CORE 42

MOTRANSFER GUARANTEED

Missouri Higher Education Core Transfer Curriculum

UPDATED February 28, 2018
Missouri Higher Education Core Curriculum Transfer Act

The Missouri Higher Education Core Transfer Curriculum is a recommended lower-division core curriculum of forty-two semester credit hours intended to facilitate student transfer among Missouri’s public institutions of higher education. All public colleges and universities have adopted the Core Transfer Curriculum, which is commonly known as CORE 42.

CORE 42 is a statewide general education course of study intended to ensure that all graduates possess a common core of college-level skills and knowledge. CORE 42 specifies the basic competencies and knowledge areas that all students completing degrees at a Missouri public institution of higher education must complete. CORE 42 is comprised of dozens of courses distributed across five knowledge areas. These courses are designated with a Missouri Transfer (MOTR) course number, which guarantees the one-to-one transfer of these courses among all Missouri public institutions of higher education.

Types of Transfer

1. Students who complete the Associate of Arts degree at a Missouri community college and transfers to a Missouri public university shall have completed all lower-division general education requirements at the receiving institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. The receiving institution cannot require the student take any additional lower-division general education courses. The student may, however, have to take additional lower-division courses to fulfill program or institutional requirements.

2. Students who complete the CORE 42 at any public institution shall be considered as having completed all lower-division general education requirements at a receiving institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. The receiving institution cannot require the student take any additional lower-division general education courses. The student may, however, have to take additional lower-division courses to fulfill program or institutional requirements.

3. Students who do not complete either the Associate of Arts or the CORE 42 shall receive credit at a receiving institution for each MOTR course completed at a sending institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the CORE 42 at the receiving institution.

CORE 42
Content, Component Areas, and Objectives

Updated February 28, 2018
General education is the curricular foundation of Missouri institutions of higher learning. It equips students with the intellectual tools, knowledge, and creative capabilities to engage in today's globally interconnected and rapidly changing world. Regardless of major, career plans, or personal goals, all Missouri graduates should excel in the essential skills of oral and written communication, critical thinking, information management and quantitative and qualitative analysis. Through general education, Missouri institutions foster student success in their specialized areas of study and toward rewarding lives as educated persons, active citizens, and effective contributors to their own prosperity and to the general welfare of the world in which they live.

The framework for Missouri’s CORE 42 is designed for students to obtain the basic competencies of Valuing, Managing Information, Communicating, and Higher-Order Thinking through the completion of at least 42-semester hours distributed across the broad Knowledge Areas of Communications, Humanities & Fine Arts, Natural & Mathematical Sciences, and Social & Behavioral Sciences. The basic competencies are achieved through completion of the CORE 42 in its entirety.

**CORE 42: Basic Competencies**

**Valuing**

Valuing is the ability to understand the moral and ethical values of a diverse society, and to understand that many courses of action are guided by value judgments about the way things ought to be. Students should recognize how values develop, how value judgments influence actions, and how informed decision-making can be improved through the consideration of personal values as well as the values of others. They should be able to make informed decisions through the identification of personal values and the values of others and through an understanding how such values develop. They should be able to analyze the ethical implications of choices made on the basis of these values.

**Managing Information**

Managing Information is ability to locate, organize, store, retrieve, evaluate, synthesize, and annotate information from print, electronic, and other sources in preparation for solving problems and making informed decisions. Through the effective management of information, students should be able to design, evaluate, and implement a strategy to answer an open-ended question or achieve a desired goal.

**Communicating**

Communicating is the development of students' ability to communicate effectively through oral, written, and digital channels using the English language, quantitative, and other symbolic systems. Students should be able to write and speak with thoughtfulness, clarity, coherence, and persuasiveness; read and listen critically; and select channels appropriate to the audience and message.

Written communication is the development and expression of ideas in writing. Written communication involves learning to work in many genres and styles. It can involve working with many different writing technologies, and mixing texts, data, and images. Written communication abilities develop through iterative experiences across the curriculum.
Oral communication is a prepared, purposeful presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners' attitudes, values, beliefs, or behaviors. Oral communication takes many forms.

**Higher Order Thinking**

Higher Order Thinking is the development of students' ability to distinguish among opinions, facts, and inferences; to identify underlying or implicit assumptions; to make informed judgments; to solve problems by applying evaluative standards; and demonstrate the ability to reflect upon and refine those problem-solving skills. This involves creative thinking, critical thinking, and quantitative literacy.

Creative thinking is both the capacity to combine or synthesize existing ideas, images, or expertise in original ways and the experience of thinking, reacting, and working in an imaginative way characterized by a high degree of innovation, divergent thinking, and risk taking. Creative thinking, as it is fostered within higher education, must be distinguished from less focused types of creativity such as, for example, the creativity exhibited by a small child's drawing, which stems not from an understanding of connections, but from an ignorance of boundaries. While demonstrating solid knowledge of the domain's parameters, the creative thinker, at the highest levels of performance, pushes beyond those boundaries in new, unique, or atypical recombinations, uncovering or critically perceiving new syntheses and using or recognizing creative risk-taking to achieve a solution.

Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion. Critical thinking is transdisciplinary, and success in all disciplines requires habits of inquiry and analysis that share common attributes. Successful critical thinkers from all disciplines increasingly need to be able to apply those habits in various and changing situations encountered in all walks of life.

Quantitative Literacy (QL) is a "habit of mind," competency, and comfort in working with numerical data. Individuals with strong QL skills possess the ability to reason and solve quantitative problems from a wide array of authentic contexts and everyday life situations. They understand and can create sophisticated arguments supported by quantitative evidence and they can clearly communicate those arguments in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate).

**Objectives: Valuing**

After completing the CORE 42, students shall demonstrate the ability to
- develop an understand the moral and ethical values of a diverse society;
- develop the ability to analyze the ethical implications of actions and decisions;
- compare and contrast historical and cultural ethical perspectives and belief systems.
- utilize cultural, behavioral, and historical knowledge to clarify and articulate a personal value system.
- recognize the ramifications of one's value decisions on self and others.
- recognize conflicts within and between value systems and recognize and analyze ethical issues as they arise in a variety of contexts.
• consider multiple perspectives, recognize biases, deal with ambiguity, and take a reasonable position.

**Objectives: Managing Information**
After completing the CORE 42, students shall demonstrate the ability to
• locate, organize, store, retrieve, evaluate, synthesize, and annotate information from print, electronic, and other sources in preparation for solving problems and making informed decisions.
• access and generate information from a variety of sources, including the most contemporary technological information services.
• evaluate information for its currency, usefulness, truthfulness, and accuracy.
• organize, store, and retrieve information efficiently.
• reorganize information for an intended purpose, such as research projects.
• present information clearly and concisely, using traditional and contemporary technologies.

**Objectives: Communicating**
After completing the CORE 42, students shall demonstrate the ability to
• analyze and evaluate their own and others' speaking and writing.
• conceive of writing as a recursive process that involves many strategies, including generating material, evaluating sources when used, drafting, revising, and editing.
• make formal written and oral presentations employing correct diction, syntax, usage, grammar, and mechanics.
• focus on a purpose (e.g., explaining, problem solving, argument) and vary approaches to writing and speaking based on that purpose.
• respond to the needs of different venues and audiences and choose words for appropriateness and effect.
• communicate effectively in groups by listening, reflecting, and responding appropriately and in context.
• use mathematical and statistical models, standard quantitative symbols, and various graphical tactics to present information with clarity, accuracy, and precision.

**Objectives: Higher Order Thinking**
After completing the CORE 42, students shall demonstrate the ability to
• recognize the problematic elements of presentations of information and argument and to formulate diagnostic questions for resolving issues and solving problems.
• use linguistic, mathematical or other symbolic approaches to describe problems, identify alternative solutions, and make reasoned choices among those solutions.
• analyze and synthesize information from a variety of sources and apply the results to resolving complex situations and problems.
• defend conclusions using relevant evidence and reasoned argument.
• reflect on and evaluate their critical-thinking processes.
## CORE 42

Complete at least 42 credit hours, distributed among the Knowledge Areas listed below

<table>
<thead>
<tr>
<th>Knowledge Areas</th>
<th>Social &amp; Behavioral Sciences</th>
<th>Written Communications</th>
<th>Oral Communications</th>
<th>Natural Sciences</th>
<th>Mathematical Sciences</th>
<th>Humanities and Fine Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9 credits minimum from at least 2 disciplines, including at least one Civics course</td>
<td>6 credit hours minimum</td>
<td>3 credit hours minimum</td>
<td>7 credit hours minimum from at least 2 disciplines, including one course with a lab component</td>
<td>3 credit hours minimum</td>
<td>9 credit hours minimum, from at least 2 disciplines</td>
</tr>
</tbody>
</table>

### Social & Behavioral Sciences
- **Anthropology**
  - MOTR ANTH 101 General Anthropology
  - MOTR ANTH 201 Cultural Anthropology
- **Economics**
  - MOTR ECON 100 Introduction to Economics
  - MOTR ECON 101 Introduction to Macroeconomics
  - MOTR ECON 102 Introduction to Microeconomics
- **Geography**
  - MOTR GEOG 101 World Regional Geography
- **History**
  - MOTR HIST 201 World History I
  - MOTR HIST 202 World History II
- **Political Science**
  - MOTR POSC 201 International Relations
  - MOTR POSC 202 Introduction to Comparative Politics
- **Psychology**
  - MOTR PSYC 100 General Psychology
  - MOTR PSYC 200 Lifespan

### Written Communications
- MOTR ENGL 100 Composition I
- MOTR ENGL 200 Composition II
- MOTR ENGL 110 Technical Writing
- MOTR COMM 100 Introduction to Communications
- MOTR COMM 110 Fundamentals of Public Speaking
- MOTR COMM 120 Interpersonal Communication
- MOTR COMM 125 Small Group Communication
- MOTR COMM 220 Argumentation & Debate

### Oral Communications
- MOTR COMM 100 Introduction to Communications
- MOTR COMM 110 Fundamentals of Public Speaking
- MOTR COMM 120 Interpersonal Communication
- MOTR COMM 125 Small Group Communication
- MOTR COMM 220 Argumentation & Debate

### Natural Sciences
- **Astronomy**
  - MOTR ASTR 100 Astronomy
  - MOTR ASTR 100L Astronomy with Lab
- **Biology**
  - MOTR BIOL 100 Essentials in Biology
  - MOTR BIOL 100L Essentials in Biology Lab
  - MOTR BIOL 150 Biology
  - MOTR BIOL 150L Biology with Lab
- **Chemistry**
  - MOTR CHEM 100 Essentials in Chemistry
  - MOTR CHEM 100L Essentials in Chemistry with Lab
  - MOTR CHEM 150 Chemistry I
  - MOTR CHEM 150L Chemistry I with Lab
- **Geography**
  - MOTR GEOG 100 Physical Geography
  - MOTR GEOG 100L Physical Geography with Lab
- **Geology**
  - MOTR GEOL 100 Geology
  - MOTR GEOL 100L Geology with Lab
- **Life Sciences**
  - MOTR LIFS 100 Essentials in Human Biology
  - MOTR LIFS 100L Essentials in Human Biology with Lab
  - MOTR LIFS 150 Human Biology
  - MOTR LIFS 150L Human Biology with Lab

### Mathematical Sciences
- MOTR MATH 110 Statistical Reasoning
- MOTR MATH 120 Mathematical Reasoning & Modeling
- MOTR MATH 130 Pre-Calculus
- MOTR MATH 150 Pre-Calculus

*Courses that use one of the pathway courses as a prerequisite will meet the general education credit for math. For example, Calculus meets the General Education math requirement since Pre-Calculus Algebra is a prerequisite.*

### Humanities and Fine Arts
- **Art**
  - MOTR ARTS 100 Art Appreciation
  - MOTR ARTS 101 Art History I
  - MOTR ARTS 102 Art History II
- **Civilization**
  - MOTR WCIV 101 Western Civilization I
  - MOTR WCIV 102 Western Civilization II
- **Creative Writing**
  - MOTR CRWT 100 Creative Writing (F-Fiction; P-Poetry; NF-Nonfiction; D-Dramatic script)
- **Film**
  - MOTR FILM 100 Introduction to Film Studies
- **Foreign Language**
  - MOTR LANG 101 French I
  - MOTR LANG 102 French II
  - MOTR LANG 103 Spanish I
  - MOTR LANG 104 Spanish II
  - MOTR LANG 105 Foreign Language I
  - MOTR LANG 106 Foreign Language II
- **Literature**
  - MOTR LITR 100 Introduction to Literature (F-Fiction; P-Poetry; D-Drama)
  - MOTR LITR 101 American Literature I
  - MOTR LITR 102 American Literature II
  - MOTR LITR 103 British Literature I
  - MOTR LITR 104 British Literature II
  - MOTR LITR 105 Multicultural Literature (AA-African-American; NA-Native American; L-Latino/Latina)
  - MOTR LITR 106 Women’s Literature

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| Human Development | Sociology | Motr Soci 101 General Sociology | Physical Sciences | Motr Phys 110 Essentials in Physical Sciences | Motr Phys 110l Essentials in Physical Sciences with Lab | Motr Phys 100 Essentials in Physics | Motr Phys 100l Essentials in Physics with Lab | Motr Phys 150 Physics I | Motr Phys 150l Physics I with Lab | Motr Phys 200l Advanced Physics I with Lab | Music | Motr Msc 100 Music Appreciation (G-General; Rp-Rock/Pop; J-Jazz) | Motr Msc 101 Music Fundamentals | Motr Msc 102 World Music | Motr Msc 103 Music History I | Motr Msc 104 Music History II | Performance (Choose Only One Course from This Group) | Motr Perf 100 Acting I (A-Acting I; Vd-Voice/Diction; Tt-Theatre Techniques; Sm-Stage Movement; Sc-Stage Combat) | Motr Perf 101 Directing I (D-Directing I; S-Stage Management) | Motr Perf 102 Music Performance (C-Choir; B-Band; O-Orchestra) | Motr Perf 103 Script Analysis (Sa-Script Analysis; P-Playwriting) | Motr Perf 104 Stagecraft (S-Stagecraft; Bd-Scenic Design; C-Costuming; T-Theatre Drafting; M-Stage Makeup) | Motr Perf 105 Studio Art (D-Drawing; P-Painting; Ga-Graphics Arts; S-Sculpture; C-Ceramics; M-Multimedia) | Philosophy | Motr Phil 100 Introduction to Philosophy | Motr Phil 101 Introduction to Logic | Motr Phil 102 Introduction to Ethics | Religion | Motr Relg 100 World Religion | Theatre | Motr Thea 100a Theatre Appreciation | Motr Thea 100b Children’s Theatre | Motr Thea 100c History of the Musical | Motr Thea 104 Theatre History I | Motr Thea 105 Theatre History II | Motr Thea 106 World Drama |
# CORE 42 Course Inventory

## Social & Behavioral Sciences and Civics

- General Anthropology
- Cultural Anthropology
- Introduction to Economics
- Introduction to Macroeconomics
- Introduction to Microeconomics
- World Regional Geography
- World History I
- World History II
- International Relations
- Comparative Politics
- General Psychology
- Lifespan Human Development
- General Sociology
- American History I (civics)
- American History II (civics)
- American Government (civics)

## Written Communications and Oral Communications

- Composition I
- Composition II
- Technical Writing
- Fundamentals of Public Speaking
- Introduction to Communications
- Interpersonal Communication
- Small Group Communication
- Argumentation & Debate

## Natural Sciences

- Astronomy
- Essentials in Biology
- Biology
- Essentials in Chemistry
- Chemistry I
- Physical Geography
- Geology
- Essentials in Human Biology
- Human Biology
- Essentials in Physical Sciences
- Essentials in Physics
- Physics I
- Astronomy with Lab
- Essentials in Biology with Lab
- Biology with Lab
- Essentials in Chemistry with Lab
- Chemistry I with Lab
- Physical Geography with Lab
- Geology with Lab
- Essentials in Human Biology with Lab
- Human Biology with Lab
- Essentials in Physical Sciences with Lab
- Essentials in Physics with Lab
- Physics I with Lab
- Advanced Physics I with Lab

## Mathematical Sciences

- Pre-Calculus Algebra
- Mathematical Reasoning & Modeling
- Statistical Reasoning
- Pre-Calculus
- Pre-Calculus Algebra
- Mathematical Reasoning & Modeling
- Statistical Reasoning
- Pre-Calculus

## Humanities & Fine Arts

- Art Appreciation
- Art History I
- Art History II
- Western Civilization I
- Western Civilization II
- Creative Writing (Fiction, Poetry, Nonfiction, Dramatic Script)
- Introduction to Film Studies
- French I
- French II
- Spanish I
- Spanish II
- Foreign Language I
- Foreign Language II
- Music Appreciation (General, Rock/Pop, Jazz)
- Music Fundamentals
- World Music
- Music History I
- Music History II
- Acting I (Acting, Voice/Diction, Theatre Techniques, Stage Movement, Stage Combat)
- Directing I (Directing, Stage Management)
- Music Performance (Choir, Band, Orchestra)
- Script Analysis (Script Analysis, Playwriting)
- Stagecraft (Stagecraft, Scenic Design, Costuming, Theatre Drafting, Stage Makeup)
- Studio Art (Drawing, Painting, Graphic Arts, Sculpture, Ceramics, Multimedia)
| Introduction to Literature (Fiction, Poetry, Drama) |
| American Literature I |
| American Literature II |
| British Literature I |
| British Literature II |
| Multicultural Literature (African-American, Native-American, Latino/Latina) |
| Women’s Literature |
| World Literature I |
| World Literature II |
| Introduction to Philosophy |
| Introduction to Logic |
| Introduction to Ethics |
| World Religion |
| Theatre Appreciation |
| Children’s Theatre |
| History of the Musical |
| Theatre History I |
| Theatre History II |
| World Drama |
Missouri Higher Education Core Transfer Curriculum

Social & Behavioral Sciences Knowledge Area

Social & Behavioral Sciences: Objectives

State-level Goal
To develop students' understanding of themselves and the world around them through study of content and the processes used by historians and social and behavioral scientists to discover, describe, explain, and predict human behavior and social systems. Students acquire an understanding of the diversities and complexities of the cultural and social world, past and present, and come to an informed sense of self and others. As a part of this goal, institutions of higher education include a course of instruction in the Constitution of the United States and of the state of Missouri and in American history and institutions (Missouri Revised Statute 170.011.1).

Suggested Competencies
Students will demonstrate the ability to . . .
- explain social institutions, structures, and processes across a range of historical periods and cultures.
- develop and communicate hypothetical explanations for individual human behavior within the large-scale historical and social context.
- draw on history and the social sciences to evaluate contemporary problems.
- describe and analytically compare social, cultural, and historical settings and processes other than one's own.
- articulate the interconnectedness of people and places around the globe.
- describe and explain the constitutions of the United States and Missouri.

Social & Behavioral Sciences: Courses
MOTR Social & Behavioral Science Core Curriculum courses are lower-division introductory survey courses in a major Social & Behavioral
Sciences discipline or interdisciplinary field that meets the learning objectives of the Social & Behavioral Science Higher Education Transfer Core Curriculum. NOTE that these courses generally do not require another SCBS course as a prerequisite but may require minimal scores on placement or entrance requirement tests and/or coursework related to reading and writing skills.

Social & Behavioral Sciences involve the scientific inquiry and historical analysis of human behavior and the factors that affect it. Social Science Disciplines traditionally include Psychology, Sociology, Anthropology, Economics, Political Science & Civics, History, Geography (study of populations, cartographic or mapping methods, and cultural geography versus physical geography which is a physical science discipline) and related sub-fields.

Any course with a MOTR designation from the Social & Behavioral Sciences transfers as both fulfilling the Social & Behavioral Science core knowledge requirement of the Missouri Higher Education Transfer Core Curriculum AND any specific course required for a degree program or prerequisites, or both, at the receiving institution.

<table>
<thead>
<tr>
<th>MOTR Number</th>
<th>MOTR Title</th>
<th>Transfer Credits</th>
<th>Equivalent Courses</th>
<th>MOTR COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR ANTH 101</td>
<td>General Anthropology</td>
<td>3</td>
<td></td>
<td>Introductory survey of anthropology to include the subfields of physical/biological, ethnology/cultural, linguistic and archaeological/material.</td>
</tr>
<tr>
<td>MOTR ANTH 201</td>
<td>Cultural Anthropology</td>
<td>3</td>
<td></td>
<td>Introductory survey of cultural anthropology with a focus on the diversity and complexity of human cultures through the study of marriages and family, economics, politics, religion and language systems.</td>
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<tr>
<td>MOTR ECON 100</td>
<td>Introduction to Economics</td>
<td>3</td>
<td></td>
<td>Introductory survey of economics that introduces non-business and non-economics majors to the basic concepts of economics. Concepts covered include incentives, scarcity, opportunity cost, marginalism, gains from trade, demand, supply, the pricing mechanism, and secondary effects. Potential sources of growth, including property rights, the competitive process, and allocation of capital, monetary stability, low taxes, and international trade are examined. Both market failure and government failure are explained and analyzed. Applying the tools of economics to topics in personal finance such as choosing a career, entrepreneurship, budgeting, saving, investing, credit, insurance, and tax considerations are also examined.</td>
</tr>
<tr>
<td>MOTR ECON 101</td>
<td>Introduction to Macroeconomics</td>
<td>3</td>
<td></td>
<td>Introductory survey of economic principles relating to the</td>
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</tbody>
</table>
## MOTR ECON 102
**Introduction to Microeconomics**
3

Introductory survey of economic principles relating to individuals, firms and markets. Major topics include:

- supply and demand, the price system, consumer behavior, production and cost, and market structures.
- Market failure, and the role of government are examined as well as issue in International Trade and Finance.

## MOTR SOCI 101
**General Sociology**
3

Introductory survey of the scientific study of human society to include critical and empirical analysis of human interactions and cultures within groups and social organizations.

## MOTR PSYC 100
**General Psychology**
3

Introductory survey of the scientific study of individual behavior and the application of psychological science. Students develop:

- the foundational knowledge base of psychology to include the major concepts, theoretical perspectives, historical trends, and empirical findings within the domains of psychology: cognitive (e.g., cognition, memory, perception, intelligence), developmental (e.g., learning, life span development, language), biological (e.g., neuroscience, sensation, consciousness), social and personality (e.g., social, personality, emotion, multicultural, gender, motivation), and mental and physical wellness (e.g., abnormal, health, psychotherapy);
- basic skills and concepts in critically interpreting behavior, studying psychological scientific research, and applying psychological scientific research methodology and design principles to draw conclusions about behavior;
- develop ethical and social responsibility in a diverse
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MOTR PSYC 200</td>
<td>Life Span Human Development</td>
<td>3</td>
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</table>

Survey course that introduces the scientific study of the interacting biological, psychological, and social/environmental factors that influence physical, cognitive, and socioemotional human development across the life span. Students develop:

- the foundational knowledge base of developmental psychology to include major theories and scientific research supported principles of how biological factors (e.g., genetics/heredity, anatomy, physiology, sex, maturation, aging, physical wellness), psychological factors (e.g., behavioral, cognitive, emotional, personality, gender identity, psychological wellness), and social/environmental factors (e.g., relationships, socio-historical and sociohistorical contexts, material environment) interact and influence human physical, cognitive, socioemotional development across the life span (prior to conception through birth and childhood to adulthood and end of life)

- basic skills and concepts in critically interpreting human development, studying developmental psychological scientific research, and applying developmental psychological scientific research methodology and design principles to draw conclusions about human development

- develop ethical social responsibility in a diverse world through study of formal regulations that govern professional ethics in developmental psychology and exploration of values that contribute to positive outcomes in a diverse multicultural and global society

- develop competence in communication through writing cogent scientific arguments, presenting information using a scientific approach, discussion of psychological concepts, explanation of the ideas of others, and expression of own ideas;

- apply psychological science to self to develop work habits and ethics for academic, professional, and personal success
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
</table>
| MOTR GEOG 101   | World Regional Geography       | 3       | Introductory survey of the study of the interacting relationship between human populations and their environment to include physical features of the Earth and cultural characteristics, key issues, and problems in regions of the world. Includes discussion of natural systems, globalization, economic development, ethnic diversity and geopolitical conflicts and human impacts upon the environment. Upon completion of the course, the student should be able to:
<p>|                 |                                |         | • Define the basic geographic theories, research, and terminology.                                                                                     |
|                 |                                |         | • Use maps and spatial data to interpret geographic phenomena and information from a variety of geographic maps and graphs.                          |
|                 |                                |         | • Define and evaluate the realms and regions of the world and describe the process of regionalization. This includes the realms of Europe, Russia, North America, Middle America, South America, North Africa and Southwest Asia, South Asia, East Asia, Southeast Asia, Australia and New Zealand, and the Pacific. |
|                 |                                |         | • Explain and evaluate the human-environment interaction.                                                                                             |
|                 |                                |         | • Describe and explain global interconnectedness.                                                                                                     |
| MOTR POSC 201   | International Relations        | 3       | Introductory survey of contemporary international relations between nation-states and non-state actors including international organizations, corporations, terrorists, and other non-governmental actors with analysis of factors that influence cooperation and conflict, including politics, power, economics, trade, resources, military/arms, human rights, and environmental issues. |</p>
<table>
<thead>
<tr>
<th>MOTR POSC 202</th>
<th>Introduction to Comparative Politics</th>
<th>3</th>
<th>Introductory survey and comparison of different systems of governance, political structures, and institutions, and political cultures.</th>
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</thead>
<tbody>
<tr>
<td>MOTR POSC 101</td>
<td>American Government (CIVICS)</td>
<td>3</td>
<td>Introductory survey of American and Missouri government constitutions, institutions, politics, and processes. Students develop an understanding of the foundations and environment of the American political system by examining the principles of democracy and political ideology and thought upon which the US and State of Missouri is based, outline the government's institutions, describe and evaluate the key concepts about voting, political parties, campaigns, and other forms of political participation, understand the interactions between the branches of government, the citizens, and how those interactions create domestic and foreign policy. Students develop:</td>
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<tr>
<td></td>
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<td>- an understanding of the foundations and environment of the American political system by examining the principles of democracy and political ideology and thought upon which the US and State of Missouri is based,</td>
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<td>- describe and evaluate the key concepts about voting, political parties, campaigns, and other forms of political participation,</td>
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<td></td>
<td></td>
<td></td>
<td>- understand the interactions between the branches of government, the citizens, and how those interactions create domestic and foreign policy.</td>
</tr>
<tr>
<td>MOTR HIST 101</td>
<td>American History I (CIVICS)</td>
<td>3</td>
<td>Introductory survey of the early history of the United States from the period of discovery of America by Europe to 1877. Students should be able to:</td>
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<td>- Understand significant trends, movements, and events in American history.</td>
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<td>- Identify and interpret primary and secondary sources, placing them in the context of their time and place and assessing them for reliability and point of view.</td>
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<tr>
<td></td>
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<td>- Formulate historical arguments based on specific</td>
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<tr>
<td>Motr HIST 102</td>
<td>American History II (CIVICS)</td>
<td>3</td>
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<tr>
<td>MOTR HIST 201</td>
<td>World History I</td>
<td>3</td>
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<tr>
<td>MOTR HIST 202</td>
<td>World History II</td>
<td>3</td>
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</tbody>
</table>

Introductory survey of United States history from 1877 to the present. Students should be able to:
- Understand significant trends, movements, and events in American history.
- Identify and interpret primary and secondary sources, placing them in the context of their time and place and assessing them for reliability and point of view.
- Formulate historical arguments based on specific evidence from the sources.
- Demonstrate an understanding of historical chronology and respect the distinctive integrity of the past.
- Appreciate the multiple political, social, economic, and cultural dimensions of the human experience.
- Use historical analysis to evaluate cause and effect, comparisons and contrasts, and patterns of continuity and change over time.

This course meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.

Introductory survey of World Civilization from ancient times to the Renaissance/Reformation era examines the social, political, religious, and economic institutions and traditions of pre-industrial civilizations. The emphasis of this course is the development of civilizations prior to the Industrial Revolution.

Introductory survey of World Civilization since the Renaissance/Reformation era examines the social, political, religious, and economic institutions and traditions of industrial civilizations. The emphasis of this course is post-Industrial
### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>INTRODUCTION TO MACROECONOMICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR ECON 101</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>SOCIAL &amp; BEHAVIORAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
</tbody>
</table>
| MOTR COURSE DESCRIPTION | Introductory survey of economic principles relating to the economy as a whole. Major topics include:
- supply and demand, national income determination, inflation, unemployment, fiscal and monetary policy.
- public affairs issues relating to the role of government in a market economy are considered within a framework of economic theory.
- role of international trade and finance in national macroeconomic policy is also introduced. |

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Macro Economics</td>
<td>ECON 0204</td>
<td>3</td>
<td>This course covers topics in economic growth, income determination, aggregate demand and supply, employment and output, monetary and fiscal policies and related topics. Prerequisite: ECON 0203</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Macro Economics</td>
<td>ECO 201</td>
<td>3</td>
<td>Measuring and explaining overall economic performance, money, interest rates, fiscal policy and monetary policy as an analytical core. The application of this core to a variety of current economic problems such as inflation and unemployment. Prerequisite: Sophomore standing</td>
</tr>
<tr>
<td>University</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
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<tr>
<td>Missouri Southern State University</td>
<td>Principles of Economics (Macro</td>
<td>ECON 0201</td>
<td>3</td>
<td>A basic course that explains the organization, operation, and goals of the U.S. economic system with emphasis on basic principles and concepts; measurement, determination, and stabilization of national income; unemployment and inflation; the role of money and monetary policy; fiscal policy; economic growth; international finance; and current economic problems. Co-requisite: MATH 030 or above.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Principles of Macro Economics</td>
<td>ECO 155</td>
<td>3</td>
<td>This course prepares the student to understand the economic structure of the United States and its place in the world economy, to interpret common economic measures, to understand the processes of governmental fiscal and monetary policies, and to evaluate individual decision-making from an economic perspective.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Tech.</td>
<td>Principles of Macro Economics</td>
<td>ECON 1200</td>
<td>3</td>
<td>A study of alternative strategies for managing the U.S. economy within a global environment, to attain the goals of full employment, stability and growth.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Principles of Macro Economics</td>
<td>ECO 260</td>
<td>3</td>
<td>Introduction to basic principles of economics with emphasis on the analysis of unemployment, GDP, inflation, and public debt; discusses fiscal and monetary theories and public policies.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Principles of Macroeconomics</td>
<td>ECON 52150</td>
<td>3</td>
<td>An introduction to the fundamental principles of macroeconomic analysis. The basic principles relating to aggregate supply and demand; the determination of national income, employment and price level; money and banking; monetary and fiscal policies; and alternative economic systems are studied.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Principles of Macro Economics</td>
<td>EC 225</td>
<td>3</td>
<td>Economic concepts, institutions, theories and policies including study of national income, inflation, unemployment, banking system, money, growth and international economics. Prerequisites: EC 215 or AG 245.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Principles of Macro Economics</td>
<td>EC 200</td>
<td>3</td>
<td>This course is an introduction to terms, tools, and concepts that are basic to macroeconomic analysis. Specifically, it models the determination of an economy’s aggregate income, output, employment, prices, and interest rates. It further examines how fiscal and monetary policies work and how they may be used to reach socially desirable outcomes. Students who need to take both Principles of Microeconomics and Principles of Macroeconomics may fill the requirement either by taking ECON 200 &amp; ECON 201 - Principles of Microeconomics, or ECON 205 - Principles of Economics. Students may not get credit for both ECON 200 and ECON 205 - Principles of Economics or ECON 201 - Principles of Microeconomics and ECON 205 - Principles of Economics.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Principles of Macroeconomics</td>
<td>ECON 1010</td>
<td>3</td>
<td>An introduction to principles underlying the operation of modern industrial countries. Special attention is given to the determinants of income and employment.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Principles of Macroeconomics</td>
<td>ECONOM</td>
<td>3</td>
<td>Macroeconomics generally refers to a collection of questions about how</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>Introduction to Economics I</td>
<td>ECON 201</td>
<td>3</td>
<td>Economics I deals primarily with macroeconomic or national economic concepts, the economics of the determination of recession, inflation, maintenance of full employment and economic growth, with an emphasis upon the economics of modern Keynesian analyses. It further introduces the economics of Marx and Ayres and discusses relevant and current economic issues. ECON 201 and ECON 202 are prerequisites for most other economics courses.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Principles of Macro Economics</td>
<td>ECON 1002</td>
<td>3</td>
<td>Introduction to the determination of levels of and changes in aggregate income, output, employment and prices. Applies economic principles of choice to the formulation and achievement of public policies that affect national employment, income distribution, and economic growth. Prerequisite: MATH 1030 and ECON 1001.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Principles of Macro Economics I</td>
<td>ECON 201</td>
<td>3</td>
<td>This basic course in aggregate economics emphasizes national income theory, fiscal policy, money and monetary policy, business cycles and economic growth. Students successfully completing this course partially fulfill Social &amp; Behavioral Science general education requirements. Prerequisite: Reading at least at Reading Level 1; MATH 100 or higher is recommended.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Macro Economics</td>
<td>EC 2103</td>
<td>3</td>
<td>An introduction to the total level of economic activity—the rate of production and income. Topics include inflation, unemployment, government spending and fiscal policy, incomes policy, the banking system and monetary policy, and international economics.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Macro Economics</td>
<td>ECO 101</td>
<td>3</td>
<td>Macroeconomics explains the organization and goals of the U.S. economic system and how it operates. Macroeconomics is required of students who wish to transfer to a four-year school, majoring in any field of business, leading to a bachelor’s degree. Prerequisite: Reading proficiency</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Macroeconomics</td>
<td>ECON 210</td>
<td>3</td>
<td>A basic examination of the principles of economics that apply to the economic system in the aggregate. Topics include opportunity costs, gains from trade, demand and supply, determination of aggregate output, employment, inflation, and exchange rates, and the role of fiscal and monetary policy in the U.S. and world economy. Prerequisite: MATH 40 or MATH 40L or appropriate placement test score.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Principles of Macroeconomics</td>
<td>BUS 2930</td>
<td>3</td>
<td>Primarily a study of the U.S. economic system. Topics include economic growth, macroeconomic measurements, trade, government fiscal</td>
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<tr>
<td>College</td>
<td>Course Title</td>
<td>Course Code</td>
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<tr>
<td>Missouri State University-West Plains</td>
<td>Principles of Macro Economics</td>
<td>ECO 155</td>
<td>3</td>
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<tr>
<td>Moberly Area Community College</td>
<td>Macroeconomics</td>
<td>ECN 101</td>
<td>3</td>
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<tr>
<td>North Central Missouri College</td>
<td>Principles of Macro Economics</td>
<td>EC 253</td>
<td>3</td>
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<tr>
<td>Ozarks Technical Comm. College</td>
<td>Principles of Macroeconomics</td>
<td>ECO 270</td>
<td>3</td>
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<tr>
<td>St. Charles Community College</td>
<td>Macro Economics</td>
<td>ECO 110</td>
<td>3</td>
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<tr>
<td>St. Louis Community College</td>
<td>Principles of Macro Economics</td>
<td>ECO 151</td>
<td>3</td>
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<tr>
<td>State Fair Community College</td>
<td>Principles of Macroeconomics</td>
<td>ECON 101</td>
<td>3</td>
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</table>

This course prepares the student to understand the economic structure of the United States and its place in the world economy, to interpret common economic measures, to understand the processes of governmental fiscal and monetary policies, and to evaluate individual decision-making from an economic perspective.

This course includes a study of basic concepts relating to supply, demand, business organization, income, taxation, money and banking, consumption, and savings and investment. This course applies these concepts and their interrelationships to such problems as the general level of economic activity, employment and unemployment, inflation and monetary and fiscal policies, and economic growth and development.

An introduction to basic macroeconomic fundamentals with emphasis on growth, business cycles, unemployment and inflation, Gross Domestic Product, macroeconomic models, monetary and fiscal policy and international effects of domestic policy.

This course provides an introduction to the origin and derivation of economic systems. This course includes a look at the structure, organization, operation, and the goals of the United States economic system. A study in basic economic principles, including the role of the government in conducting economic policies (spending and taxes), the role of the Federal Reserve in managing the supply of money, and the role of others (including households and businesses) in determining economic outcomes is included. This course prepares students for further study in economics.

Introduction to determination of aggregate measures of economic activity, price level, employment and national output. Topics include inflation, unemployment and economic growth; money and banking system; and formulation of fiscal and monetary policies in pursuit of economic stabilization.

This course presents an introductory description and analysis of economics from a national perspective. Included are the basic concepts relating to the demand and supply model, macroeconomic data, trends and fluctuations in macroeconomic variables, simple models of the macroeconomy, fiscal and monetary policy, and economic growth.

Examines the economy as a whole with an emphasis on how scarcity policy, money and monetary policy. Prerequisite: Must have met one of the following: a minimum score of 18 on the ACT reading or eligible placement test score, or a minimum grade of C in RDG0900, ENG0990, or ENG0090, or concurrent enrollment in RDG0900, or have earned 24 college-level semester credit hours.
This course is an introduction to the concepts and theories applicable to a national economy with a major focus on scarcity and how it impacts the welfare of a nation. Topics include gross domestic product (GDP), government spending and taxes, economic growth, unemployment and inflation, exchange rates, and monetary and fiscal policy.

A study of the aggregate or total economy on a national scale. Topics include supply and demand, and contemporary socio-economic issues in the U. S.
<table>
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<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Missouri Southern State University</td>
<td>Principles of Econ (Micro)</td>
<td>ECON 0202</td>
<td>3</td>
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<tr>
<td>Missouri State University</td>
<td>Principles of Microeconomics</td>
<td>ECO 165</td>
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<tr>
<td>Missouri University of Science &amp; Tech.</td>
<td>Principles of Microeconomics</td>
<td>ECON 1100</td>
<td>3</td>
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<tr>
<td>Missouri Western State University</td>
<td>Principles of Microeconomics</td>
<td>ECO 261</td>
<td>3</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>Principles of Microeconomics</td>
<td>ECON 52151</td>
<td>3</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>Introductory Agricultural Economics</td>
<td>AGRI 03-102</td>
<td>3</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Principles of Microeconomics</td>
<td>ECON 121 (NOW EC 215)</td>
<td>3</td>
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<tr>
<td>Truman State University</td>
<td>Principles of Microeconomics</td>
<td>EC 215</td>
<td>3</td>
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<tr>
<td>University of Central Missouri</td>
<td>Principles of Microeconomics</td>
<td>ECON 1011</td>
<td>3</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Principles of Microeconomics</td>
<td>ECONOM 1014</td>
<td>3</td>
</tr>
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</table>

A continuation of economic principles with emphasis on the theory of price determination and income distribution, with particular attention to the nature and application of those bearing on decision making within a household, firm, or industry; cost and revenue implications of various product and factor market structures; and international trade and finance. Co-requisite: MATH 030 or above.

Basic principles of economics with a particular emphasis on the nature and application of those bearing on decision making within a household, firm or industry; including consideration of problems respecting the composition and pricing of the national output, distribution of income, pricing and output of factors of production and foreign trade.

An examination of how resources and products are priced and how income is distributed within various types of market structures.

Introduction to economic fundamentals with emphasis on supply and demand analysis, factor markets, different market structures, international economics, and various economic problems.

An introduction to the fundamental principles of microeconomic analysis. The basic principles relating to the decision-making by the individual household and the individual firm under different market structures, the allocation of society's resources and international trade and balance of payments are studied.

Principles of production, supply and demand are applied to economic problems of agriculture and agriculturally related industries. Emphasis is placed on understanding theoretical underpinnings of decision analysis within the biological, institutional and structural parameters of the agricultural sector.

U.S. market economic system. Demand, supply, competition, pricing, resource allocation concepts applied to issues in business, labor, and public policy. Prerequisites: AD 101 or EP 100; MA 134 or equivalent.

This course is an introduction to terms, tools, and concepts that are basic to microeconomic analysis. Specifically, it includes supply and demand analysis, consumption theories, as well as production and cost theories, externalities and international trade. It further examines firm behavior under alternative market structures in both the goods and services markets as well as the factor markets.

An introduction to the functioning of a market economy. Emphasis is on behavior of consumers and business firms and the resulting allocation of resources and distribution of income.

A basic examination of the economy at the individual consumer, firm and market level. Simple economic models used to analyze the workings of the economy. Topics include opportunity costs, gains from trade, efficiency and markets, non-competitive markets, game theory, the importance of free trade, the markets response to economic shocks and the effect of government intervention. Not open to students who have completed ECONOM 1024, ECONOM 1051, or AG_EC.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Introduction to Economics II</td>
<td>ECON 202</td>
<td>3</td>
<td>Economics II deals primarily with microeconomics, firm analysis, the principles of demand, supply, elasticity, price determination, costs, income distribution, market structures, trade, and other related social, economic issues. ECON 201 and ECON 202 are prerequisites for most other economics courses.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Principles of Microeconomics</td>
<td>ECON 1001</td>
<td>3</td>
<td>Prerequisite: MATH 1030. Introduction to the determinants of household demand, production and cost, and market prices. Applies the principles of individual decision-making behavior to understanding goods, services and resource markets.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Principles of Microeconomics II</td>
<td>ECON 202</td>
<td>3</td>
<td>A continuation of Economics 201, this course emphasizes price, theory, competition models, wage, rent, and profit determination, international trade and balance of payments theory, and special international problems. Students successfully completing this course partially fulfill Social &amp; Behavioral Science general education requirements. (Prerequisite: Reading at least at Reading Level 1. MATH 100 or higher is recommended. Note: ECON 201 is not a prerequisite for ECON 202)</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Principles of Agriculture Economics</td>
<td>AGEC 123</td>
<td>3</td>
<td>This course is an introduction to fundamental principles of microeconomics with emphasis on application to agriculture; adjustment to forces by consumers, farmers and businessmen planning, producing, marketing, and consuming products.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Microeconomics</td>
<td>EC 2203</td>
<td>3</td>
<td>An introduction to how prices are determined. Topics include how prices are set in markets of varying degrees of competition; how income is determined: wages and salaries, rent, interest, and profits; unions; environmental problems; wealth and poverty in the United States of America; and non-market economic systems.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Microeconomics</td>
<td>ECO 102</td>
<td>3</td>
<td>Prerequisite: Reading proficiency Microeconomics is a study of economics from the individual producer’s and consumer’s standpoint. Microeconomics is required of students who wish to transfer to a four-year school, majoring in any field of business, leading to a bachelor’s degree.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Microeconomics</td>
<td>ECON 211</td>
<td>3</td>
<td>Prerequisite: MATH 40 or MATH 40L or appropriate placement test score. A basic examination of the microeconomic behavior of individual consumers, firms, and markets in the domestic and world economy. Topics include opportunity costs, gains from trade, demand and supply, production, market structures, and externalities and public goods.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Principles of Microeconomics</td>
<td>BUS 2940</td>
<td>3</td>
<td>Principles of Microeconomics This course consists of analysis of the individual consumer, firm and market. The principles of demand and supply, elasticity, price determination, costs, market structure and other related economic issues are studied.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Principles of Microeconomics</td>
<td>ECO 165</td>
<td>3</td>
<td>Basic principles of economics with a particular emphasis on the nature and application of those bearing on decision making within a household, firm or industry; including consideration of problems respecting the composition and pricing of the national output, distribution of income, pricing and output of factors</td>
</tr>
<tr>
<td>College</td>
<td>Course Title</td>
<td>Code</td>
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<tr>
<td>Moberly Area Community College</td>
<td>Microeconomics</td>
<td>ECN 102</td>
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<tr>
<td>North Central Missouri College</td>
<td>Principles of Microeconomics</td>
<td>EC 252</td>
<td>3</td>
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</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>Principles of Microeconomics</td>
<td>ECO 275</td>
<td>3</td>
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<tr>
<td>St. Charles Community College</td>
<td>Microeconomics</td>
<td>ECO 120</td>
<td>3</td>
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<tr>
<td>St. Louis Community College</td>
<td>Principles of Microeconomics</td>
<td>ECO 152</td>
<td>3</td>
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</tr>
<tr>
<td>State Fair Community College</td>
<td>Principles of Microeconomics</td>
<td>ECON 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Principles of Microeconomics</td>
<td>BUS 172</td>
<td>3</td>
<td></td>
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<tr>
<td>Three Rivers College</td>
<td>Principles of Microeconomics</td>
<td>ECON 212</td>
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</table>

ECN 102 is a description and analysis of the behavior of households and business firms in the economy. The course includes the analysis of supply and demand, price and output determination in competitive and noncompetitive markets, cost of production of goods and services, resource markets, economic institutions, and international trade. A suggested course sequence: ECN 101 prior to ECN 102.

An introduction to basic microeconomic fundamentals with emphasis on economic reasoning, supply and demand analysis, market structure, globalization and trade, government intervention in markets, economics and government policy and income distribution.

This course is an introduction to microeconomic analysis. It is an in-depth look at the behavior of the individual and businesses as it relates to the determination of the price structure, distribution of income, and trade. This course is an examination of the participants and structures of the marketplace. Prerequisite(s): ECO 270.

Introduction to determination of prices in product and factor markets. Topics include individual decision-making behavior of households and firms; interactions in markets of varying degrees of competition; and effects of such markets on allocation of scarce resources and distribution of income.

This introductory microeconomics course develops tools and models to explore the behavior of individuals and firms. The course develops the demand and supply model to examine outcomes in both output and input markets explores market failures, compares behaviors in competitive and noncompetitive markets, examines the economic concept of cost, and uses comparative advantage to explain both local and international trade.

Examines the price system and resource allocation, markets and efficiency, production costs, wage determination, and the role of government in regulating and supplementing the pricing system. Special problems such as agriculture and health care may be introduced, time permitting.

This course is an introduction to specific economic units, individual markets, and individual interactions within an economy. Topics include gains from trade, opportunity cost, efficiency and markets, non-competitive markets, game theory, free trade, the response of the market to economic shock, and government intervention. Simple economic models will be used to analyze the workings of the economy.

A study of the economizing process in an individual firm or industry. Topics include price and wage determination, costs-output relationships, and various theories regarding competition within an industry.
**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>GENERAL PSYCHOLOGY</th>
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</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR PSYC 100</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>SOCIAL &amp; BEHAVIORAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
</tbody>
</table>

**MOTR COURSE DESCRIPTION**

Introductory survey of the scientific study of individual behavior and the application of psychological science.

Students develop:

- the foundational knowledge base of psychology to include the major concepts, theoretical perspectives, historical trends, and empirical findings within the domains of psychology: cognitive (e.g., cognition, memory, perception, intelligence), developmental (e.g., learning, life span development, language), biological (e.g., neuroscience, sensation, consciousness), social and personality (e.g., social, personality, emotion, multicultural, gender, motivation), and mental and physical wellness (e.g., abnormal, health, psychotherapy);

- basic skills and concepts in critically interpreting behavior, studying psychological scientific research, and applying psychological scientific research methodology and design principles to draw conclusions about behavior;

- develop ethical and social responsibility in a diverse world through study of formal regulations that govern professional ethics in psychology and exploration of values that contribute to positive outcomes in a diverse multicultural and global society;

- develop competence in communication through writing cogent scientific arguments, presenting information using a scientific approach, discussion of psychological concepts, explanation of the ideas of others, and expression of own ideas;

- apply psychological science to self to develop work habits and ethics for academic, professional, and personal success.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>General Psychology</td>
<td>PSY 0100</td>
<td>3</td>
<td>This is an introductory survey of the basic concepts, principles and</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
methods in the scientific study of behavior. Some appropriate application to one’s personal growth and development will be provided.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lincoln University</td>
<td>General Psychology</td>
<td>PSY 101</td>
<td>3</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>General Psychology</td>
<td>PSY 0100</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introductory Psychology</td>
<td>PSY 121</td>
<td>3</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>General Psychology</td>
<td>PSYCH 1101</td>
<td>3</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>General Psychology</td>
<td>PSY 101</td>
<td>3</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>General Psychology</td>
<td>PSYC 08103</td>
<td>3</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Psychological Perspective on Human Behavior</td>
<td>PY 101</td>
<td>3</td>
</tr>
<tr>
<td>Truman State University</td>
<td>General Psychology</td>
<td>PSYC 166</td>
<td>3</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>General Psychology</td>
<td>PSY 1100</td>
<td>3</td>
</tr>
</tbody>
</table>

An introduction to psychology as the science of affect, behavior, and cognition focusing on the methods, concepts, and terminology of the field.

Introductory course on the scientific study of behavior and mental processes. Covers research and theories in areas of psychology such as abnormal, social, learning and memory, neuroscience, and development.

An examination of how psychology enhances our understanding of human behavior; a survey of basic biological, experiential, cognitive, emotional, and sociocultural influences on behavior and self-understanding. Students must choose either to be research participants or fulfill an alternative library assignment as part of the course requirements. Honors sections are taught in a lecture/lab format.

General information about psychology in everyday life, designed to correct misconceptions and to give the student a better understanding of self and others.

A survey course designed to introduce students to the foundation of human and animal behavior. Students will study the content and the processes used by behavioral scientists to discover, describe, explain and predict human behavior. The course provides an environment in which students learn how to critically evaluate the biological, social/cultural and psychological variables that contribute to behavior and to reflect on those to develop an informed sense of self and others.

Examination of human behavior and experience from a psychological perspective. Application of psychological principles to understanding of human behavior.

A survey of behavioral principles. Topics include human development, personality, learning and thinking, psychological testing, mental health, therapy, and social behavior.

A general introduction to the science of behavior, surveying the broad field of psychology and the methods of investigation.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Department</th>
<th>Course Code</th>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Missouri-Columbia</td>
<td>General Psychology</td>
<td>PSYCH 1000</td>
<td>3</td>
<td>Survey of theories, principles, and methods in the study of human behavior.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>General Psychology</td>
<td>PSYCH 210</td>
<td>3</td>
<td>A survey of the fundamental principles, theories, and methods of psychological science.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>General Psychology</td>
<td>PSYCH 1003</td>
<td>3</td>
<td>A survey of the basic concepts, theories, and pivotal findings over the past 100 years in the science of Psychology, with special emphasis on contemporary concepts and findings that focus on the relation of the brain to normal and pathological behaviors. All Psychology majors must complete this course with a grade of C- or higher.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>General Psychology</td>
<td>PSYC 101</td>
<td>3</td>
<td>An introduction to the scientific study of human behavior including motivation, perception, learning, emotions, intelligence and the physiological basis of behavior is presented. Successful completion of this course partially fulfills Social &amp; Behavioral Science general education requirements.</td>
</tr>
<tr>
<td>East Central College</td>
<td>General Psychology</td>
<td>PY 1103</td>
<td>3</td>
<td>A course designed to provide the student with a broad, general introduction to the field of psychology. It is a study of behavior designed to present an account of the significant concepts and findings of contemporary psychology. The course should provide a clear description of the bodies of knowledge in the core areas of psychology.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>General Psychology</td>
<td>PSY 101</td>
<td>3</td>
<td>General Psychology reviews the scientific study of behavior and mental processes found in humans and animals. This course includes a survey of the fundamental concepts, principles, historical trends, figures, theories, overarching themes, research design, pivotal empirical findings, and applications in psychology. Students will develop knowledge of psychology’s major content domains of neuroscience, consciousness, cognition, memory, learning, social, personality, emotion, multicultural, abnormal, health, and psychotherapies.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors General Psychology</td>
<td>PSY 101H</td>
<td>3</td>
<td>General Psychology reviews the scientific study of behavior and mental processes found in humans and animals. This course includes a survey of the fundamental concepts, principles, historical trends, figures, theories, overarching themes, research design, pivotal empirical findings, and applications in psychology. Students will develop knowledge of psychology’s major content domains of neuroscience, consciousness, cognition, memory, learning, social, personality, emotion, multicultural, abnormal, health, and psychotherapies.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>General Psychology</td>
<td>PSYC 140</td>
<td>3</td>
<td>Introduction to the scientific study of behavior and mental processes through the exploration of major theories, concepts, methods, and applications in psychology.</td>
</tr>
</tbody>
</table>
research findings in the field of psychology. Using the foundation of the scientific method, topics cover various subdisciplines in psychology: biological, cognitive, developmental, social and personality, and mental/physical health. Emphasis on biopsychosocial influences and integration across sub-discipline topics.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Code</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral Area College</td>
<td>General Psychology I</td>
<td>PSY 1130</td>
<td>3</td>
<td>A broad overview of the general field of psychology and fundamental principles of human behavior. Includes the biology of behavior, learning and memory, emotion and motivation, growth and development, individual personality, psychopathology and treatment of mental illness. Prerequisite: Must have met one of the following: a minimum score of 18 on the ACT reading or eligible placement test score, or a minimum grade of C in RDG0900, ENG0990, or ENGO090, or have earned 24 college-level semester credit hours.</td>
</tr>
<tr>
<td>Missouri State University - West Plains</td>
<td>Introductory Psychology</td>
<td>PSY 121</td>
<td>3</td>
<td>An examination of how psychology enhances our understanding of human behavior; a survey of basic biological, experiential, cognitive, emotional, and sociocultural influences on behavior and self-understanding. Students must choose either to be research participants or fulfill an alternative library assignment as part of the course requirements. Honors sections are taught in a lecture/lab format.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>General Psychology</td>
<td>PSY 101</td>
<td>3</td>
<td>This course is an introduction to the nature and scope of the field of psychology as a scientific and human endeavor. Focus is on the historic development of the field; biological and developmental processes; consciousness and perceptions; learning, remembering, and thinking; motivation and emotion; personality and individuality; social behavior; stress and coping; and psychopathology and psychotherapy.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>General Psychology</td>
<td>PY 121</td>
<td>3</td>
<td>A survey course dealing with the basic facts and principles of human behavior, providing an understanding of why and how people think and act as they do, emphasizing the manner in which the environment influences people.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Introduction to Psychology</td>
<td>PSY 110</td>
<td>3</td>
<td>This course provides an introduction to psychology including history and systems, physiology, human growth and development, sensation and perception, learning, memory, emotion, motivation, personality, adjustment, psychopathology, industrial and social psychology.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Psychology</td>
<td>PSY 101</td>
<td>3</td>
<td>Examination of behavioral, cognitive, psychoanalytic, humanistic, and biological viewpoints in psychology. Includes learning principles and applications, perception, motivation, emotions, stress, psychobiology, personality, abnormal behavior, and approaches to therapy.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Name</td>
<td>Course Number</td>
<td>Credits</td>
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<tr>
<td>St. Louis Community College</td>
<td>General Psychology</td>
<td>PSY 200</td>
<td>3</td>
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</tr>
<tr>
<td>State Fair Community College</td>
<td>General Psychology</td>
<td>PSY 101</td>
<td>3</td>
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</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td></td>
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</tr>
<tr>
<td>Three Rivers College</td>
<td>General Psychology</td>
<td>PSYC 111</td>
<td>3</td>
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</tr>
</tbody>
</table>

This course is an introduction to the scientific study of human behavior. It attempts to help students gain insights into their own and others' behavior. A variety of topics (such as personality, learning, emotion, motivation, human growth and development, abnormal behavior and psychotherapy) relating to psychological development will be covered.

Introduction to the scientific study of behavior and mental processes. Includes a survey of historical and current theories, theorists and perspectives in psychology. Goals include increasing critical thinking and intellectual curiosity about psychological phenomenon and provides a basis for further study in the field. Topics include neurology, sensation and perception, consciousness, learning, psychometrics, personality development, and mental illness and wellness. Writing papers in APA format is required.

Students transferring to this institution will receive three (3) credits in the Social & Behavioral Sciences knowledge area.

General psychology addresses the basics of human development. The course will analyze psychological concepts and the various types of learning. Students will assess the relationship between the brain development and behavior as it relates to psychological concepts.

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**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>GENERAL SOCIOLOGY</th>
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</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR SOCI 101</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>SOCIAL &amp; BEHAVIORAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>Introductory survey of the scientific study of human society to include critical and empirical analysis of human interactions and cultures within groups and social organizations.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Introduction to Sociology</td>
<td>SOC 0100</td>
<td>3</td>
<td>This course surveys the range of human cultural variation and differing patterns of human social relationships. The perspectives and concepts of anthropology and sociology presented in this course will prepare the student to recognize and appreciate the variety of social and cultural situations encountered in life.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Introduction to Sociology</td>
<td>SA 201</td>
<td>3</td>
<td>This course is designed to introduce students to the fundamental theories, methodological approaches and basic principles used in sociology. The course examines the systematic study of social relationships and interactions. Detailed study of socialization, social structures, institutions, inequality, social control, gender, ethnicity, the economy and globalization will be engaged. This course serves as a prerequisite to all sociology courses.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Introduction to Sociology</td>
<td>SOC 110</td>
<td>3</td>
<td>An introductory course focused on the systematic study of society. Emphasis is on major concepts of sociology and the scientific point of view in understanding and explaining human behavior and social phenomena.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introduction to Sociology</td>
<td>SOC 150</td>
<td>3</td>
<td>The study of society including its structure and operation from the perspective of sociology. The course focuses on ways society is constructed by people and, in turn, on the ways society shapes people. This general education course supplies students with a community as well as global, multicultural understanding of society.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Tech.</td>
<td></td>
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<td></td>
<td>Students transferring to this institution will receive three (3) credits in the Social &amp; Behavioral Sciences knowledge area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introduction to Sociology</td>
<td>SOC 110</td>
<td>3</td>
<td>An introduction to the discipline of sociology; basic sociological concepts and theories; a survey of the major topics such as culture, society, social interaction, groups, crime, race/ethnicity, class, gender, the family, education, religion, medicine, economy, politics. Cross-cultural comparisons.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>General Sociology</td>
<td>SOC 35101</td>
<td>3</td>
<td>This course is designed to provide a greater understanding of the social world. Sociology is defined as a scientific study of human behavior in social life with an assumption that there are social forces which shape and influence patterns of behavior and ways of thinking. These include social forces such as culture, stratification, age, gender, race and ethnicity, and globalization. Several sociological perspectives serve as the point of reference by which human behavior at the micro and macro level are better understood.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Society, Culture and Social Behavior</td>
<td>SO 102</td>
<td>3</td>
<td>A series of lectures, projects and group discussions analyzing the impact of society and culture on human social behavior. (University Studies course)</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Introduction to Sociology</td>
<td>SOAN 190</td>
<td>3</td>
<td>This course provides students an introduction to the scientific study of society and human behavior. Since all human behavior is social, this course begins by examining key societal building blocks such as culture, socialization, and social structure. As students learn the major theories of sociology, and begin to apply the “sociological imagination” to better understand their own life experiences, and the experiences of others, the role that social institutions, groups, organizations,</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>General Sociology</td>
<td>SOC 1800</td>
<td>3</td>
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<tr>
<td>Explores the relationships of individuals, groups, and society in the context of changing social institutions. Addresses basic concepts and subfields in sociology.</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Introduction to Sociology</td>
<td>SOCIOL 1000</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Nature of organization and activities of human groupings-family, community, crowd, social class, etc.; structure, function of institutions; social influences shaping personality, behavior, social change. No credit for both SOCIOL 1000 and RU_SOC 1000.</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>Principles of Sociology</td>
<td>SOCIOL 101</td>
<td>3</td>
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</tr>
<tr>
<td>An introduction to the study of society and the basic concepts of sociology.</td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>Introduction to Sociology</td>
<td>SOCIOL 1010</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>An introduction to sociological approaches to human behavior including types of social organizations, patterns of social interaction, and social influences on individual conduct.</td>
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</tr>
<tr>
<td>Crowder College</td>
<td>General Sociology</td>
<td>SOC 101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>This introduction analyzes groups, institutions and individual behavior in group environments. Successful completion of this course partially fulfills Social &amp; Behavioral Science general education requirements.</td>
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<tr>
<td>East Central College</td>
<td>Introduction to Sociology</td>
<td>SO 1103</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>An introductory course in the field of sociology with special emphasis on the scientific study of social relations, social organizations, social institutions, and social dynamics.</td>
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</tr>
<tr>
<td>Jefferson College</td>
<td>General Sociology</td>
<td>SOC 101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Sociology deals with the scientific and systematic study of group behavior, exploring human society and social interaction.</td>
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<tr>
<td>Jefferson College</td>
<td>Honors General Sociology</td>
<td>SOC 101H</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Sociology deals with the scientific and systematic study of group behavior, exploring human society and social interaction.</td>
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<tr>
<td>Metropolitan Community College</td>
<td>Sociology</td>
<td>SOCI 160</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>3 credits. 3 hours. (Lecture 3 HOURS.) Introduction to sociological principles, practices, and concepts with emphasis on groups, culture, personality, society, communication, cities, and social institutions. Family, religion, government, social change, social control, and social progress.</td>
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<tr>
<td>Mineral Area College</td>
<td>General Sociology</td>
<td>SOC 1130</td>
<td>3</td>
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</tr>
<tr>
<td>General Sociology Prerequisite: Must have met one of the following: a minimum score of 18 on the ACT reading or eligible placement test score, or a minimum grade of C in RDG0900, ENG0990, or ENG0090, or concurrent enrollment in RDG0900, or have earned 24 college-level semester credit hours. Systematically examines behavior and human groups, particularly the influence of culture, socialization, social structure, stratification, social institutions, differentiated by race, ethnicity, gender, class, region and sociocultural change upon people’s attitudes and behaviors.</td>
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<tr>
<td>Missouri State Univ. - West Plains</td>
<td>Introduction to Sociology</td>
<td>SOC 150</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>The study of society including its structure and operation from the perspective of sociology. The course focuses on ways society is constructed by people and, in turn, on the ways society shapes people. This general education course supplies students with a community as well as global, multicultural understanding of society.</td>
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Updated February 28, 2018
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moberly Area Community College</td>
<td>Introduction to Sociology</td>
<td>SOC 101</td>
<td>3</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Introduction to Sociology</td>
<td>SO 107</td>
<td>3</td>
</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>Introduction to Sociology</td>
<td>SOC 101</td>
<td>3</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Sociology</td>
<td>SOC 101</td>
<td>3</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introduction to Sociology</td>
<td>SOC 101</td>
<td>3</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>General Sociology</td>
<td>SOC 100</td>
<td>3</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>General Sociology</td>
<td>SOCI 111</td>
<td>3</td>
</tr>
</tbody>
</table>

- **Moberly Area Community College**: Sociology is a scientific study of society and the interaction between society and its human environment. Emphasis is on an explanation of the importance of values and norms and their significance in the development of attitudes and resulting social behavior. Course includes such concepts as social organization and culture, socialization, institutions, and collective behavior.

- **North Central Missouri College**: A survey course concerned with the study of human relationships in groups and of the structures and organizations that develop within human society. Emphasis is placed on various social phenomena and the theories which attempt to explain them.

- **Ozarks Technical Comm. College**: This course is an inquiry into the nature of society, the foundation of group life, institutions, structure of society and the role of the individual as a group member. Emphasis on implications for social change is encouraged.

- **St. Charles Community College**: Examines relationship between individual and society in social structure of modern society. Introduction to way in which sociologists interpret and research human behavior. Covers patterns of social interaction and social influences on individual conduct.

- **St. Louis Community College**: This course is a general survey of the discipline of sociology. The course explores the reciprocal relationship between individuals and social institutions. Specifically it examines how social forces both shape and are shaped by beliefs and behaviors regarding ourselves and others.

- **State Fair Community College**: Introduction to the basic principles, concepts, research strategies, and empirical findings representative of the field today. Explores the relationships of individuals and groups in the context of broader social patterns. Establishes a basis for further study in the field. Course topics may include gender and racial inequality, deviance, economic and political institutions, social mobility, and concepts related to current social and cultural change.

- **State Technical College of Missouri**: Students transferring to this institution will receive three (3) credits in the Social & Behavioral Sciences knowledge area.

- **Three Rivers College**: Sociology is the scientific study of human groups. General Sociology provides sociological information (viewed from various sociological perspectives) about the foundations of society, social inequality, social institutions, and social change at both national and international levels.
<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>LIFE SPAN HUMAN DEVELOPMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR PSYC 200</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>SOCIAL &amp; BEHAVIORAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
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</tbody>
</table>

**MOTR COURSE DESCRIPTION**

Survey course that introduces the scientific study of the interacting biological, psychological, and social/environmental factors that influence physical, cognitive, and socioemotional human development across the life span.

Students develop:

- the foundational knowledge base of developmental psychology to include major theories and scientific research supported principles of how biological factors (e.g., genetics/heredity, anatomy, physiology, sex, maturation, aging, physical wellness), psychological factors (e.g., behavioral, cognitive, emotional, personality, gender identity, psychological wellness), and social/environmental factors (e.g., relationships, socio-historical and sociohistorical contexts, material environment) interact and influence human physical, cognitive, socioemotional development across the life span (prior to conception through birth and childhood to adulthood and end of life);

- basic skills and concepts in critically interpreting human development, studying developmental psychological scientific research, and applying developmental psychological scientific research methodology and design principles to draw conclusions about human development; develop ethical social responsibility in a diverse world through study of formal regulations that govern professional ethics in developmental psychology and exploration of values that contribute to positive outcomes in a diverse multicultural and global society;

- competence in communication through writing cogent scientific arguments, presenting information using a scientific approach, discussion of developmental psychological concepts, explanation of the ideas of others, and expression of own ideas;

- apply psychological science to self to develop work habits and ethics for academic, professional, and personal success.
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
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<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Social &amp; Behavioral Sciences knowledge area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>DEVELOPMENTAL PSYCHOLOGY</td>
<td>PSY 308</td>
<td>3</td>
<td>A life-span course on human development. Emphasis is on physical, psychological, and social development from conception to death. Prerequisite: PSY 101.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Social &amp; Behavioral Sciences knowledge area.</td>
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<tr>
<td>Missouri State University</td>
<td>Principles of Human Development</td>
<td>CFD 155</td>
<td>3</td>
<td>General Education Course (Focus on Social &amp; Behavioral Sciences). Basic principles that govern human development from the prenatal period to death; developmental tasks and interrelations of family members through the life span.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Developmental Psychology</td>
<td>PSYCH 3310</td>
<td>3</td>
<td>A study of human growth and development across the lifespan. The course emphasizes the interaction of physical, psychological, and social changes and their resulting impact on the developing person at all stages in life. Prerequisite: Psych 1101.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Life-Span Developmental Psychology</td>
<td>PSY 240</td>
<td>3</td>
<td>The cognitive, personality, emotional, social, and physical changes that occur from conception through old age. This course is intended primarily for majors in fields which require a developmental psychology overview of the life span. Credit for this course is not applicable toward a psychology major. Prerequisite(s): PSY 101.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Developmental Psychology</td>
<td>PSYC 08333</td>
<td>3</td>
<td>A comprehensive survey of human developmental principles emerging during conception and continuing through to the process of death. Emphasis is placed upon the physical, intellectual, cognitive and social-emotional growth from research, theoretical and applied viewpoints based upon empirically demonstrated psychological knowledge. Prerequisite: PSYC 08103 or PSYC 08303.</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Psychological Development Across the Life Span</td>
<td>PY 220</td>
<td>3</td>
<td>Broad overview of human development across the life-span. Reciprocal nature of the individual/environment interaction is emphasized. (University Studies course)</td>
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<tr>
<td>Truman State University</td>
<td>Developmental Psychology</td>
<td>PSYC 377</td>
<td>3</td>
<td>Psychological, social, cognitive, and biological development from prenatal development through old age, death and dying are covered from a theoretical and research-based framework. Prerequisite: PSYC 166 - General Psychology. NOTE:* This course counts toward the 63-credit Liberal Arts and Sciences (LAS) graduation requirement.</td>
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<tr>
<td>University of Central Missouri</td>
<td>Life-Span Developmental Psychology</td>
<td>PSY 3220</td>
<td>3</td>
<td>Theories of development, universal features of human development and its individual variations throughout the life-span of the individual. Prerequisite(s): PSY 1100 or EDFL 2240. This is a professional education course.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Social &amp; Behavioral Sciences knowledge area.</td>
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<tr>
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<td>Human Growth and Development</td>
<td>HLSC 252</td>
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<td>University of Missouri-St. Louis</td>
<td>Human Growth and Development</td>
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<td>Human Development</td>
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<tr>
<td>Jefferson College</td>
<td>Life Span Human Development</td>
<td>PSY 205</td>
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<tr>
<td>Metropolitan Community College</td>
<td>Human Lifespan Development</td>
<td>PSYC 243</td>
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<tr>
<td>Missouri State University - West Plains</td>
<td>Principles of Human Development</td>
<td>CFD 155</td>
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</table>

This course provides a basic introduction to the theory for human growth and development across the life span. Emphasis is placed upon the biological and the psychosocial aspects of growth and development. Content is organized in a modified chronological order dividing information into major stages of growth and development across the lifespan.

A survey course, designed for non-majors. This course examines development over the lifespan with an emphasis on the developmental tasks and hazards of each age period. Majors in Psychology and students planning to pursue a career in psychology research, teaching, or practice are strongly encouraged to take PSYCH 2270 instead of this course. Prerequisites: PSYCH 1003.

This is a study of human development across the lifespan. From conception to death, this course will examine physical, cognitive, and socioemotional changes along developmental milestones. Successful completion of this course partially fulfills Social & Behavioral Science general education requirements. (Prerequisite: PSYC 101)

A course designed to provide the student with a broad, general introduction to human development. The entire life span will be covered including those concepts and principles basic to an understanding of human development. Development will be studied using an integrated approach from the biological, psychological, sociological, and cultural perspectives. Prerequisite: PSY 101 and ENG 101; minimum grade C

Life Span Human Development examines the physical, cognitive, and psychosocial development of the individual from pre-conception through adult aging and end of life. Life Span Human Development will partially meet the Social & Behavioral Science requirement for the Associate of Arts and Associate of Arts in Teaching degrees. Prerequisites: PSY101 or PSY101H with a minimum grade of a "C" and reading proficiency

Discussion of the physical, social, emotional, and personality changes occurring during the life of the individual from conception through death. Emphasis is placed on the similarities and differences in development across and within cultures.

Provides the student with a lifespan approach to development. Examines major psychological issues, theories and research concerning infancy, childhood, adolescence and adulthood. Influences on physical, cognitive, personality and social development are analyzed. Prerequisite: Must have met one of the following: a minimum score of 18 on the ACT reading or eligible placement test score, or a minimum grade of C in RDG0900, ENG0990, or ENG0090, or have earned 24 degree college-level semester credit hours.

Basic principles that govern human development from the prenatal period to death; developmental tasks and interrelations of family members through the life span. Licensed Practical Nurses who have been admitted to the LPN-to-RN
<table>
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<tr>
<th>Institution</th>
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<tr>
<td>Moberly Area Community College</td>
<td>Human Lifespan Development</td>
<td>PSY 205</td>
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<tr>
<td>North Central Missouri College</td>
<td>Human Growth &amp; Development</td>
<td>PY 233</td>
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<td>Ozarks Technical Comm. College</td>
<td>Life Span Development Psychology</td>
<td>PSY-130</td>
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<td>St. Charles Community College</td>
<td>Human Growth and Development</td>
<td>PSY 210</td>
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<td>St. Louis Community College</td>
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<td>State Fair Community College</td>
<td>Lifespan Development</td>
<td>PSY 210</td>
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<td>State Technical College of Missouri</td>
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<tr>
<td>Three Rivers College</td>
<td>Human Development Across the Life Span</td>
<td>PSYC243</td>
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</table>

This course is designed to present the study of human development throughout the life span. Study includes the three domains of development: physical, cognitive, and psychosocial. Major theories, the influence of genetics, and prenatal development will be examined. The framework of the course is chronological, dividing the life span into seven parts: infancy, early childhood, middle childhood, adolescence, young adulthood, middle adulthood, late adulthood, and the end of life. Prerequisite: PSY101.

A study of human development across the life span. The focus is on clearly-defined stages of life, each with its own unique problems, concerns and solutions. The history, research methods, theories, technology and terminology related to the study of human development are discussed. PREREQUISITE: PY 121.

This course is a study of human life span development, including the physical, emotional, cognitive and social developments and changes from conception through death.

Survey of basis of human growth and development. Review of emotional, mental, physical, and social needs of children, adolescents, and adults. Analysis of multiple factors that influence and shape behavior and personality. Prerequisites: PSY 101

This course is a survey of the basis of human growth and development. Biological, cognitive and socioemotional needs of children, adolescents and adults are reviewed. The multiple factors which influence and shape behavior and personality are analyzed. Prerequisites: PSY 200 and Reading Proficiency.

Study of major theories of psychological development during infancy, childhood, adolescence, and adulthood. Topics include physical, psychosocial and cognitive development across the lifespan giving consideration to cultural and individual variations. Prerequisite: PSY 101 with a grade of C or higher. Writing papers in APA format is required. Students are advised to have completed ENGL 101 prior to enrolling.

Students transferring to this institution will receive three (3) credits in the Social & Behavioral Sciences knowledge area.

Human Development Across the Lifespan defines the systematic changes and continuities that fall into three broad domains: physical development, cognitive development, and psychosocial development. The course reviews the major theories of human development. This course also examines the individual in the context of the family, school, media, culture, and/or psychopathy. Prerequisite(s): ENGL 02 and READ 02 or Writing and Reading placement of ENGL 111.
# Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>WORLD REGIONAL GEOGRAPHY</th>
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<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR GEOG 101</td>
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<tr>
<td>KNOWLEDGE AREA</td>
<td>SOCIAL &amp; BEHAVIORAL SCIENCES</td>
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</table>
| **MOTR COURSE DESCRIPTION** | Introductory survey of the study of the interacting relationship between human populations and their environment to include physical features of the Earth and cultural characteristics, key issues, and problems in regions of the world. Includes discussion of natural systems, globalization, economic development, ethnic diversity and geopolitical conflicts and human impacts upon the environment. Upon completion of the course, the student should be able to:  
- Define the basic geographic theories, research, and terminology.  
- Use maps and spatial data to interpret geographic phenomena and information from a variety of geographic maps and graphs.  
- Define and evaluate the realms and regions of the world and describe the process of regionalization. This includes the realms of Europe, Russia, North America, Middle America, South America, North Africa and Southwest Asia, South Asia, East Asia, Southeast Asia, Australia and New Zealand, and the Pacific.  
- Explain and evaluate the human-environment interaction.  
- Describe and explain global interconnectedness. |

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<tr>
<td>Harris-Stowe State University</td>
<td>Principles of Geography</td>
<td>GEOG 0200</td>
<td>3</td>
<td>This course is a survey of the physical processes acting on the earth’s terrain and man’s role of interaction with and perceptions of his environment. The survey covers a broad range of topics. An examination of the world's geographic regions focusing on the location of Earth's major physical features, human populations and cultures, and their interaction. Topics include natural systems, globalization, ethnic and geopolitical conflicts, and human impacts upon the environment. This</td>
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<tr>
<td>Institution</td>
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<td>Lincoln University</td>
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<td>GEOG 0111</td>
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<td>Introduction to Geography</td>
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<td>Northwest Missouri State University</td>
<td>People and Cultures of the World</td>
<td>GEOG 32-102</td>
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<td>Southeast Missouri State Univ.</td>
<td>Cultural Geography</td>
<td>GG-180</td>
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<tr>
<td>Truman State University</td>
<td>The Geographic Perspective</td>
<td>GEOG 111</td>
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<td>University of Central Missouri</td>
<td>World Geography</td>
<td>GEOG 2212</td>
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<td>University of Missouri-Columbia</td>
<td>Regions and Nations</td>
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Updated February 28, 2018
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<tr>
<td>University of Missouri-Kansas City</td>
<td>Introduction to the Elements of Geography</td>
<td>GEOG 105</td>
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<td>University of Missouri-St. Louis</td>
<td>Introduction to Geography</td>
<td>GEOG 1001</td>
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<td>University of Missouri-St. Louis</td>
<td>World Regions</td>
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<td>Cultural/Human Geography</td>
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<td>Mineral Area College</td>
<td>Regional World Geography</td>
<td>GEO 1130</td>
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</table>

A survey of major elements of physical and human geography, with a concise overview of the world’s regions. Emphasis on global relationships and distributions, both environmental and cultural. Climates, natural vegetation, landforms, cultural origins and diffusions, economic patterns.

An introduction to geography as a social science. The identification and explanation of order in the human landscape. A survey of the social, political, economic, and psychological factors which influence geographic patterns.

Survey of the major regions of the world. Designed to give the student an awareness of the character of each of these major regions through the interrelationships of the various attributes of place. Each semester the geographic perspective will be applied in greater depth to one significant country such as Afghanistan, Iraq, or North Korea.

Emphasis in this study of the realms, regions and nations of the world includes geographical factors such as natural environments and human cultural patterns which affect life on the earth. Students successfully completing this course partially fulfill Social & Behavioral Science general education requirements. East

World Regional Geography is an introduction to the academic discipline of Geography including a world survey, presenting the essential physical and cultural characteristics, key issues, and problems of the major regions of the world: the Americas, Europe, Russia, North Africa, Southwest Asia, Subsaharan Africa, South Asia, East Asia, and the Pacific. Special attention is given to selected countries.

An introductory study of the basic geographic and cultural regions of the world, including North and South America, Europe, Africa, and Asia with emphasis on the natural resources, political conditions, economy, population, religions, and cultural patterns of each area. A special unit on Missouri geography is included.

Addresses techniques of geographic interpretation, and cultural and political diversity, the relationship to physical environment, availability of water, food, and other natural resources, language, religion, industry, spatial relationships of cities and settlements, population, ethnic characteristics, migration, folk and popular cultures, and the effects of globalization.

Introduction and application of geographic principles to the survey of the major world regions: Europe, Asia, Africa, Middle East, North America, and the Pacific World.

UNDER REVIEW BY FACULTY DISCIPLINE GROUP. An introductory survey of physical, cultural, economic and political geography of the world’s major regions including: Anglo-America, Asia, Europe, Latin America, North Africa, Southwest Asia and Sub-Saharan Africa.

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<td>World Regional Geography</td>
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<td>Moberly Area Community College</td>
<td>World Geography I</td>
<td>GEO 101</td>
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<td>North Central Missouri College</td>
<td>Introduction to World Geography</td>
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<td>Principles of Geography</td>
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<td>Geography of the Eastern World</td>
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<tr>
<td>State Fair Community College</td>
<td>World Geography</td>
<td>GEOG 101</td>
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A survey of the world's geographic regions focusing on the location of Earth's major physical features, human populations and cultures and their interactions. Topics include natural systems, globalization, ethnic and geopolitical conflicts and human impacts upon the environment. This course provides both an introduction to geography as a discipline and a basic geographic foundation for those interested in current international issues, politics, history and public affairs. Partially fulfills the general education requirements in the social sciences for the A.A. degree.

GEO 101 is a survey of conditions in Europe, the former Soviet Union, the Middle East, South Asia, and Japan, emphasizing each region’s importance to the world as a whole. The physical, cultural, and economic characteristics of each region are included.

This course surveys the world’s major developed regions and their physical and human characteristics from a geographic perspective. The physical environment includes landforms and climate while the human landscape is characterized by language, religion, population characteristics and economic development.

Students in this course learn the role of geography in the economic, political and social development of each of the regions studied and how the various world regions interact with one another.

Covers the major areas of geographic study, both physical and cultural and how each is distributed globally. Promotes understanding of a multicultural world and the differing values held by people throughout that world.

Survey of Asia, Africa, the Middle East, Australia, and Pacific World. Emphasis on topographical, physical, human and cultural factors.

Survey of the continents of Europe, North America, and South America. Emphasis on topographical, physical, human and cultural factors.

This course surveys various world regions, their major countries, and the physical, cultural, economic, and political roles of these countries within the global family of nations. This course introduces the discipline of geography and provides understanding of the world, its different people, places, and regions. Regional Geography also places an emphasis on the ways that people and places interact across space and time to produce particular outcomes. Technological innovations, the spread of political/economic ideologies, and the movement of people and goods across the globe have made most contemporary problems and solutions global in nature.

Survey of the major topical elements of geography with additional emphasis on environmental awareness and place-name geography. Designed for prospective elementary and social studies educators.
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<tbody>
<tr>
<td>State Technical College of Missouri</td>
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<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Social &amp; Behavioral Sciences knowledge area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>World Regional Geography</td>
<td>GEO* K111</td>
<td>3</td>
<td>This course provides students with a survey of the lands, peoples, and places in the world’s major cultural regions. Students explore the interaction between the physical environment and cultural, political, and economic conditions in the world’s regions. Course fulfills International/Intercultural Requirement.</td>
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<tr>
<td>Harris-Stowe State University</td>
<td>World Affairs (International Relations)</td>
<td>POSC 0370</td>
<td>3</td>
<td>Prerequisite: POSC 0200 and HIST 0214 Students discuss and analyze and contemporary relations and problems among nation-states and the major factors which influence these relations.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>International Relations</td>
<td>PSC 460</td>
<td>3</td>
<td>World politics, institutions, and concepts including power, resources, conflict resolution, and international law.</td>
</tr>
<tr>
<td>Institution</td>
<td>Field</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Missouri Southern State University</td>
<td>International Relations</td>
<td>PSC 0321</td>
<td>3</td>
<td>Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>International Relations</td>
<td>PLS 232</td>
<td>3</td>
<td>Conflict and cooperation in the nation-state system. Theories on international organization, power politics, regional integration, nationalism, war. Problems of developing areas such as Africa, Latin America and Southeast Asia. Prerequisite PLS 101</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>International Relations</td>
<td>POL SCI 2500</td>
<td>3</td>
<td>A general introduction to the theoretical framework, pattern and personalities of international relations with special emphasis upon American foreign policy making. Problems of international economic development, resources, and armaments will also be examined. Prerequisite: Pol Sci 1200 or History 1300 or 1310.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>International Politics</td>
<td>PSC 200</td>
<td>3</td>
<td>The nature of politics at the international level; the national state system and state capabilities; foreign policy objectives, formulation, and execution; international organizations and alignments; contemporary world tensions. LAS International/Intercultural. Prerequisite(s): PSC 101</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>International Conflict</td>
<td>POLS 34-421</td>
<td>3</td>
<td>This course focuses on the principles of international relations, illustrated through the use of international conflict resolution.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Introduction to Global Issues</td>
<td>PS 280</td>
<td>3</td>
<td>Concepts and theories to analyze global issues emphasizing conflict, cooperation, arms control, human rights, the environment, development, and the role of the United States. Prerequisite: PS 103 or PS 104 or PS 220.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Introduction to International Relations</td>
<td>POL 250</td>
<td>3</td>
<td>The national state system, national policies of great and small powers, and the rise of lesser developed states in a 20th Century context.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>World Politics</td>
<td>POLS 2530</td>
<td>3</td>
<td>Introduction to international relations with specific focus on the nature and causes of war, conflict resolution, political, social, economic, and military issues in international politics.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>International Relations</td>
<td>POL_SC 1400</td>
<td>3</td>
<td>Contemporary international affairs including family of nations, control of national foreign policies, competition and cooperation in legal, political, economic, social fields.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>International Relations</td>
<td>POLS-SCI 230</td>
<td>3</td>
<td>An analysis of relations among nations, with emphasis on structures of international power, causes of war, and approaches to peace.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>World Politics</td>
<td>POL SCI 1800</td>
<td>3</td>
<td>An introduction to the field of international relations, covering such topics as nationalism, power, foreign policymaking, diplomacy, war, terrorism, arms control and disarmament, economic interdependence, the regulation of conflict, and other aspects of politics among nations</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td></td>
<td></td>
<td>Students transferring to this institution will receive three (3) credits in the Social &amp; Behavioral Sciences knowledge area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>International Relations</td>
<td>PSC 201</td>
<td>3</td>
<td>A study of the major factors underlying international relations: climate and geography, national concepts and institutions, and the development of foreign politics.</td>
</tr>
<tr>
<td>College</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
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</tr>
<tr>
<td>Jefferson College</td>
<td>International Relations</td>
<td>PSC 155</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Introduction to International Relations</td>
<td>POLS 234</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Missouri State University - West Plains</td>
<td>International Relations</td>
<td>PLS 232</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>International Relations</td>
<td>PSC 150</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>International Relations</td>
<td>PLS 201</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>International Relations</td>
<td>POL 201</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>International Relations</td>
<td>PSC 201</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

International Relations is a survey of current international politics including economic, military, and other relations between nations. This course also includes the role of international organizations, multinational corporations, and other non-government actors emphasizing the analysis of why nations and other actors pursue particular policies.

This course acquaints students with the core concepts, processes, issues, and analytical tools of international relations. The course details the actors in international relations, how foreign policy is made, and the role of power. The course examines past, contemporary, and future problems in the international system, including military conflict, economics, demography, and the environment. Upon completion of this course, students should have a strong basic understanding of international relations.

Students transferring to this institution will receive three (3) credits in the Social & Behavioral Sciences knowledge area.

Conflict and cooperation in the national state system. Theories on international organization, power politics, international integration/disintegration, nationalism, terrorism, trade and war. Problems of developing areas such as the Middle East, Africa, Asia, Latin America. International/Intercultural Component.

Students transferring to this institution will receive three (3) credits in the Social & Behavioral Sciences knowledge area.

PSC 150 is a study of contemporary international affairs, including the family of nations; the control of national foreign policies; and competition and cooperation in the legal, political, economical, and social fields. (IN)

This course is a study of international relations, international behavior, and the role of the nation-state within the international system. Areas of concentration include foreign policy, major social and political forces at work in the contemporary world, theories of international relations, nationalism and conflict/cooperation. Prerequisite(s): PLS 101 or GRY 101.

Study of factors shaping relationships among nations with emphasis upon developing nations and economic, political and environmental issues.

International Relations looks at the politics and policies among nations. Topics discussed include theories of international politics, levels of foreign policy analysis, conflict and peace, terrorism, globalization, international political economy, and the specific foreign policies of great, middle, and small states.

Students transferring to this institution will receive three (3) credits in the Social & Behavioral Sciences knowledge area.
<table>
<thead>
<tr>
<th>Three Rivers College</th>
<th>International Relations</th>
<th>GOVT 233</th>
<th>3</th>
<th>Behavioral Sciences knowledge area.</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course is the study of basic factors governing international relationships among nations and how those factors figure in current world problems.</td>
<td></td>
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</tr>
</tbody>
</table>

### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>AMERICAN GOVERNMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR POSC 101</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>SOCIAL &amp; BEHAVIORAL SCIENCES, CIVICS</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
</tbody>
</table>

**MOTR COURSE DESCRIPTION**

Introductory survey of American and Missouri government constitutions, institutions, politics, and processes. Students develop an understanding of the foundations and environment of the American political system by examining the principles of democracy and political ideology and thought upon which the US and State of Missouri is based, outline the government's institutions, describe and evaluate the key concepts about voting, political parties, campaigns, and other forms of political participation, understand the interactions between the branches of government, the citizens, and how those interactions create domestic and foreign policy.

Students develop
- an understanding of the foundations and environment of the American political system by examining the principles of democracy and political ideology and thought upon which the US and State of Missouri is based,
- outline the government's institutions,
- describe and evaluate the key concepts about voting, political parties, campaigns, and other forms of political participation,
- understand the interactions between the branches of government, the citizens, and how those interactions create domestic and foreign policy.

This course meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.

Updated February 28, 2018
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>American Government</td>
<td>POSC 0200</td>
<td>3</td>
<td>This course is an introductory explanation of how American government works. It covers the legislative, executive and judicial branches of both national and state government. It also discusses elections, political parties and interest groups. The United States and Missouri Constitutions are included.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Government: US State and Local</td>
<td>PSC 0120</td>
<td>3</td>
<td>Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. Successful completion of this course fulfills the requirements for the state-mandated Missouri Constitution Test.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>American Democracy and Citizenship</td>
<td>PLS 101</td>
<td>3</td>
<td>All students enrolling for PLS 101 must be eligible for ENG 110 or higher. This course familiarizes students with the institutions and constitutional framework of the United States and Missouri. The course emphasis is on the values, rights, and responsibilities that shape the public decision making of active and informed citizens and influence contemporary public affairs in a democratic society.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>American Government</td>
<td>POL SCI 1200</td>
<td>3</td>
<td>National, state and local government in the United States with special emphasis on political behavior and the institutions that determine and execute public policy. Topics include basic structure of American government, (i.e., democracy, the Constitution, the branches of government), as well as citizenship, parties, pressure groups and American economic policy. The course views government in its relation to its people, its services and protection.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>American National Government</td>
<td>PSC 101</td>
<td>3</td>
<td>The American constitutional system, including Congress, the presidency, and the courts; and public issues.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Introduction to American Government &amp; Politics</td>
<td>POLS 34-102</td>
<td>3</td>
<td>Attention is directed toward the fundamental principles, institutions, and problems of American Constitutional Government-national, state, and local. Particular stress is given to the Missouri Constitution, as well as to national Constitutional growth.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>U.S. Political Systems</td>
<td>PS 103</td>
<td>3</td>
<td>Institutions and processes of national and state government, including an analysis of the Missouri Constitution.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>American National Government</td>
<td>POL 161</td>
<td>3</td>
<td>This course covers the principles, organization, and functions of American national government. The role of public attitudes, voting and elections in shaping the behavior of that government are also studied. May be applied toward the Public Administration Minor.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>American Government</td>
<td>POLS 1510</td>
<td>3</td>
<td>The nature, philosophical bases, development, functions, structure, and processes of the government and politics of the United States and of Missouri. Emphasis on and analysis of the nature and development of the provisions and principles of the Constitution of the United States and of Missouri.</td>
</tr>
<tr>
<td>Institution</td>
<td>Topic</td>
<td>Course Code</td>
<td>Units</td>
<td>Description</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>American Government</td>
<td>POL_SC 1100</td>
<td>3</td>
<td>Topics covered include Constitution, federalism, civil liberties, political attitudes, interest groups, political parties, nominations, elections, and campaigns, voting behavior, Congress, Presidency, bureaucracy, and judiciary. Meets state law requirement.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>American Government</td>
<td>POLS-SCI 210</td>
<td>3</td>
<td>American government and politics, with special reference to the U.S. Constitution. This course meets the state requirement for study of the U.S. and Missouri Constitutions.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>American Politics</td>
<td>POL SC 1100</td>
<td>3</td>
<td>Introduction to basic concepts of government and politics with special reference to the United States, but including comparative material from other systems. Course fulfills the state requirement.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>National, State, Local Government</td>
<td>PLSC 103</td>
<td>3</td>
<td>PLSC 103 introduces the basic principles and structures of the American national government, and state and local government organizations and functions. Emphasis is placed on constitutional development and interpretation; the place of government in the social process; and the function of the executive, legislative, and judicial branches. Successful completion of PLSC 103 fulfills the State of Missouri constitution requirements and partially fulfills Social &amp; Behavioral Science general education requirements.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>National, State, Local Government</td>
<td>PLSC 104</td>
<td>4</td>
<td>This is a political science class designed for honors students. The course content is the same as Political Science 103 except this class is writing intensive and, when appropriate, more varied instructional techniques will be used in this class. (Prerequisite: admission to Honors Program or consent of the instructor and reading at the college level)</td>
</tr>
<tr>
<td>East Central College</td>
<td>US Government I (National &amp; State)</td>
<td>PS 102</td>
<td>3</td>
<td>An introduction to the basic principles and structures of American, national, state, and local governments. Emphasis will be placed upon the federal system; constitutional development and interpretation; civil liberties; political parties; the executive, legislative, judicial branches; and federal administrative agencies. PS 102 complies with the provisions of Section 170.011 RSMo requiring the study of state and federal constitutions.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>U.S. &amp; Missouri Governments &amp; Constitutions</td>
<td>PSC 102</td>
<td>3</td>
<td>U.S. and Missouri Governments and Constitutions examines the U.S. and Missouri Constitutions including their impact on federal, state, and local government structure and power. Focus is on citizen and group efforts to influence government policies. This course fulfills the Missouri and U.S. Constitutions requirement.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors U.S. &amp; Missouri Governments &amp; Constitutions</td>
<td>PSC102H</td>
<td>3</td>
<td>U.S. and Missouri Governments and Constitutions examines the U.S. and Missouri Constitutions including their impact on federal, state, and local government structure and power. Focus is on citizen and group efforts to influence government policies. This course fulfills the Missouri and U.S. Constitutions requirement.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Introduction to American National Politics</td>
<td>POLS 136</td>
<td>3</td>
<td>Principles of political science. Examination of the development, organization, and function of the national government. Its relationship to the cultural, economic, and social institutions of the United States, Federal and Missouri constitutions.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral Area College</td>
<td>American Political Systems</td>
<td>POS 1180</td>
<td>3</td>
<td>Following: a minimum score of 18 on the ACT reading or eligible placement test score, or a minimum grade of C in RDG0900, ENG0990, or ENG0090, or have earned 24 college-level semester credit hours. A required course of all students pursuing the AA, AAT or AGS degree; covers local, state and national government systems. Satisfies the U.S. and Missouri constitution requirements.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>American Democracy and Citizenship</td>
<td>PLS 101</td>
<td>3</td>
<td>All students enrolling for PLS 101 must be eligible for ENG 110 or higher. This course familiarizes students with the institutions and constitutional framework of the United States and Missouri. The course emphasis is on the values, rights, and responsibilities that shape the public decision making of active and informed citizens and influence contemporary public affairs in a democratic society.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Functions and Policies of American Government</td>
<td>PSC 105</td>
<td>3</td>
<td>This course covers the study of national government, including its organization, functions, and policies. Detailed attention is given to the policy-making process and to the roles of various government functions. Attempts are made to relate government to everyday life. The course identifies major problems of American society affecting the policy-making process. A study of the federal and Missouri constitutions is included in this course.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>National Government</td>
<td>PL 216</td>
<td>3</td>
<td>A basic introductory course to acquaint the student with the workings of the national government and the political system which bolsters it. Emphasis is placed on governmental structure, using the historical approach to answer the questions as to why the United States system has developed in the manner it has. The Constitution is dealt with in detail as the source of governmental power (Meets the Missouri Constitutional Requirements). PREREQUISITE: Appropriate placement score or successful completion of DS 015.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>American Government &amp; Politics</td>
<td>PLS 101</td>
<td>3</td>
<td>This course is an introduction to the origin, organization and policy of the United States and state government. The course fulfills Missouri state law requiring instruction in the Constitutions of the United States and Missouri. Basic concepts of political science with major emphasis on origin, principles, organization, and nature of American federal system and its politics. POL 101 complies with provisions of Section 170.011 RSMo.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>American Government</td>
<td>POL 101</td>
<td>3</td>
<td>Introduction to American Politics surveys the American political system. Basic values, past and current Constitutional issues, government processes and institutions, and citizen rights are discussed in a modern framework. National, state, and local political issues are covered. Reading Proficiency.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introduction to American Politics</td>
<td>PSC 101</td>
<td>3</td>
<td>Survey course of the American government and political systems. Particular attention is given to the government's origins, politics, the branches of government, and policy making. The Missouri Constitution is included to meet the requirements of Senate Bill No. 4.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>American/National Government</td>
<td>POLS 101</td>
<td>3</td>
<td>This course is a survey of American political institutions on the national, state, and local levels. It deals with the basic philosophical foundations of these institutions, their organization, and function. Course readings, discussions, and tests comply with state requirements regarding the Missouri and federal constitutions.</td>
</tr>
</tbody>
</table>
The course is a survey of the Federal Government and the political system of the United States through its organization and function from colonial institutions through its present-day powerful development. This course satisfies the state legislative requirement for graduation.

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### Missouri Higher Education Core Transfer Curriculum

**MOTR COURSE NAME**

AMERICAN HISTORY I

**MOTR COURSE NUMBER**

MOTR HIST 101

**KNOWLEDGE AREA**

SOCIAL & BEHAVIORAL SCIENCES, CIVICS

**TRANSFER CREDITS**

3

**MOTR COURSE DESCRIPTION**

Introductory survey of the early history of the United States from the period of discovery of America by Europe to 1877. Students should be able to:

- Understand significant trends, movements, and events in American history.
- Identify and interpret primary and secondary sources, placing them in the context of their time and place and assessing them for reliability and point of view.
- Formulate historical arguments based on specific evidence from the sources.
- Demonstrate an understanding of historical chronology and respect the distinctive integrity of the past.
- Appreciate the multiple political, social, economic, and cultural dimensions of the human experience.
- Use historical analysis to evaluate cause and effect, comparisons and contrasts, and patterns of continuity and change over time.

This course meets instruction (RSMo 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>U.S. History I</td>
<td>HIST 0143</td>
<td>3</td>
<td>This course surveys the history of the United States from the European encounter to the end of the Civil War.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>United States History I</td>
<td>HIS 205</td>
<td>3</td>
<td>Survey of political, economic, and social development of the United States to 1877 including the development of the Missouri and U.S. Constitutions.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>US History 1492-1877</td>
<td>HIST 0110</td>
<td>3</td>
<td>Survey of the United States from colonial times to 1877. Meets the General Education requirement for all majors. Prerequisite: 17 or higher on the ACT Reading section or 15 hours completed with a GPA of 2.5 or higher.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Survey of the History of the United States to 1877</td>
<td>HST 121</td>
<td>3</td>
<td>Formation of the United States and its civilization from the Age of Discovery through the Reconstruction Era, with emphasis on the influence of the Frontier and the Native American, European and African heritages; the constitutional development of the federal government; the evolution of the nation's economic system, social fabric and diplomatic experiences.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>American History to 1877</td>
<td>HISTORY 1300</td>
<td>3</td>
<td>Survey of the history of the American colonies and United States from colonial times through Reconstruction.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>American History to 1865</td>
<td>HIS 140</td>
<td>3</td>
<td>The discovery of America to the end of the Civil War; colonial America, the Revolution, national development, sectionalism, and the Civil War.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>America – A Historical Survey</td>
<td>HIST 33-155</td>
<td>3</td>
<td>Now titled &quot;The United States to 1877&quot;–An introduction to the themes, events, people, issues, and debates in U.S. history from the earliest settlements through Reconstruction.</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>American History I</td>
<td>US 105</td>
<td>3</td>
<td>A study of the history of the United States from the colonial beginnings to 1877.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>US History I, 16071877</td>
<td>HIST 104</td>
<td>3</td>
<td>A survey of major themes and events in American history from European settlement though Reconstruction.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>History of the United States to 1877</td>
<td>HIST 1350</td>
<td>3</td>
<td>Survey of U.S. history from the age of exploration to 1877.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Survey of American History to 1865</td>
<td>HIST 1100</td>
<td>3</td>
<td>Introduction to U.S. history through the Civil War. surveying political, economic, social and cultural development of the American people. No credit will be given to students who have received credit In HIST 1400 (AP credit for US History).</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>American History to 1877</td>
<td>HISTORY 101</td>
<td>3</td>
<td>This course offers a broad survey of American history up to 1877.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>American Civilization</td>
<td>HIST 1001</td>
<td>3</td>
<td>Evolution of the cultural tradition of the Americas from the earliest times to the mid-nineteenth century, with emphasis on the relationship of ideas and institutions to the historical background. Course fulfills the state requirement.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Units</td>
<td>Description</td>
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</tr>
<tr>
<td>Crowder College</td>
<td>US History I</td>
<td>HIST 106</td>
<td>3</td>
<td>This introductory course surveys the development of American culture from the Colonial Period through Reconstruction. The growth of political, social and economic institutions is emphasized. Successful completion of History 106 at an accredited Missouri college fulfills the Missouri State requirements in constitutional study and partially fulfills Social &amp; Behavioral Science general education requirements. (Prerequisite: Reading at least at college level)</td>
</tr>
<tr>
<td>East Central College</td>
<td>US History to 1865</td>
<td>HI 1103</td>
<td>3</td>
<td>A survey of the cultural, economic, political, and social forces and events that have shaped the United States from the arrival of the first native peoples through the end of the Civil War. U.S. History 1103 complies with the provisions of Section 170.011 RSMo requiring the study of federal and state constitutions.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>US History I to Reconstruction</td>
<td>HST 103</td>
<td>3</td>
<td>U.S. History I to Reconstruction shows the development of the United States from Columbian contact through post-Civil War reconstruction. This course is designed to help students understand and function in their society. U.S. History I to Reconstruction fulfills the Missouri and U.S. Constitution requirements</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors U.S. History I to Reconstruction</td>
<td>HST 103H</td>
<td>3</td>
<td>U.S. History I to Reconstruction shows the development of the United States from Columbian contact through post-Civil War reconstruction. This course is designed to help students understand and function in their society. U.S. History I to Reconstruction fulfills the Missouri and U.S. Constitution requirements</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>United States History to 1865</td>
<td>HIST 120</td>
<td>3</td>
<td>Survey of American history and institutions from pre-Columbian times through the Civil War. Examines economic, social, cultural, intellectual, and political development. Federal and Missouri constitutions.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>American History I</td>
<td>HIS 1230</td>
<td>3</td>
<td>A survey of the political, economic, constitutional, diplomatic, social and cultural developments of the U.S. through the Reconstruction period. Partially fulfills Missouri state law requiring instruction in U.S. and Missouri constitutions.</td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>Survey of the History of the U.S. to 1877</td>
<td>HST 121</td>
<td>3</td>
<td>Formation of the United States and its civilization from the Age of Discovery through the Reconstruction Era, with emphasis on the influence of the Frontier and the Native American, European and African heritages; the constitutional development of the federal government; the evolution of the nation's economic system, social fabric and diplomatic experiences.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>American History to 1865</td>
<td>HST 105</td>
<td>3</td>
<td>This course is a survey of the economic, social, and diplomatic aspects of the United States from 1492 to the Civil War. A study of the federal and Missouri constitutions is included</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>American History to 1877</td>
<td>HI 103</td>
<td>3</td>
<td>A survey course of the history of the United States covering European backgrounds, the colonial and Constitution periods, national expansion and development through Reconstruction. (Meets the Constitutional Requirement). PREREQUISITE: Appropriate placement score or successful completion of DS 015.</td>
</tr>
</tbody>
</table>
| Ozarks Technical Comm. College        | U.S. History I: to 1865                | HST 120     | 3     | This course is a survey of the history of the United States from pre-Columbian societies through the Civil War, including formative political, social, economic and cultural developments. It also introduces students to history as an academic discipline and requires analysis, synthesis and evaluation of primary and
governmental sources. (Meets the Constitutional Requirement) PREREQUISITE: Appropriate placement score or successful completion of DS 015.                                                                                                                                                                                                                                                                 |

Updated February 28, 2018
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<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>St. Charles Community College</td>
<td>US History to 1877</td>
<td>HIS 101</td>
<td>3</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>United States History to 1865</td>
<td>HST 101</td>
<td>3</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>US History Before 1877</td>
<td>HIST 101</td>
<td>3</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>American History to 1877</td>
<td>HST 105</td>
<td>3</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>American History to 1877</td>
<td>HIST 111</td>
<td>3</td>
</tr>
</tbody>
</table>

- Survey of historical, cultural, political, economic, and institutional forces and events that shaped United States history through the period of Reconstruction. HIS 101 complies with provisions of Section 170.011 RSMo.

- United States History to 1865 surveys the cultural, economic, institutional, political, and social forces and events which have shaped the United States from the colonial period through the Civil War.

- Survey of the political, economic and social development of the United States from its European origins through the Reconstruction Process. A study of the Missouri Constitution is included to meet the state's requirements in Senate Bill No. 4.

- This course surveys political, cultural, economic, and social development of the United States from 15th century European exploration through reconstruction. Course readings, discussions, and tests comply with state requirements regarding the Missouri and federal constitutions.

- A general survey of the history of the United States from discovery and exploration through the Civil War and Reconstruction, emphasizing political, economic, social and cultural factors.

**Missouri Higher Education Core Transfer Curriculum**

- **MOTR COURSE NAME**: AMERICAN HISTORY II
- **MOTR COURSE NUMBER**: MOTR HIST 102
- **KNOWLEDGE AREA**: SOCIAL & BEHAVIORAL SCIENCES, CIVICS
- **TRANSFER CREDITS**: 3
### Introductory survey of United States history from 1877 to the present. Students should be able to:

- Understand significant trends, movements, and events in American history.
- Identify and interpret primary and secondary sources, placing them in the context of their time and place and assessing them for reliability and point of view.
- Formulate historical arguments based on specific evidence from the sources.
- Demonstrate an understanding of historical chronology and respect the distinctive integrity of the past.
- Appreciate the multiple political, social, economic, and cultural dimensions of the human experience.
- Use historical analysis to evaluate cause and effect, comparisons and contrasts, and patterns of continuity and change over time.

This course meets instruction (RSMo 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>U.S. History II</td>
<td>HIST 0144</td>
<td>3</td>
<td>Prerequisite: HIST 0143 This course covers major themes and events in American history since the Civil War.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>United States History II</td>
<td>HIS 206</td>
<td>3</td>
<td>Survey of political, economic, and social development of the United States since 1877 including changes in the Missouri and U.S. Constitutions.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>U.S. History 1877 to Present</td>
<td>HIST 0120</td>
<td>3</td>
<td>Survey of the economic, social, and political development of the United States from 1877 to the present. Meets the General Education requirement for all majors. Prerequisite: 17 or higher on the ACT Reading section or 15 hours completed with a GPA of 2.5 or higher.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Survey of US History Since 1877</td>
<td>HST 122</td>
<td>3</td>
<td>Modernization of the United States and its role in world affairs from the late 19th Century to the present, with emphasis on industrialization and urbanization and their impact on socioeconomic and international developments.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology.</td>
<td>American History Since 1877</td>
<td>HISTORY1310</td>
<td>3</td>
<td>Survey of the history of America since Reconstruction.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>American History Since 1865</td>
<td>HIS 150</td>
<td>3</td>
<td>Continuation of HIS 140. Reconstruction, industrialization, urbanization, emergence as a world power, progressivism, World War I, the New Deal, World War II, and postwar America.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>The United States Since 1877</td>
<td>HIST 33-156</td>
<td>3</td>
<td>An introduction to the themes, events, people, issues, and debates in U.S. history since Reconstruction.</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>American History II</td>
<td>US 107</td>
<td>3</td>
<td>A study of the history of the United States from 1877 to the present.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>United States History Il, 1877-p</td>
<td>HIST 105</td>
<td>3</td>
<td>A survey of major themes and events in United States history from the end of Reconstruction through the present.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
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<tr>
<td>University of Central Missouri</td>
<td>History of the US from 1877</td>
<td>HIST 1351</td>
<td>3</td>
<td>Survey of U.S. history from 1877 to present</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Survey of Amer. History Since 1865</td>
<td>HIST 1200</td>
<td>3</td>
<td>Introduction to U.S. history since 1865, surveying political, economic, social, and cultural development of the American people. No credit will be given to students who have received credit in HIST 1400 (AP credit for US History).</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>U.S. History Since 1877</td>
<td>HISTORY 102</td>
<td>3</td>
<td>This course covers American history from the end of Reconstruction to the present.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>American Civilization</td>
<td>HIST 1002</td>
<td>3</td>
<td>Continuation of HIST 1001 to the present. Course fulfills the state requirement. Either HIST 1001 or HIST 1002 taken separately.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>U.S. History II</td>
<td>HIST 107</td>
<td>3</td>
<td>History 107 surveys United States economic, social, political and diplomatic history from Reconstruction to the late twentieth century. Students successfully completing this course partially fulfill Social &amp; Behavioral Science general education requirements. (Prerequisite: Reading at least at college level) (Note: HIST 106 is not a prerequisite for HIST 107)</td>
</tr>
<tr>
<td>East Central College</td>
<td>U.S. History 1865-1945</td>
<td>HI 1203</td>
<td>3</td>
<td>A survey of the cultural, economic, political, and social forces and events that have shaped the history of the United States from Reconstruction through the end of World War II. U.S. History 1203 complies with the provisions of Section 170.011 RSMo requiring the study of the federal and state constitutions.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>U.S. History II from Reconstruction</td>
<td>HST 104</td>
<td>3</td>
<td>U.S. History II from Reconstruction shows the development of the United States reconstruction to the present. This course is designed to help students understand and function in their society. U.S. History II from Reconstruction fulfills the Missouri and U.S. Constitution requirements.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors U.S. History II from Reconstruction</td>
<td>HST 104H</td>
<td>3</td>
<td>U.S. History II from Reconstruction shows the development of the United States reconstruction to the present. This course is designed to help students understand and function in their society. U.S. History II from Reconstruction fulfills the Missouri and U.S. Constitution requirements.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>United States History Since 1865</td>
<td>HIST 121</td>
<td>3</td>
<td>Survey of American history and institutions from the Civil War to the present. Examines economic, social, cultural, Intellectual, and political development. Federal and Missouri constitutions.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>American History II</td>
<td>HIS 1240</td>
<td>3</td>
<td>American History II Prerequisite: Must have met one of the following: a minimum score of 18 on the ACT reading or eligible placement test score, or a minimum grade of C in RDG0900, ENG0990, or ENG0090, or have earned 24 college-level semester credit hours. A survey of the political, economic, constitutional, diplomatic, social and cultural developments of the U.S. from the Reconstruction period to the present.</td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>Survey of US History Since 1877</td>
<td>HST 122</td>
<td>3</td>
<td>Modernization of the United States and its role in world affairs from the late 19th Century to the present, with emphasis on industrialization and urbanization and their impact on socioeconomic and international developments.</td>
</tr>
<tr>
<td>College</td>
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<td>Course Code</td>
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</tr>
<tr>
<td>Moberly Area Community College</td>
<td>American History from 1865</td>
<td>HST 106</td>
<td>3</td>
<td>This course is a survey of the economic, social, and diplomatic aspects of the United States from 1865 to the present. A study of the federal and Missouri constitutions is included.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>American History Since 1877</td>
<td>HI 104</td>
<td>3</td>
<td>A continuation of HI 103. A survey course considering national growth and development, and the constantly broadening sphere of American participation in world affairs from Reconstruction to the present time.</td>
</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>U.S. History II: 1865 to Present</td>
<td>HST 130</td>
<td>3</td>
<td>This course is a survey of the history of the United States from Reconstruction to the present, covering the political, economic, social and cultural developments that have shaped modern America. It introduces students to history as an academic discipline and requires analysis, synthesis and evaluation of primary and secondary materials in reading, discussion and writing. Students taking both HST 120 and HST 130 will satisfy the Missouri state law requiring instruction in the United States and Missouri Constitutions.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>U.S. History Since 1877</td>
<td>HIS 102</td>
<td>3</td>
<td>Survey of the historical, cultural, political, economic, and institutional forces and events that shaped United States history from 1877 to present. HIS 102 complies with provisions of Section 170.011 RSMo.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>U.S. History from 1865 to Present</td>
<td>HST 102</td>
<td>3</td>
<td>United States History from 1865 to the Present surveys the cultural, economic, institutional, political and social forces and events which have shaped the United States from the Civil War to the present.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>US History Since 1877</td>
<td>HIST102</td>
<td>3</td>
<td>Survey of the political, economic, social, and military development of the United States from 1877 to the present. A study of the Missouri Constitution is included to meet the state's requirements in Senate Bill No. 4.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>American History from 1877 to Present</td>
<td>HST 110</td>
<td>3</td>
<td>This course surveys political, cultural, economic, and social development of the United States from the end of reconstruction and the settling of the West to present day. Course readings, discussions, and tests comply with state requirements regarding the Missouri and federal constitutions.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>American History Since 1877</td>
<td>HIST 112</td>
<td>3</td>
<td>A general survey of the history of the United States from the period of the growth of big business following the Civil War to the present day, stressing political, economic, and cultural factors in the growth of America.</td>
</tr>
</tbody>
</table>
Communications Knowledge Area

Written Communication: Objectives

State-level Goal
To prepare students to communicate effectively with writing that exhibits solid construction resulting from satisfactory planning, discourse, and review. Students will understand the importance of proficient writing for success in the classroom and the workforce.

Suggested Competencies
Students will demonstrate the ability to . . .

- Demonstrate critical and analytical thinking for reading, writing, and speaking.
- Compose sound and effective sentences.
- Compose unified, coherent and developed paragraphs.
- Understand and use a recursive writing process to develop strategies for generating, revising, editing and proofreading texts.
- Produce rhetorically effective discourse for subject, audience, and purpose.

Demonstrate effective research and information literacy skills

Written Communication: Courses

3 credit hours minimum

<table>
<thead>
<tr>
<th>MOTR Number</th>
<th>MOTR Title</th>
<th>Transfer Credits</th>
<th>Equivalent Courses</th>
<th>MOTR COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR ENGL 100</td>
<td>Composition I</td>
<td>3</td>
<td></td>
<td>In Composition I, students develop critical reading and writing processes through a series of essays that culminate in a research-supported assignment. Additionally, students learn to integrate expert and academic source material</td>
</tr>
</tbody>
</table>
and consider a variety of specific audiences as they practice developing and supporting claims. Rhetorical sensitivity and argumentation are refined as tools essential to convincing a modern, educated audience.

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MOTR ENGL 200</td>
<td>Composition II</td>
<td>3</td>
<td>Composition II continues the development of the writing skills established in Composition I. Typically, this course has an increased emphasis on writing to expert and academic audiences and introduces the ideas and patterns of discipline-specific knowledge, research, and writing techniques.</td>
</tr>
<tr>
<td>MOTR ENGL 110</td>
<td>Technical Writing</td>
<td>3</td>
<td>Technical Writing focuses on approaches to writing for specific audiences. The content involves critical analysis, information assessment, rhetorical expression, design, and discipline, subject, or task related styles. Specific applications such as business reports and proposals, science abstracts and reports, instruction manuals, brochures, and web sites are addressed.</td>
</tr>
</tbody>
</table>
## Missouri Higher Education Core Transfer Curriculum

### MOTR COURSE NAME
COMPOSITION I

### MOTR COURSE NUMBER
MOTR ENGL 100

### KNOWLEDGE AREA
WRITTEN COMMUNICATION

### TRANSFER CREDITS
3

### MOTR COURSE DESCRIPTION
In Composition I, students develop critical reading and writing processes through a series of essays that culminate in a research-supported assignment. Additionally, students learn to integrate expert and academic source material and consider a variety of specific audiences as they practice developing and supporting claims. Rhetorical sensitivity and argumentation are refined as tools essential to convincing a modern, educated audience.

<table>
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<tr>
<th>INSTITUTION</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>English Composition I</td>
<td>ENG 0110 I</td>
<td>3</td>
<td>Prerequisite: Evidence of college-level readiness in English composition. English Composition I emphasizes the process of writing effectively for a variety of audiences and purposes.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>English Composition &amp; Rhetoric I</td>
<td>ENG 101</td>
<td>3</td>
<td>A writing course that focuses on personal, descriptive, and narrative types of essay writing.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>College Composition I</td>
<td>ENG 0101</td>
<td>3</td>
<td>An introduction to the principles of college-level writing and critical thinking. Students will write a number of essays for a variety of purposes and audiences.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Writing I</td>
<td>ENG 110</td>
<td>3</td>
<td>ENG 110–An introduction to college-level writing in which students develop critical reading and writing skills. The emphasis in reading has students locating, evaluating, and synthesizing information in an analytical and ethical manner.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Exposition And Argumentation</td>
<td>ENGLISH</td>
<td>3</td>
<td>Practice in college level essay writing.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>College Writing and Rhetoric</td>
<td>ENG 104</td>
<td>3</td>
<td>Instruction in reading and writing; emphasizes expository prose. Fulfills first half of the general studies requirement in English composition.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Composition I: Academic Literacies</td>
<td>ENGL 10-111</td>
<td>3</td>
<td>Study and practice in reading and writing texts towards development of college-level academic literacies. Students will engage through writing and reading in knowledge-based inquiry and sustained critical thinking for the purpose of better understanding the subject or issue. Concepts taught will include academic rhetoric and argumentation, research and documentation.</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>English Composition</td>
<td>EN 100</td>
<td>3</td>
<td>Focus on techniques of effective written expression.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Writing as Critical Thinking</td>
<td>ENG 190</td>
<td>3</td>
<td>Writing as Critical Thinking requires students to read, think, and write carefully and critically, using instructor and peer response as well as self-assessment for revision. Students generate topics that are of interest to them as well as to the communities to which they belong, at Truman State University and beyond. Students are expected to anticipate the demands of various audiences and purposes as they explore questions and issues raised in readings and discussion. Academic honesty and the conventional use of academic sources are also expected, as is the skilled use of academic prose.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Composition I</td>
<td>ENGL 1020</td>
<td>3</td>
<td>The logic and rhetoric of expository writing.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Missouri Transfer Equivalent to Comp 1</td>
<td>ENGLISH 1010W</td>
<td>3</td>
<td>Equivalent to COMP 1 taken at a Missouri Institutions. For transfer purposes only in accordance with the Missouri Department of Higher Education standards for the 42 general education block. Guaranteed transfer course as part of Missouri transfer policies. Fulfills MU lower division Writing Intensive.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>English I: Introduction to Academic Prose</td>
<td>ENGLISH 110</td>
<td>3</td>
<td>This course introduces students to college-level reading, writing, and discourse analysis: it engages students in the analysis and creation of texts that reveal multiple perspectives about specific rhetorical situations and cultural issues. In addition to learning how to revise by analyzing their own writing, students will learn to edit their own work and use proper academic documentation.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Communications knowledge area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>English Composition</td>
<td>ENGL 101</td>
<td>3</td>
<td>The primary aim of this freshman writing course is to give students instruction and practice in writing mechanically correct, well organized, and well-developed.</td>
</tr>
</tbody>
</table>
East Central College

English Comp I
EN 1223 3

Composition I is designed to improve students critical thinking, reading, and writing skills. Emphasis is on the writing process and practice of textual analysis to produce academic essays. Comp I also addresses the fundamentals of argument, research and documentation.

Jefferson College

English Composition I
ENG 101 3

Composition I offers the student the opportunity to learn to write competent expository essays and to do preliminary research. Students will review grammar and mechanics, but the emphasis is on the writing process. English Composition I is required for all degrees.

Jefferson College

Honors Composition I
ENG 101H 3

Composition I offers the student the opportunity to learn to write competent expository essays and to do preliminary research. Students will review grammar and mechanics, but the emphasis is on the writing process. English Composition I is required for all degrees.

Metropolitan Community College

Composition and Reading I
ENGL 101 3

Focus on instruction in the composing process that includes exploration of ideas through reading, methods of writing development, and use of writing conventions. Instruction takes students from reflective expression to critical analysis through writing.

Mineral Area College

English Composition I
ENG 1330 3

English Composition I is a purpose-based writing course designed to guide the student through writing based on the rhetorical situation. Importance is placed on mastery of writing necessary to the student's education and career. Emphasis will be placed on critical thinking necessary to a writing process and producing clear, organized and well-developed writing. Instruction will also include basic research skills, MLA guidelines, mechanics, usage and grammar.

Missouri State Univ.-West Plains

Writing I
ENG 110 3

ENG 110—An introduction to college-level writing in which students develop critical reading and writing skills. The emphasis in reading has students locating, evaluating, and synthesizing information in an analytical and ethical manner. The emphasis in writing develops students' understanding of the ways writers generate and express ideas of different purposes to various kinds of audiences across a range of context, including social, academic, and professional. Students work on argumentation, rhetorical analysis, and editing for clarity, style, and conventions.

Moberly Area Community College

Composition I
LAL 101 3

This course teaches the process of writing, from prewriting to revision. Focus is on reading and critical thinking, essay writing, and literary analysis. Course provides practice in computer-assisted writing and oral communication.

North Central Missouri College

English I
EN 101 3

An introduction to expository and argumentative writing, emphasizing reading, critical thinking and analytical writing skills. Several short papers are assigned, with emphasis on the writing process.

Ozarks Technical Comm. College

Composition I
ENG-101 3

English 101 introduces students to college-level writing and thinking through personal narrative, analytical, and research-supported writing. The processes of
<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozarks Technical Community College</td>
<td>Composition I with Support</td>
<td>ENG 100/100A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>English 100 introduces students to college-level writing and thinking through personal narrative, analytical and research-supported writing. The processes of critical thinking, composing, revising and editing are emphasized. Students will learn basic research skills and documentation techniques. English 100 will be driven by the same course objectives as English 101, and satisfy the same requirement. The course design will provide students with more time, support, and individualized instruction to accomplish those objectives. English 100A: This course supports students concurrently enrolled in ENG 100 by providing individualized instruction and practice in college-level writing, analytical reading, and critical thinking. Must be taken concurrently with ENG 100.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>English Composition I</td>
<td>ENG 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>College-level writing course required for all other college-level writing classes. Emphasizes essay structure, ways of organizing information, and use of sources. Basic research skills and critical thinking skills as integral part of course.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>College Composition I</td>
<td>ENG 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course primarily focuses on the development of writing techniques. Students will develop effective writing styles, writing processes, revision practices, and analytical skills.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>English Composition I</td>
<td>ENGL 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Emphasizes planning, drafting and revising along with critical thinking and information management skills and their role in communicating concise written ideas to a range of audiences for a variety of purposes. Basic computer skills are essential for successful completion.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>English Composition</td>
<td>COM 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course is for students to progress their college-level writing skills by practicing the writing process, including prewriting, writing, revising, and editing. Emphasis will be placed on distinguishing between fact and opinion, supporting opinions with facts, and organizing ideas in a logical manner. Students will progress from basic to more complex essays utilizing a variety of rhetorical modes and understanding the basic components of research.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>College Writing</td>
<td>ENGL 111</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course introduces students to college level writing and establishes standards for writing essays in the rhetorical modes. Expository writing is used as a basis for study and discussion with extensive practice in reading critically and improving essays through revision. Students will also learn to conduct research using library and internet sources following MLA guidelines. Students should have basic keyboarding skills.</td>
<td></td>
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</tbody>
</table>
Missouri Higher Education Core Transfer Curriculum

**MOTR COURSE NAME** | COMPOSITION II  
---|---  
**MOTR COURSE NUMBER** | MOTR ENGL 200  
**KNOWLEDGE AREA** | WRITTEN COMMUNICATION  
**TRANSFER CREDITS** | 3  
**MOTR COURSE DESCRIPTION**
Composition II continues the development of the writing skills established in Composition I. Typically, this course has an increased emphasis on writing to expert and academic audiences and introduces the ideas and patterns of discipline-specific knowledge, research, and writing techniques.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>English Composition II</td>
<td>ENG 0110 II</td>
<td>3</td>
<td>Prerequisite: ENG 0110I English Composition II builds upon the skills developed in English Composition I and focuses primarily upon the process of writing with sources.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Composition &amp; Rhetoric II</td>
<td>ENG 102</td>
<td>3</td>
<td>A writing course that focuses on argumentative and persuasive writing, with a limited introduction to research and the fundamentals of literary analysis.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>College Composition II</td>
<td>ENG 0102</td>
<td>3</td>
<td>College Composition II Writing Intensive. Continued development of writing skills. Emphasizes writing from sources. Initiation, development and completion of a research paper.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Writing II: Writing Across the Disciplines</td>
<td>ENG 210</td>
<td>3</td>
<td>Practice in the writing and research of various disciplinary fields of study; experience with integrating and applying academic forms to specific problems and situations. Includes the study of ways knowledge is made and expressed in various disciplines.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Writing II: Writing for the Professions</td>
<td>ENG 221</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP Students apply discipline-specific knowledge to a variety of writing situations encountered by professionals: correspondence, proposals, documented research reports, abstracts, definitions, product and process descriptions. Projects emphasize developing skills in audience analysis, including multicultural considerations; analytical reading;</td>
</tr>
<tr>
<td>Institution</td>
<td>Course</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------------------</td>
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</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Writing and Research</td>
<td>ENGLISH 1160</td>
<td>3</td>
<td>Practice in techniques of analytical writing and methods of research.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>College Writing and Research</td>
<td>ENG 108</td>
<td>3</td>
<td>Instruction in college-level research and rhetoric: continued practice in college-level writing. Fulfills second half of the General Studies requirement in English composition.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Honors Composition and Rhetoric</td>
<td>ENG 112</td>
<td>3</td>
<td>UNDER FACULTY REVIEW An enriched course on rhetoric, argument, and academic research open to students who achieve superior scores on the Writing Placement Examination (WPE) administered by the Department of English and Modern Languages, or who score 26 or higher on the ACT English subtest. This course fulfills the English composition requirement for basic skills in general studies for four-year degree programs.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Composition II: Writing as Engagement</td>
<td>ENGL 10-112</td>
<td>3</td>
<td>Study and practice of writing as a form of engagement in public and personal contexts. Builds on skills practiced in English 111 (academic rhetoric, argumentation, research, and documentation) while broadening the contexts in which these skills are used. Students will complete an extensive writing project which may incorporate various forms of writing and other media.</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>Rhetoric and Critical Thinking</td>
<td>EN 140</td>
<td>3</td>
<td>Focus on effective written expression in the context of a liberal education; emphasis upon critical thinking and the research paper. Prerequisite: EN 100 or advanced placement.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Communications knowledge area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Composition II</td>
<td>ENGL 1030</td>
<td>3</td>
<td>Advanced writing involving research and the construction of academic arguments.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Exposition and Argumentation</td>
<td>ENGLISH 1000</td>
<td>3</td>
<td>Stresses writing as a process, with due attention given to critical reading and thinking skills applicable to all college classes, as well as to invention, drafting, revising, and rewriting.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>English II: Intermediate Academic Prose</td>
<td>ENGLISH 225</td>
<td>3</td>
<td>This course extends the work of ENGLISH 110 with an additional emphasis on research. Each section of ENGLISH 225 uses a combination of book-length and shorter texts on focus on specific historical and/or cultural issues. As they learn to participate in scholarly conversations, students will find and evaluate library and internet sources. As with ENGLISH 110, this course emphasizes revision, editing, and proper academic documentation.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>First-Year Writing</td>
<td>ENGL 1100</td>
<td>3</td>
<td>Integrates critical reading, writing, and thinking skills and studies actual writing practices. Sequenced reading and writing assignments build cumulatively to more complex assignments. Includes formal and informal writing, drafting and revising, editing for correctness, synthesizing source material, and documenting sources.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crowder College</td>
<td>Advanced English Composition</td>
<td>ENGL 102</td>
<td>3</td>
</tr>
<tr>
<td>East Central College</td>
<td>English Composition II</td>
<td>EN 1333</td>
<td>3</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>English Composition II</td>
<td>ENG 102</td>
<td>3</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors Composition II</td>
<td>ENG 102H</td>
<td>3</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Composition and Reading II</td>
<td>ENGL 102</td>
<td>3</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>English Composition II</td>
<td>ENG 1340</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>Writing II: Academic Writing</td>
<td>ENG 210</td>
<td>3</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Composition II</td>
<td>LAL 102</td>
<td>3</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>English II</td>
<td>EN 102</td>
<td>3</td>
</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>Composition II</td>
<td>ENG 102</td>
<td>3</td>
</tr>
</tbody>
</table>

This writing course continues the study of clearly effective written expository prose for those who have successfully completed English 101. In addition, students advance to study more complex methods of thesis development, particularly argument. Research and documentation procedures are integral subject matter. English Composition II is a second course in composition focused on in-depth critical thinking, reading, and writing. Students will write analytically, utilizing argumentation and research skills, while examining a wide range of literature. English Composition II continues the study of the writing process stressed in Composition I. Students will practice reading and writing critically and analytically, writing exposition, persuasion/argumentation, and the research paper. English Composition II continues the study of the writing process stressed in Composition I. Students will practice reading and writing critically and analytically, writing exposition, persuasion/argumentation, and the research paper. 102 COMPOSITION & READING II: Students are asked to analyze and evaluate persuasive essays for the writer's use of logical thinking. Students will develop research skills for the purpose of creating documented essays that reflect critical thinking and logical argument. Emphasizes argument, critical thinking, research and documentation. Students will be expected to read critically and synthesize information cogently and effectively. Study practice of the discourse conventions of academic writing about public affairs from the perspective of an educated person. Preparation for writing within disciplines. Students are introduced to research writing through originality, organization, and persuasion. Focus is on critical thinking when conducting research, considering sources, and synthesizing information. A continuation of EN 101, emphasizing longer and more impersonal and critical writing forms. Organizational skills are developed through the outline and summary units; analytical reading and critical thinking are stressed. A thorough use of library and online resources is required for the bibliography unit and the final research paper. This course continues developing students' abilities to use research and writing to make informed conclusions. In addition, the course develops students' skills to communicate these conclusions to professional and expert audiences. Emphasis is placed on honing skills of audience analysis, analytical reading, critical thinking, research methods, and persuasive writing. Also, this course will introduce students to patterns and conventions of multiple disciplinary communities.
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Charles Community College</td>
<td>English Composition II</td>
<td>3</td>
<td>Advanced college-level writing course emphasizing analysis and in-depth research. Critical reading and thinking skills as well as library skills are an integral part of this course.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>College Composition II</td>
<td>3</td>
<td>This course builds on knowledge and skills learned in ENG 101 and primarily focuses on argumentative and persuasive writing techniques. Students will develop effective writing processes, writing styles, research abilities, analytical skills, and argumentative tools.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>English Composition II</td>
<td>3</td>
<td>Combines the process writing techniques acquired in ENGL 101 with higher-order reasoning and advanced research skills to communicate ideas in meaningful and effective writing. Basic computer skills are essential for successful completion.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>English Composition Writing the Research Paper</td>
<td>3</td>
<td>This course is for students to continue developing composition skills. This course stresses writing as a process designed to teach students to find and use library and online resources, to analyze reading materials, to organize and present information accurately, and to cite research sources correctly.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>College Writing</td>
<td>3</td>
<td>This course focuses on extended critical inquiry, in-depth library and electronic research, and extensive practice with argumentative academic writing. Students will apply concepts of critical thinking to argumentative and persuasive communication. In addition, students will apply appropriate research and documentation techniques and evaluate source materials.</td>
</tr>
</tbody>
</table>

### Oral Communication: Objectives

**State-level Goal**  
To prepare students to communicate effectively with oral presentations that demonstrate appropriate planning and expressive skills. Students will understand the role of public speaking for success in the classroom and society.

**Suggested Competencies**  
Students will demonstrate the ability to . . .

- Use productive imagination for the discovery and evaluation of appropriate arguments relating to a chosen topic through effective research.
- Will demonstrate they understand the basic process of audience analysis;
- Use, identify, and create speeches for different types of speaking purposes,
- Demonstrate effective preparation skills in the organization of speeches into three appropriate sections and preparing each section using the appropriate information and transitions between information and sections.
- Utilize and understand the patterns of organization to structure information for each specific type of speech. Students will use
parallel ideas and information on different levels of abstraction in these patterns.

- Demonstrate effective skill at composing and developing arguments with appropriate support that is unified, coherent and fully developed utilizing the tenets of good writing and research.
- Understand the complex issue of good delivery and show improved personal confidence and the ability to manage communication apprehension.
- Demonstrate effective listening skills as it relates to critical understanding of speech topics and critique of that speaking.
- Demonstrate that they understand and take part in ethical speaking and listening during presentations.
- Understand communication ethics for both speech preparation and critiquing of peer speeches by utilizing responsible research and citing sources, preparing speeches with integrity when dealing with information and sources, and using emotional and logical appeals responsibly.

Students will demonstrate and understand the role of public speaking in citizenry and how public speaking can contribute to success in the classroom and society.

### Oral Communication: Courses

<table>
<thead>
<tr>
<th>MOTR Number</th>
<th>MOTR Title</th>
<th>Transfer Credits</th>
<th>Equivalent Courses</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COMM 100</td>
<td>Introduction to Communications</td>
<td>3</td>
<td></td>
<td>Introduces students to the study and practice of communication. This broad-based course addresses application, research, and theory in areas such as interpersonal, intercultural, intrapersonal, mass, mediated, organizational, public address, etc. Students must demonstrate conceptual understanding of the spectrum of content and application in one or more topic areas.</td>
</tr>
<tr>
<td>MOTR COMM 110</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
<td></td>
<td>Introduces students to the basic elements of public speaking with an emphasis on the construction, delivery, and evaluation of speeches. Students will learn to research and outline speeches; improve verbal and nonverbal delivery; and to listen critically. Students must present using a range of speech forms and types.</td>
</tr>
<tr>
<td>MOTR COMM 120</td>
<td>Interpersonal Communication</td>
<td>3</td>
<td></td>
<td>Introduces students to the principles of interpersonal communication within a variety of contexts. Representative topics include: perception; self-concept development; verbal &amp; nonverbal communication; effective listening techniques; conflict resolution; and sensitivity to cultural and gender differences. Students must demonstrate conceptual understanding of the content spectrum and application in one or more topic areas.</td>
</tr>
<tr>
<td>MOTR COMM 125</td>
<td>Small Group Communication</td>
<td>3</td>
<td></td>
<td>Focuses on the processes and skills required to effectively engage in small group communication. Topics include group development, group roles,</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
### MOTR COMM 220  
**Argumentation & Debate**

<table>
<thead>
<tr>
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<th>3</th>
</tr>
</thead>
</table>

This course focuses on the discovery, support, and critical evaluation of intelligent arguments and decisions as well as the exchange and debate of positions taken. Studies include argument, evidence, reasoning, and oral advocacy as well as investigation, research, and critical analysis of claims and establishment of truth through proof. Students develop and refine skills in the construction, delivery, and evaluation of arguments.

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### Oral Communication  
**COURSE EQUIVALENCIES**

#### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>INTRODUCTION TO COMMUNICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR COMM 100</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>ORAL COMMUNICATION</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
</tbody>
</table>

Introduces students to the study and practice of communication. This broad-based course addresses application, research, and theory in areas such as interpersonal, intercultural, intrapersonal, mass, mediated, organizational, public address, etc. Students must demonstrate conceptual understanding of the spectrum of content and application in one or more topic areas.
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Introduction to Human Communication</td>
<td>COMM 0101</td>
<td>3</td>
<td>An introductory survey of the field of communication, exploring theoretical and</td>
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<td>research foundations. Included are discussions of language and verbal interaction</td>
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<td></td>
<td></td>
<td>and nonverbal communication. Contexts of communication are covered: interpersonal,</td>
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<td>group and organizational, public, intercultural, and mass. Also covered will be</td>
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<td></td>
<td></td>
<td>career opportunities for students who choose a major or minor in communication.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Fundamentals of Oral Communication</td>
<td>COM 29102</td>
<td>3</td>
<td>An overview of the theory and guided practice of the skills utilized in intrapersonal,</td>
</tr>
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<td></td>
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<td>interpersonal, group and public communication. The student will perform an</td>
</tr>
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<td></td>
<td></td>
<td>interview, small group discussion, informative speech and persuasive speech.</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Fundamentals of Oral Communication</td>
<td>COMM 1050</td>
<td>3</td>
<td>Provides the student with the opportunity to understand and practice the lifelong</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>process toward communication competency in three specific contexts: interpersonal,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>small group, and presentational settings.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Principles of Communication</td>
<td>COMM-ST 140</td>
<td>3</td>
<td>An interdisciplinary introduction to the study of contemporary communication studies</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>including a consideration of intrapersonal, interpersonal and public communication.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lecture. For non-majors only.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Communications knowledge area.</td>
</tr>
<tr>
<td>College</td>
<td>Equivalent Course</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Communications knowledge area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Oral Communications</td>
<td>COM 101</td>
<td>3</td>
<td>A fundamentals of speech course designed to develop student improvement in the critical understanding of ideas about communication as well as the critical issues of our time, and subsequently to improve individual communication skills. Intended to meet the DESE communications requirement for education majors.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Fundamentals of Communication</td>
<td>COM 100</td>
<td>3</td>
<td>Fundamentals of Communication involves the student in all forms of communication: intrapersonal communication, interpersonal communication, small group communication, mass communication, and public speaking. Fundamentals of Communication requires tests and activities demonstrating understanding of the principles of all types of communication and one speech demonstrating skill in persuasive speaking. This course satisfies the general education communication requirement.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors Fundamentals of Communication</td>
<td>COM 100H</td>
<td>3</td>
<td>Fundamentals of Communication involves the student in all forms of communication: intrapersonal communication, interpersonal communication, small group communication, mass communication, and public speaking. Fundamentals of Communication requires tests and activities demonstrating understanding of the principles of all types of communication and one speech demonstrating skill in persuasive speaking. This course satisfies the general education communication requirement.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Fundamentals of Human Communication</td>
<td>COMM 102</td>
<td>3</td>
<td>An introduction to the process of human communication covering the basic forms of public speaking as well as topics in interpersonal communication. This course will emphasize the practical application of speaking and listening skills.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Communications knowledge area.</td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Communications knowledge area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Communications knowledge area.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Communications knowledge area.</td>
</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>Introduction to Communication</td>
<td>COM 100</td>
<td>3</td>
<td>This course provides an introduction to the study of communication, including interpersonal communication, small group dynamics, and public speaking.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Oral Communication</td>
<td>SPE 101</td>
<td>3</td>
<td>Focus on importance of communication competence in a variety of situations. Topics include verbal and nonverbal communication, listening, perception, self-concept, small group communication, and public speaking. Students required to prepare and present three to four graded oral presentations.</td>
</tr>
<tr>
<td>College</td>
<td>Course</td>
<td>Code</td>
<td>Credits</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Oral Communication I</td>
<td>COM 101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Oral Communications</td>
<td>COM 111</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Human Communication</td>
<td>SCOM 101</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

This is the basic course in speech communication. It offers students an opportunity to explore effective one-to-one, small group, and large group oral communication processes. Emphasis is placed on a theoretical/conceptual approach as well as skill development and application or oral communication concepts to various communication settings and relationships. Prerequisites: Reading Proficiency and concurrent enrollment in RDG 030 or ENG 070.

Students transferring to this institution will receive three (3) credits in the Communications knowledge area.

A study and practice of interpersonal and group communications skills focusing upon the development and improvement of communication. Topics include verbal and nonverbal techniques, listening skills, professional presentations, conflict resolution, and group dynamics.

This course is designed to introduce students to both the theories and application of oral communication. Students are instructed in interpersonal, group, organizational, and public communication contexts. A variety of exercises give students the opportunity to recognize and advance basic communication skills.

---

**CORE 42**

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>FUNDAMENTALS OF PUBLIC SPEAKING</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR COMM 110</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>ORAL COMMUNICATION</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>Introduces students to the basic elements of public speaking with an emphasis on the construction, delivery, and evaluation of speeches. Students will learn to research and outline speeches; improve verbal and nonverbal delivery; and to listen critically. Students must present using a range of speech forms and types.</td>
</tr>
<tr>
<td>INSTITUTION</td>
<td>COURSE NAME</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Harris-Stowe State University</td>
<td>Introductory Public Speaking</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Fundamentals of Speech</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Fundamentals of Public Speaking</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Principles of Speech</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Fund. Of Effective Speaking &amp; Listening</td>
</tr>
<tr>
<td></td>
<td>An introduction to the dimensions of effective platform speaking with special emphasis on developing critical listening skills. Lecture, performance, and discussion.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introduction to Public Speaking</td>
</tr>
<tr>
<td></td>
<td>Theories and techniques of organization, argumentation, persuasion and delivery in public speaking.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Fundamentals of Speech</td>
</tr>
<tr>
<td></td>
<td>Fundamentals of Speech is an introduction to the fundamentals of effective public speaking and listening. The course is designed to develop confidence in self-expression and interpersonal communications. Communications 104 includes preparing, organizing and delivering oral messages within a variety of real life situations of communication. Audience analysis, the listening process and clarity of expression are emphasized.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td></td>
<td>An introduction to the basic elements of public speaking. Assignments include the presentation of speeches, preparation of outlines, and the discussion of evaluation techniques.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td></td>
<td>Public Speaking develops the student’s ability in the construction and delivery of informative, persuasive, and special occasion platform speeches. Public Speaking satisfies the general education communication requirement. This is a preferred course for those going into teacher education.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Fundamentals of Speech</td>
</tr>
<tr>
<td></td>
<td>An introductory public speaking course including practical application of speaking and listening skills. The emphasis will be on the organization and delivery of subject matter.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td></td>
<td>Emphasizes effective communication in public situations through the design and delivery of informal speeches, open forum discussions and practice in impromptu and extemporaneous speaking.</td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>Fundamentals of Public Speaking</td>
</tr>
<tr>
<td></td>
<td>Instruction and practice in researching, composing, and delivering formal and informal speeches in a variety of public contexts. Representative topics include: ethics in public speaking; listening; library research; outlining; delivery; writing in an oral style; evaluation of public address; and analyzing and adapting to audiences. The course emphasizes informative and persuasive speaking.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td></td>
<td>This course studies the role of speaking in communication in both formal and informal situations. The course includes a study of the communication process, the role of the listener, methods of speech organization, informative and persuasive techniques, and effective delivery.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Speech Communications</td>
</tr>
<tr>
<td></td>
<td>Learn how to better think and act as a public speaker by preparing the presenting speeches. Application of content and self-assessment are principle learning strategies in this introductory course. The message-creation process stresses thinking broadly and deeply about the subject. The delivery approach emphasizes interactive skills and attitudes.</td>
</tr>
<tr>
<td>College</td>
<td>Course Name</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Public Speaking</td>
</tr>
</tbody>
</table>
## Natural Sciences Knowledge Area

### Natural Sciences: Objectives

**State-level Goal**
To develop students' understanding of the principles and laboratory procedures of the natural sciences (Life and Physical) and to cultivate their abilities to apply the empirical methods of scientific inquiry. Students should understand how scientific discovery changes theoretical views of the world, informs our imaginations, and shapes human history. Students should also understand that science is shaped by historical and social contexts.

### Suggested Competencies

Students will demonstrate the ability to . . .
- Explain how to use the scientific method and how to develop and test hypotheses in order to draw defensible conclusions.
- Evaluate scientific evidence and argument.
- Describe the basic principles of the natural world.
- Describe concepts of the nature, organization, and evolution of living systems.
- Explain how human interaction(s) affect living systems and the environment

### Natural Sciences: Courses

Updated February 28, 2018
7 credits minimum, from at least two disciplines, one of which must have an associated lab component.

**Essential** refers to courses that give an overview of that area and are intended for students who will not take another course in that field.

<table>
<thead>
<tr>
<th>MOTR Number</th>
<th>MOTR Title</th>
<th>Transfer Credits</th>
<th>Equivalent Courses</th>
<th>MOTR COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR ASTR 100</td>
<td>Astronomy</td>
<td>3</td>
<td></td>
<td>A lecture course in introductory astronomy that studies the Earth, Solar System, stars, galaxies and other selected topics.</td>
</tr>
<tr>
<td>MOTR ASTR 100L</td>
<td>Astronomy with Lab</td>
<td>4</td>
<td></td>
<td>A lecture and laboratory course in introductory astronomy that studies the Earth, Solar System, stars, galaxies and other selected topics.</td>
</tr>
<tr>
<td>MOTR BIOL 100</td>
<td>Essentials in Biology</td>
<td>3</td>
<td></td>
<td>Lecture course for non-science majors that will not take another biology course but would like a survey of the concepts in the discipline. Content emphasizes biology fundamental concepts and topics including the relevance of biology to contemporary issues in human society and problem-solving.</td>
</tr>
<tr>
<td>MOTR BIOL 100L</td>
<td>Essentials in Biology with Lab</td>
<td>4</td>
<td></td>
<td>Lecture and laboratory course for non-science majors that will not take another biology course but would like a survey of the concepts in the discipline. Content emphasizes the fundamental concepts of biology and topics including the relevance of biology to contemporary issues in human society and problem-solving.</td>
</tr>
<tr>
<td>MOTR BIOL 150</td>
<td>Biology</td>
<td>3</td>
<td></td>
<td>Biology lecture course for majors that will take other biology courses. This course emphasizes the unifying principles of biology, including chemistry of biomolecules, cell theory, genetics, evolutionary theory, ecology, organismal biology and scientific inquiry. This course may be comprehensive or provide in-depth study within a subset of the unifying principles of biology.</td>
</tr>
<tr>
<td>MOTR BIOL 150L</td>
<td>Biology with Lab</td>
<td>4</td>
<td></td>
<td>Biology lecture and laboratory course for majors that will take other biology courses. This course emphasizes the unifying principles of biology, including chemistry of biomolecules, cell theory, genetics, evolutionary theory, ecology, organismal biology and scientific inquiry. This course may be comprehensive or provide in-depth study within a subset of the unifying principles of biology.</td>
</tr>
<tr>
<td>MOTR CHEM 100</td>
<td>Essentials in Chemistry</td>
<td>3</td>
<td></td>
<td>Lecture course for non-science majors that will not take another chemistry course but would like a survey of the concepts in the discipline. Content emphasizes chemistry fundamental concepts and applications including scientific measurements and problem-solving.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
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<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>MOTR CHEM 100L</td>
<td>Essentials in Chemistry with Lab</td>
<td>4</td>
<td>Lecture and laboratory course for non-science majors that will not take another chemistry course but would like a survey of the concepts in the discipline. Content emphasizes chemistry fundamental concepts and applications including scientific measurements and problem-solving.</td>
<td></td>
</tr>
<tr>
<td>MOTR CHEM 150</td>
<td>Chemistry I</td>
<td>3</td>
<td>Chemistry lecture course for majors that will take other chemistry courses. This course is generally the first course in a two-course sequence. This course emphasizes modern atomic theory, structure and behavior of atoms and molecules, physical properties of matter, chemical reactions and energy relations, periodicity, the mole concept and its applications, and scientific measurements.</td>
<td></td>
</tr>
<tr>
<td>MOTR CHEM 150L</td>
<td>Chemistry with Lab</td>
<td>4</td>
<td>Chemistry lecture course for majors that will take other chemistry courses. This course is generally the first course in a two-course sequence. This course emphasizes modern atomic theory, structure and behavior of atoms and molecules, physical properties of matter, chemical reactions and energy relations, periodicity, the mole concept and its applications, and scientific measurements.</td>
<td></td>
</tr>
<tr>
<td>MOTR GEOG 100</td>
<td>Physical Geography</td>
<td>3</td>
<td>A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized.</td>
<td></td>
</tr>
<tr>
<td>MOTR GEOG 100L</td>
<td>Physical Geography with Lab</td>
<td>4</td>
<td>An introductory lecture and laboratory course of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized.</td>
<td></td>
</tr>
<tr>
<td>MOTR GEOL 100</td>
<td>Geology</td>
<td>3</td>
<td>An introductory lecture course in physical geology that studies the materials, structure, and surface features of the Earth and the processes which have shaped it.</td>
<td></td>
</tr>
<tr>
<td>MOTR GEOL 100L</td>
<td>Geology with Lab</td>
<td>4</td>
<td>An introductory lecture and laboratory course in physical geology that studies the materials, structure, and surface features of the Earth and the processes which have shaped it.</td>
<td></td>
</tr>
<tr>
<td>MOTR LIFS 100</td>
<td>Essentials in Human Biology</td>
<td>3</td>
<td>Lecture course for non-science majors that will not take another biology course but would like a survey of the concepts in the discipline. Content emphasizes biology fundamental concepts and topics including the relevance of biology to contemporary issues in human society and problem-solving.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Description</td>
<td></td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>MOTR LIFS 100L</td>
<td>Essentials in Human Biology with Lab</td>
<td>4</td>
<td>Lecture and laboratory course for non-science majors that will not take another biology course but would like a survey of the concepts in the discipline. Content emphasizes the fundamental concepts of biology and topics including the relevance of biology to contemporary issues in human society and problem-solving.</td>
<td></td>
</tr>
<tr>
<td>MOTR LIFS 150</td>
<td>Human Biology</td>
<td>3</td>
<td>Lecture course for majors that will take further courses in the Life Sciences. The course contains basic concepts related to human biology including homeostatic mechanisms of the chemicals, cellular reproduction, genetics, anatomy and physiology of the human.</td>
<td></td>
</tr>
<tr>
<td>MOTR LIFS 150L</td>
<td>Human Biology with Lab</td>
<td>4</td>
<td>Lecture and laboratory course for majors that will take further courses in the Life Sciences. The course contains basic concepts related to human biology including homeostatic mechanisms of the chemicals, cellular reproduction, genetics, anatomy and physiology of the human.</td>
<td></td>
</tr>
<tr>
<td>MOTR PHYS 100</td>
<td>Essentials in Physics</td>
<td>3</td>
<td>Lecture course for non-science majors that will not take another physics course but would like a survey of the concepts in the discipline. Content emphasizes fundamental concepts and symbolism of physics with applications to everyday life. Topics include mechanics, heat, light, sound, electricity, magnetism, and some modern developments.</td>
<td></td>
</tr>
<tr>
<td>MOTR PHYS 100L</td>
<td>Essentials in Physics with Lab</td>
<td>4</td>
<td>Lecture and laboratory course for non-science majors that will not take another physics course but would like a survey of the concepts in the discipline. The laboratory portion reinforces topics discussed in lecture by utilizing hands-on experimentation. Content emphasizes fundamental concepts and symbolism of physics with applications to everyday life. Topics include mechanics, heat, light, sound, electricity, magnetism, and some modern developments.</td>
<td></td>
</tr>
<tr>
<td>MOTR PHYS 110</td>
<td>Essentials in Physical Sciences</td>
<td>3</td>
<td>Lecture course for non-science majors that will not take another physical science course but would like a survey of the concepts in the discipline. Content emphasizes classical physics, energy, matter and heat, wave behavior, electricity and magnetism, modern physics (the atom and nucleus), geology, and astronomy.</td>
<td></td>
</tr>
<tr>
<td>MOTR PHYS 110L</td>
<td>Essentials in Physical Sciences with Lab</td>
<td>4</td>
<td>Lecture and laboratory course for non-science majors that will not take another physical science course but would like a survey of the concepts in the discipline. The laboratory portion reinforces topics discussed in lecture by utilizing hands-on experimentation. Content emphasizes classical physics, energy, matter and heat, wave behavior, electricity and magnetism, modern physics (the atom and nucleus), geology, and astronomy.</td>
<td></td>
</tr>
<tr>
<td>MOTR PHYS 150</td>
<td>Physics I</td>
<td>3</td>
<td>A non-calculus physics lecture course. Includes the study of mechanics, heat, sound and other selected topics.</td>
<td></td>
</tr>
<tr>
<td>MOTR COURSE NAME</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>COURSE DESCRIPTION</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
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<td>--------------------</td>
<td></td>
</tr>
<tr>
<td>MOTR PHYS 150L</td>
<td>Physics I with Lab</td>
<td>4</td>
<td>A non-calculus physics lecture and lab course. Includes the study of mechanics, heat, sound and other selected topics.</td>
<td></td>
</tr>
<tr>
<td>MOTR PHYS 200L</td>
<td>Advanced Physics I with Lab</td>
<td>4</td>
<td>A calculus-based physics lecture and lab course generally taken by physical science and engineering students. Includes the study of mechanics, waves, thermodynamics and other</td>
<td></td>
</tr>
</tbody>
</table>

### Natural Sciences COURSE EQUIVALENCIES

**Missouri Higher Education Core Transfer Curriculum**

- **MOTR COURSE NAME**: ASTRONOMY
- **MOTR COURSE NUMBER**: MOTR ASTR 100
- **KNOWLEDGE AREA**: NATURAL SCIENCES
- **TRANSFER CREDITS**: 3
- **MOTR COURSE DESCRIPTION**: A lecture course in introductory astronomy that studies the Earth, Solar System, stars, galaxies, and other selected topics.

**INSTITUTION** | **COURSE NAME** | **COURSE NUMBER** | **TRANSFER CREDITS** | **COURSE DESCRIPTION**
---|---|---|---|---
Harris-Stowe State University | No equivalent course | N/A | 3 | Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lincoln University</td>
<td>Introductory Astronomy</td>
<td>PHY 105</td>
<td>3</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Descriptive Astronomy</td>
<td>PHYS 0130</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Modern Astronomy</td>
<td>AST 113</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Survey of Astronomy</td>
<td>AST 114</td>
<td>3</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Introductory Astronomy</td>
<td>PHY 1505</td>
<td>3</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Astronomy</td>
<td>EASC 3112</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Concepts in Cosmology</td>
<td>PHYSCS 1050</td>
<td>3</td>
</tr>
</tbody>
</table>

**Lincoln University**

A survey course in contemporary astronomy, methods and instruments of astronomy, the solar system, planets, moons, the sun, stars, stellar formation and evolution, galaxies, and cosmology.

**Missouri Southern State University**

Study of our solar system and universe including the following topics: the solar system, Kepler’s laws, celestial coordinates and observing, Hertzsprung-Russell diagrams, stellar evolution, pulsars, black holes, nebulae, galaxies, and cosmology.

**Missouri State University**

An introduction to our present knowledge of the nature of the universe, the galaxies, the stars, and the planets. A description of the natural laws and physical observations which are leading us to an understanding of our place in the cosmos.

**Missouri State University**

Historical and descriptive aspects of astronomy; topics of current interest related to space science.

**Missouri University of Science & Technology**

An introductory course in basic astronomy designed primarily for students other than those in science and engineering. Topics include history, the sky, the solar system, stars, stellar evolution, galaxies and the origin and evolution of the universe.

**Missouri Western State University**

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

**Northwest Missouri State University**

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

**Southeast Missouri State University**

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

**Truman State University**

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

**University of Central Missouri**

The fundamental principles and theories pertaining to planetary astronomy, stellar evolution, and origin of the galaxies. Observational techniques are discussed and night-time viewing sessions are held using departmental telescopes.

**University of Missouri-Columbia**

This course explores the development of our understanding of the origin and evolution of the Universe. We will embark on a qualitative description of the Big Bang theory, the expansion of the universe and its current structure, the cosmic microwave background radiation, the existence of dark matter and dark energy and their implications for the Universe's ultimate fate.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Astronomy: Motions of the Cosmos</td>
<td>ASTR 150</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>An introductory exploration of modern topics in astronomy with an emphasis on developing conceptual models for the fundamental laws of gravity and motion crucial to the formation of stars and planetary systems, the growth of black holes and galaxies, and the evolution of cosmic structure.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Astronomy: Starlight and Star Stuff</td>
<td>ASTR 155</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>An introductory exploration of modern topics in astronomy with an emphasis on developing conceptual models for the interactions between light and matter crucial to the life and death of stars, the analysis of starlight and interstellar chemistry, and the interpretation of cosmic history.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Cosmic Evolution/Introduction Astronomy</td>
<td>ASTRON 1001A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Overview of astronomy, from the planets to the Big Bang. Topics include the celestial motions, planets and the formation of the solar system, stars and stellar evolution, galaxies, and cosmology. Students will be introduced to the latest discoveries and how they affect our understanding of the universe.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introduction to Astronomy</td>
<td>ASTRON 1050</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>A survey of the history of astronomy from the ancient times to present. Theories for the formation and evolution of the solar system and the general features of the solar system and planetary motions are discussed. The physical concept of gravity is presented. The detailed properties of the planets, comets, and asteroids are reviewed, concentrating on recent results from space missions.</td>
<td></td>
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</tr>
<tr>
<td>Crowder College</td>
<td>Descriptive Astronomy</td>
<td>PHYS 105</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. An introductory lecture course in astronomy. Topics include the history of Astronomy, the Moon, the Sun, the Solar System, gravity and planetary motion, stellar evolution, neutron stars, black holes, galaxies and the evolution of the Universe. The course satisfies part of the general education science requirement for the Associate in Arts degree.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>Introduction to Astronomy</td>
<td>PHY 102</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course introduces the concepts and principles of our knowledge of the Earth, Solar System, stars and galaxies, other objects in the universe, and the universe itself and its evolution. The course also explores some of the methods used in studying astronomical objects such as observations from telescopes and spacecraft, the scientific method, and basic concepts from physics, geology, and other sciences to identify and explain formative processes and unique characteristics.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>General Astronomy</td>
<td>PHYS 106</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>A survey of astronomy with emphasis on the scientific method, observation, tools of observation, and the models, physical principles, and processes that help describe and predict astronomical phenomena.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Introduction to Astronomy</td>
<td>PHS 1200</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Introduction to astronomical objects, structures and processes designed for non-science majors. Topics include the history and cultural impact of astronomy, planetary and stellar evolution, galaxies, black holes and other exotic objects, the birth and large-scale structure of the cosmos and life in the universe.</td>
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<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
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</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Modern Astronomy</td>
<td>AST 113</td>
<td>3</td>
</tr>
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<td></td>
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</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Survey of Astronomy</td>
<td>AST 114</td>
<td>3</td>
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<tr>
<td></td>
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<tr>
<td>Moberly Area Community College</td>
<td>General Astronomy</td>
<td>PHY 162</td>
<td>3</td>
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<tr>
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</tr>
<tr>
<td>North Central Missouri College</td>
<td>Introduction to</td>
<td>PS 120</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Astronomy</td>
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<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
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<td></td>
<td></td>
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</tr>
<tr>
<td>St. Charles Community College</td>
<td>Astronomy</td>
<td>PHY 130</td>
<td>3</td>
</tr>
<tr>
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</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introduction to</td>
<td>PSI 111</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Astronomy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Introduction to</td>
<td>EASC 120</td>
<td>3</td>
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<td></td>
<td>Astronomy</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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</tbody>
</table>

An introduction to our present knowledge of the nature of the universe, the galaxies, the stars, and the planets. A description of the natural laws and physical observations which are leading us to an understanding of our place in the cosmos.

Historical and descriptive aspects of astronomy; topics of current interest related to space science.

This is an introductory astronomy course with no laboratory component. It surveys solar system bodies, stellar evolution, galaxies, the universe, and the history of human discovery.

This course is a one-semester introduction to astronomy covering Earth-sky relationships, an overview of the Solar System, the Sun, the stars, our Galaxy, other galaxies, the large-scale structure of the Universe, and cosmology.

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

Nonmathematical introduction to astronomy designed primarily for non-science majors. Topics include the history and cultural impact of astronomy, properties of solar system, and stellar structures. Supplemented by occasional hours of evening observation. Analysis and interpretation of astronomical data and observations with telescopes. No prior knowledge of astronomy assumed.

This course introduces the fundamental concepts and principles of our knowledge of the Universe. The topics covered include the Earth, Solar System, stars, galaxies and evolution of the Universe. The course is designed for students in non-science and career curricula.

Introduction to our present knowledge of the universe. Topics include the solar system, stellar astronomy and the structure of the universe.

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.
# ASTRONOMY WITH LAB

**MOTR COURSE NAME:** ASTRONOMY WITH LAB  
**MOTR COURSE NUMBER:** MOTR ASTR 100L  
**KNOWLEDGE AREA:** NATURAL SCIENCES  
**TRANSFER CREDITS:** 4  
**MOTR COURSE DESCRIPTION:** A lecture and laboratory course in introductory astronomy that studies the Earth, Solar System, stars, galaxies and other selected topics.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Introductory Astronomy with Lab</td>
<td>PHY 105/106L</td>
<td>4</td>
<td>A laboratory course to accompany Introductory Astronomy. A combination of outdoor observations of the sky and indoor experiments in the physical background of astronomy and measurement techniques used in astronomy.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Basic Astronomy</td>
<td>AST 115</td>
<td>4</td>
<td>Historical and descriptive aspects of astronomy; topics of current interest related to space science. Laboratory consists of observations with telescopes and of experiments pertinent to the field.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Introductory Astronomy</td>
<td>PHYS 1505/1509</td>
<td>4</td>
<td>An introductory course in basic astronomy designed primarily for students other than those in science and engineering. Topics include history, the sky, the solar system, stars, stellar evolution, galaxies and the origin and evolution of the universe.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introduction to Astronomy</td>
<td>PHY 104</td>
<td>4</td>
<td>Basic course in astronomy, mostly descriptive in nature: solar system, stellar astronomy, structure of galaxy and universe. Three hours lecture and two hours lab.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Descriptive Astronomy</td>
<td>PHSC 40122/40123</td>
<td>4</td>
<td>This is an introductory course in astronomy. Topics covered involve the descriptive study of the physical universe including the earth-moon system, the solar system, general stellar system, stellar structure and evolution, galactic systems and cosmological models. The laboratory work emphasizes basic techniques and instruments used in observational astronomy.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td></td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Exploring the Universe</td>
<td>PH 109/009</td>
<td>4</td>
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<tr>
<td>Truman State University</td>
<td>Introduction to Astronomy</td>
<td>PHYS 131</td>
<td>4</td>
<td></td>
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<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Introduction to Astronomy</td>
<td>ASTRON 1010</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Astronomy: Motions of the Cosmos</td>
<td>ASTR 150/153L</td>
<td>4</td>
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</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Astronomy: Starlight and Star Stuff</td>
<td>ASTR 155/153L</td>
<td>4</td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>Cosmic Evolution: Introductory Astronomy</td>
<td>ASTRON 1001</td>
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<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
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</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
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</tr>
<tr>
<td>Jefferson College</td>
<td>Introduction to Astronomy</td>
<td>PHY 106</td>
<td>4</td>
<td></td>
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</tbody>
</table>

An examination of the physical nature of planets, stars and galaxies, their interrelationships and evolutionary processes. Emphasis on the role of scientific inquiry in our present understanding of the Universe.

A descriptive introduction to the fundamental concepts of astronomy. Topics include apparent sky motions, telescopes and astronomical instrumentation, the cultural relevance of astronomy, description and classification of stars and galaxies, and aspects of Cosmology and/or Astrobiology. Laboratory activities include observations at the Truman Observatory, lab-exercises based on computer simulations, and the analysis of astronomical data.

Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.

Survey of methods of astronomy; description of the solar system, stellar astronomy, structure of the galaxy and the universe. Three hours of lecture and one hour of lab per week (scheduled by the instructor). Satisfies physical science laboratory requirement. Laboratory section: Survey of astronomical methods, instruments, observations and measurement techniques.

An introductory exploration of modern topics in astronomy with an emphasis on developing conceptual models for the fundamental laws of gravity and motion crucial to the formation of stars and planetary systems, the growth of black holes and galaxies, and the evolution of cosmic structure.

An introductory exploration of modern topics in astronomy with an emphasis on developing conceptual models for the interactions between light and matter crucial to the life and death of stars, the analysis of starlight and interstellar chemistry, and the interpretation of cosmic history.

Overview of astronomy, from the planets to the Big Bang. Topics include the celestial motions, planets and the formation of the solar system, stars and stellar evolution, galaxies, and cosmology. Students will be introduced to the latest discoveries and how they affect our understanding of the universe.

Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.

Introduction to Astronomy is a general education course which is designed to acquaint students with the structure of our solar system and the universe. Laboratory time is required. Two four-hour observation nights are included as part of the laboratory.
<table>
<thead>
<tr>
<th>College</th>
<th>Course Type</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Metropolitan Community College</td>
<td>General Astronomy with Lab</td>
<td>PHYS 106L</td>
<td>4</td>
<td>A survey of astronomy with emphasis on the scientific method, observation, tools of observation, and the models, physical principles, and processes that help describe and predict astronomical phenomena.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Basic Astronomy</td>
<td>AST 115</td>
<td>4</td>
<td>Historical and descriptive aspects of astronomy; topics of current interest related to space science. Laboratory consists of observations with telescopes and of experiments pertinent to the field.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Introduction to Astronomy</td>
<td>PHY 115</td>
<td>4</td>
<td>This course provides an introduction to basic astronomy. Students will learn about the composition, dynamics, evolution of planets, stars, and the universe. Laboratory activities will give students the opportunity to demonstrate physics principles presented in lecture.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Astronomy</td>
<td>PHY 130/131</td>
<td>4</td>
<td>Nonmathematical introduction to astronomy designed primarily for non-science majors. Topics include the history and cultural impact of astronomy, properties of solar system, and stellar structures.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introduction to Astronomy I with Observational Astronomy</td>
<td>PSI 111/115</td>
<td>4</td>
<td>PSI 111: This course introduces the fundamental concepts and principles of our knowledge of the Universe. The topics covered include the Earth, Solar System, stars, galaxies and evolution of the Universe. The course is designed for students in non-science and career curricula. PSI 115 Observational Astronomy: An introduction to astronomical observations, techniques and instruments, which may accompany PSI 111 or may be taken independently. No prior knowledge of astronomy is assumed. Additional lab hours required.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>
## Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ESSENTIALS IN BIOLOGY (NON-SCIENCE MAJORS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR BIOL 100</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>Lecture course for non-science majors that will not take another biology course but would like a survey of the concepts in the discipline. Content emphasizes biology fundamental concepts and topics including the relevance of biology to contemporary issues in human society and problem-solving.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Principles of Biology</td>
<td>BIO 0141</td>
<td>3</td>
<td>This course is a broad overview of biology designed for non-biology majors, and satisfies a general education requirement in the natural sciences. Basic principles covered include scientific reasoning, chemical processes of living things, diversity of life, structure and function at the molecular, cellular, organismal, and ecosystem levels, basic ecological principles, evolution processes, human body systems, and bioethical issues including medicine and global change. BIO 0152 Biology Survey Laboratory is recommended as an accompanying laboratory course.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Principles of Biology</td>
<td>BIO 103</td>
<td>3</td>
<td>Introduction to basic concepts that are foundations of the life sciences. Three one-hour lectures. No laboratory</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>General Biology</td>
<td>BIO 0102</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP A survey of general biological principles that emphasize concepts relevant to the student. Special topics may be used to illustrate course content.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Name</td>
<td>Code</td>
<td>Credits</td>
<td></td>
</tr>
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<td>-------------------------------------------------</td>
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<tr>
<td>Missouri Southern State University</td>
<td>Environmental Science</td>
<td>EH 0107</td>
<td>3</td>
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</tr>
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<td></td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter, the changes that occur during chemical reactions, and the quantitative aspects of these changes.</td>
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</tr>
<tr>
<td>Missouri State University</td>
<td>Biology in Your World</td>
<td>BIO 101</td>
<td>3</td>
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<tr>
<td></td>
<td>Organisms are studied from their behavioral, ecological, heredity and evolutionary perspectives. Topics include examination of the human body in health and disease; the relevance of biology to contemporary issues in human society; an introduction to environmental science and ecology with emphasis on the interrelationships of living and nonliving things in ecosystems and how disruptions of these relationships result in environmental problems. Cannot count towards a biology major or minor. Students receiving credit towards graduation for BIO 101 and/or BIO 111 cannot also receive credit for BIO 100.</td>
<td></td>
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<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Introduction to Environmental Sciences</td>
<td>BIO SCI 1173</td>
<td>3</td>
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<tr>
<td></td>
<td>An introduction to environmental science, with an emphasis on biological aspects of current environmental problems. Topics range from chemical toxicity to global climate change. Environmental challenges facing local species and ecosystems will be emphasized.</td>
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<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>General Biology</td>
<td>BIO SCI 1113</td>
<td>3</td>
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<tr>
<td></td>
<td>A comprehensive study of the general principles of the biology of plants, animals, and protists including population biology and regulation mechanisms.</td>
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<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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<td></td>
<td>Students transferring to this institution will receive 3 credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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<td></td>
<td>Students transferring to this institution will receive 3 credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Environmental Biology</td>
<td>BS 105</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discussion of biological principles with application to environmental issues.</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Biology for Living</td>
<td>BS 108</td>
<td>3</td>
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</tr>
<tr>
<td></td>
<td>To acquaint the students with and help them to understand some of the fundamental biological processes and problems which confront living organisms.</td>
<td></td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Biological Reasoning</td>
<td>BS 151</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Use of scientific reasoning and evidence from various biological disciplines to test hypotheses about the common ancestry of organisms.</td>
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<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
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<tr>
<td></td>
<td>Students transferring to this institution will receive 3 credits in the Natural Sciences Knowledge Area.</td>
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</tr>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to the Science-Ecology</td>
<td>BIOL 1003</td>
<td>3</td>
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<tr>
<td></td>
<td>Introduction to biological science with emphasis on scientific methodology, ecological concepts regarding populations, communities and ecosystems and the impact of humans on the natural world.</td>
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</tr>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to Environmental Science GE</td>
<td>BIOL 1005</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environmental science as an integrative study of human interaction with the environment that seeks to meet the needs of students with little background in science.</td>
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</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Missouri-Columbia</td>
<td>General Principles and Concepts of Biology</td>
<td>BIO_SC 1010</td>
<td>3</td>
<td>Emphasizes connections and applications to society and the human condition, science literacy, and critical thinking skills. A discussion of general principles and fundamental concepts of living things.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Basic Environmental Studies</td>
<td>BIO_SC 1060</td>
<td>3</td>
<td>Considers the ecosystem, energy and biogeochemical cycles and population dynamics; relation of the environment to agriculture and technology, pollution, power and food production; politico-economic considerations; moral and ethical issues.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Biology and Living</td>
<td>BIOLOGY 102</td>
<td>3</td>
<td>Introduction to structural organization and functional processes of living systems. For non-biology majors only.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>General Biology</td>
<td>BIOL 102</td>
<td>3</td>
<td>Emphasis on fundamental principles of biology. BIOL 1012 can be applied toward fulfillment of the general education requirement in science.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Introduction to Life Science</td>
<td>BIO 101</td>
<td>3</td>
<td>A study of fundamental biological concepts, with emphasis on human biology. Topics include: the cell, the chemistry of life, the structure and function of human organ systems, genetics, ecology, and evolution.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Concepts in Biology</td>
<td>BIO 102</td>
<td>3</td>
<td>Concepts in Biology is a non-laboratory course covering concepts common to all life forms. It focuses on structural and functional human systems.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Ecology and Environmental Conservation</td>
<td>BIO 109</td>
<td>3</td>
<td>Ecology and Environmental Conservation deals with fundamental principles of ecology and how these principles can be applied to the comprehension of environmental problems. Areas of application include populations, land use, air, wildlife, resources and pollution control.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Introduction to Biological Science</td>
<td>BIO 1100</td>
<td>3</td>
<td>An introductory biology class which teaches the fundamentals of biology as well as how biology is applied in the real world. This course examines the scientific method, the characteristic elements, processes and features common to all life forms, and the nature and workings of the human body.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Mineral Area College</td>
<td>Environmental Science</td>
<td>BIO 1430</td>
<td>3</td>
<td>A general introductory course in human ecology. The general concepts of ecology will be covered in early chapters. The remainder of this course emphasizes human contributions to resource depletion, energy conservation, overpopulation and overconsumption, pollution and subsequent worldwide effects.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Essentials of Microbiology</td>
<td>BIO 1500</td>
<td>3</td>
<td>A course that may be a science elective for the non-science major. The student will learn about the cause of selected infectious diseases and methods used to control the spread of human pathogens. The history of microbiology, as well as microbe anatomy, growth requirements, means of observation and mechanisms of pathogenicity.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Biological Concepts</td>
<td>BIO 101</td>
<td>3</td>
<td>Unifying principles of biology from the molecular through ecosystems level. Partially fulfills the general education requirements in the natural sciences.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Introductory Conservation Biology</td>
<td>BIO 105</td>
<td>3</td>
<td>This course involves a study of the earth’s ecosystems and biodiversity as well as historical and current human impacts on these systems. The importance of conserving the earth’s biodiversity is also discussed.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Essential Biology</td>
<td>BIO 142</td>
<td>3</td>
<td>This course provides a study of the biological principles that apply to all living systems, including ecological principles. In addition, this course provides a survey of living organisms with an emphasis on how life functions on Earth and how living things have adapted over time.</td>
</tr>
<tr>
<td>St Charles Community College</td>
<td>Essentials of Biology</td>
<td>BIO 105</td>
<td>3</td>
<td>Examines fundamental principles of biology. Includes organization of living things, scientific method, cell and molecular biology, genetics, ecology, evolution, and relationship between biology and society.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Environmental Sciences</td>
<td>BIO 122</td>
<td>3</td>
<td>Study of biological and physical characteristics and principles of nature. Deals with diverse topics such as ecology, endangered species, pollution, meteorology, earth studies, populations, etc. Occasional guest speakers or field trips included.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Introduction to Biological Sciences</td>
<td>BIO 100</td>
<td>3</td>
<td>Introduction of biology that develops understanding of basic, unifying concepts in science and biology. Topics include the scientific method, biochemistry, cell biology, metabolism, genetics, evolution, ecology, and human ecology.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Wildlife Conservation</td>
<td>BIO 105</td>
<td>3</td>
<td>Integrated study focused on historical, cultural and scientific aspects of wildlife conservation. Topics include ecology; diversity; extinctions and extinction processes; ecosystem degradation and loss; overexploitation; invasive exotics; zoos and gardens; public attitudes and perceptions including social factors, economics, ethics, and human impact.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Name</td>
<td>MOTR Course Number</td>
<td>Knowledge Area</td>
<td>Transfer Credits</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Survey of Biology</td>
<td>BIOL 100</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR Course Name</th>
<th>Lecture and laboratory course for non-science majors that will not take another biology course but would like a survey of the concepts in the discipline. Content emphasizes the fundamental concepts of biology and topics including the relevance of biology to contemporary issues in human society and problem-solving.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR Course Number</td>
<td>MOTR BIOL 100L</td>
</tr>
<tr>
<td>Knowledge Area</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>Transfer Credits</td>
<td>4</td>
</tr>
<tr>
<td>MOTR Course Description</td>
<td>Lecture and laboratory course for non-science majors that will not take another biology course but would like a survey of the concepts in the discipline. Content emphasizes the fundamental concepts of biology and topics including the relevance of biology to contemporary issues in human society and problem-solving.</td>
</tr>
<tr>
<td>Institution</td>
<td>Harris-Stowe State University</td>
</tr>
<tr>
<td>Course Name</td>
<td>Biology Survey Lecture and Lab</td>
</tr>
<tr>
<td>Course Number</td>
<td>BIO 0141/0152</td>
</tr>
<tr>
<td>Transfer Credits</td>
<td>4</td>
</tr>
</tbody>
</table>
| Course Description                | This course is a broad overview of biology designed for non-biology majors, and satisfies a general education requirement in the natural sciences. Basic principles covered include scientific reasoning, chemical processes of living things, diversity of life, structure and function at the molecular, cellular, organismal, and ecosystem levels, basic ecological principles, evolution processes, human body systems, and bioethical issues including medicine and global change. BIO 0152: BIO 0152 provides hands-on experience with the fundamental concepts and principles encountered in the lecture part of Biology Survey or Principles of Biology. The processes of science are emphasized such as observing, designing experiments, refining techniques and presenting and interpreting the results of findings. Basic laboratory techniques and safety are
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Introduction to Biology Lecture &amp; Laboratory</td>
<td>4</td>
<td>BIO 0131 is an online lecture that complements the BIO 0132 online lab course designed for non-biology majors enrolled in online degree programs. The course provides an overview of biological sciences and satisfies a general education requirement in the natural sciences. The basic topics covered include characteristics of life, biomolecules, various levels of organization of living systems (cells to ecosystems), enzymes and energy, genes, gene expression and regulation and the basic principles of evolution and ecology. BIO 0132: Concurrent enrollment: BIO 0131/BIO 0132 is an online lab course that complements the BIO 0131 lecture course designed for non-biology majors enrolled in an online degree program. The course provides an overview of biology and satisfies a general education requirement in the natural sciences. Basic topics covered include the scientific method, chemical composition of cells, energy and enzymes, cell cycle, basic human anatomy and physiology, basic Mendelian genetics and patterns of inheritance and basic principles of ecology and evolution.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Principles of Biology Lecture and Laboratory</td>
<td>4</td>
<td>Introduction to basic concepts that are foundations of the life sciences. No laboratory (students needing a biology lab course should enroll concurrently in BIO 104L). BIO 104L: Hands-on investigations designed to reinforce basic concepts and principles common to the life sciences.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>General Biology with Lab</td>
<td>4</td>
<td>General treatment of unifying principles of living organisms at the chemical, cellular organismic and population levels of organization including cell structure and function, metabolism, genetics, evolution and ecology. Emphasis will be placed on biological principles as they relate to humans, stressing how humans interact with their environment and possible outcomes of these interactions. Three lectures, one two-hour lab per week.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Biological Science for Educators</td>
<td>4</td>
<td>An introduction to the unifying principles of biology and the processes of scientific investigation using an inquiry approach. Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary, and middle school science lessons. Cannot count towards a major or minor in biology. Students receiving credit towards graduation for BIO 100 cannot also receive credit for BIO 101 or BIO 111.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Biology in Your World Lecture and Laboratory</td>
<td>4</td>
<td>A non-laboratory course that can fulfill the General Education requirement in the Life Sciences. Organisms are studied from their behavioral, ecological, heredity and evolutionary perspectives. Topics include examination of the human body in health and disease; the relevance of biology to contemporary issues in human society; an introduction to environmental science and ecology with emphasis on the interrelationships of living and nonliving things in ecosystems and how disruptions of these relationships result in environmental problems. Cannot</td>
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<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code(s)</td>
<td>Credits</td>
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</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>General Biology and Lab</td>
<td>BIOSCI 1113/1219</td>
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<td></td>
<td>BIO 101/111</td>
<td></td>
<td>4</td>
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<tr>
<td>Missouri Western State University</td>
<td>Principles of Biology</td>
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<tr>
<td></td>
<td>General Biology</td>
<td>BIOL 04102/0410</td>
<td>4</td>
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<td></td>
<td>BS 218</td>
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<tr>
<td>Truman State University</td>
<td>Biology</td>
<td>BIOL 100</td>
<td>4</td>
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<tr>
<td></td>
<td>General Botany</td>
<td>BIOL 103</td>
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<td></td>
<td>General Zoology</td>
<td>BIOL 106</td>
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</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>University of Central Missouri</th>
<th>Introduction to the Sciences: Ecology Lecture</th>
<th>BIOL 1003/1006</th>
<th>4</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Introduction to Environmental Science</td>
<td>BIOL 1005/1006</td>
<td>4</td>
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<tr>
<td></td>
<td>Plants and Society</td>
<td>BIOL 1004</td>
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<tr>
<td></td>
<td>General Principles and Concepts of Biology and General Biology Laboratory</td>
<td>BIO_SC 1010/1020</td>
<td>4</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>General Principles and Concepts of Biology and General Biology Laboratory</td>
<td>BIO_SC 1030</td>
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<tr>
<td></td>
<td>Introductory Zoology with Laboratory</td>
<td>BIO_SC 1100</td>
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<tr>
<td></td>
<td>General Botany with Laboratory</td>
<td>BIO_SC 1200</td>
<td>4</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Biology and Living with Laboratory</td>
<td>BIOLOGY 102/102L</td>
<td>4</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>General Biology Lecture, General Biology Laboratory</td>
<td>BIOL 1012/1013</td>
<td>4</td>
</tr>
</tbody>
</table>

Introduction to biological science with emphasis on scientific methodology, ecological concepts regarding populations, communities and ecosystems and the impact of humans on the natural world. No laboratory included. Not available to those with credit in BIOL 1004. BIOL 1006: Introduction to biological science with emphasis on scientific methodology, ecological concepts regarding populations, communities and ecosystems, and the impact of humans on the natural world. Must be taken concurrently with BIOL 1003 or BIOL 1005.

Environmental science as an integrative study of human interaction with the environment that seeks to meet the needs of students with little background in science. BIOL 1006: Introduction to biological science with emphasis on scientific methodology, ecological concepts regarding populations, communities and ecosystems, and the impact of humans on the natural world. Must be taken concurrently with BIOL 1003 or BIOL 1005.

Introduction to biological science with emphasis on scientific methodology, ecological concepts regarding populations, communities and ecosystems and the impact of humans on the natural world. Laboratory included.

Introduction to science with an emphasis on the economic uses of plants that are important to society. The course introduces the student to basic vocabulary and principles of the study of economically important plants.

Emphasizes connections and applications to society and the human condition, science literacy, and critical thinking skills. A discussion of general principles and fundamental concepts of living things. BIO_SC 1020: Laboratory exercises dealing with representative organisms and methods of modern biological sciences.

Survey of general principles and basic concepts of life science, emphasizing applications to society and the human condition. Lectures address science literacy and critical thinking and laboratory exercises use representative organisms to complement lecture topics.

Introduces important principles and concepts of zoology. Emphasizes cell biology; evolution; genetics; ecology; structure, function, development of the organism.

Introduction to study of plants. Emphasis on structure, growth, physiology, genetics and reproduction of plants.

Introduction to structural organization and functional processes of living systems. For non-biology majors only.

Emphasis on fundamental principles of biology. BIOL 1012 can be applied toward fulfillment of the general education requirement in science. BIOL 1012 does not satisfy the prerequisite requirements in other courses in biology at the 2000 level or above. Students who plan to pursue a
<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crowder College</td>
<td>General Biology</td>
<td>BIOL 101</td>
<td>4</td>
</tr>
<tr>
<td>East Central College</td>
<td>General Ecology</td>
<td>BIO 110</td>
<td>4</td>
</tr>
<tr>
<td>East Central College</td>
<td>General Biology Lecture and Lab</td>
<td>BIO 111</td>
<td>4</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>General Biology</td>
<td>BIO 101</td>
<td>4</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors General Biology</td>
<td>BIO 101H</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>General Biology</td>
<td>BIOL 101</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Environmental Science</td>
<td>BIOL 102</td>
<td>4</td>
</tr>
</tbody>
</table>

General Biology is an introduction to the study of biology and covers principles of life science from the chemical basis of life to the interactions between living organisms and their environment. The unifying biological principles of cell structure and function, genetics, development, metabolism, reproduction, and ecology are addressed. A practical laboratory component emphasizes scientific investigations and supports lecture material.

This general education course is designed to introduce the concepts, questions, facts and methods of ecology, the scientific study of how organisms interact with their nonliving environment and with other organisms. The course will emphasize organismal biology and its relations within biological sciences. The course is designed as a lecture and lab course. The lab portion will reinforce concepts learned in lecture and provide opportunities to observe ecology at work in local environments.

An introductory course involving fundamental biological principles of both plant and animal life. This course is designed to be used as a general education course and is not open to students with credit in botany or zoology or students planning to take an additional course in the biological sciences. The laboratory portion of this course will reinforce topics covered in the General Biology lecture. In lab, the emphasis is placed on scientific method, data collection and reporting, problem solving and critical thinking.

General Biology emphasizes the physical, chemical, and functional aspects common to all organisms and presents a general survey of life forms. Laboratory time is required.

Biological principles and methods applied to selected groups of living organisms and their environment.

General principles of human ecology and environmental science. Examination of problems in human ecology such as population growth, resource allocation, and pollution. Field work.

Career in medicine or one of the medical-oriented professions should enroll in BIOL 1831 rather than BIOL 1012. BIOL 1013: Prerequisite: BIOL 1012 (may be taken concurrently). Laboratory course to accompany BIOL 1012. BIOL 1013 can be used to fulfill the general education requirements in a laboratory science. BIOL 1013 does not meet the prerequisite requirements for other courses in biology.
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metropolitan Community College</td>
<td>Introduction to Biology</td>
<td>BIOL 118</td>
<td>4</td>
</tr>
<tr>
<td>Minerial Area College</td>
<td>General Biology</td>
<td>BIO 1150</td>
<td>4</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Biological Science for Educators</td>
<td>BIO 100</td>
<td>4</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Biological Concepts &amp; Understanding Biological Systems Through Inquiry</td>
<td>BIO 101/111</td>
<td>4</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Environmental Science</td>
<td>ENV 105</td>
<td>4</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Biology</td>
<td>BIO 101</td>
<td>4</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>General Biology</td>
<td>BI 100</td>
<td>4</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Life Science</td>
<td>BIO 100</td>
<td>4</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Environmental Science</td>
<td>BIO 105</td>
<td>4</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Essentials of Biology</td>
<td>BIO 105/106</td>
<td>4</td>
</tr>
</tbody>
</table>


Presents selected basic biological concepts and principles fundamental to the understanding of the operation of biological systems. The nature of science concepts of biological organization, characteristics and chemistry of the cell, energy relationships, reproduction, heredity, classification, evolution and environmental relationships of living things may be presented.

An introduction to the unifying principles of biology and the processes of scientific investigation using an inquiry approach. Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary and middle school science lessons. This course is open only to early childhood, elementary, middle school and special education majors.

Unifying principles of biology from the molecular through ecosystems level.

The study of global geological cycles, biodiversity trends, human population dynamics, sustainable land and water usage, pollution impacts, energy challenges, climate change and future predictions for a cooperative global effort toward a habitable planet. The course includes a laboratory component.

This course is designed to provide each student with an understanding and appreciation of the diversity of living things and their cell structure, chemistry, genetics, evolution, and ecological relationships.

This course focuses on the general principles of biology, including ecology, cell biology, biochemistry, genetics, microbiology, botany, and zoology. Structure, function and life application are stressed as components of each unit of study.

This course covers a study of the biological principles that apply to all living systems. A survey of living organisms with an emphasis on how life functions on earth and how living things have adapted over time is explored. Laboratory activities give students the opportunity to apply biological principles presented in lecture.

This course provides a study of how human population affects the earth’s ecosystems by its use of earth’s resources and disposal of their waste products. Critical thinking is emphasized.

Examines fundamental principles of biology. Includes organization of living
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>St. Charles Community College</strong></td>
<td>Introduction to Ecology Lecture &amp; Lab</td>
<td>BIO 120/121</td>
<td>Explores structure and function of ecosystems. Study of general ecological principles in context of current problems in world's ecosystems. Course includes field trips to off-campus locations. Hybrid course. (For non-science majors.)</td>
</tr>
<tr>
<td><strong>St. Louis Community College</strong></td>
<td>General Zoology</td>
<td>BIO 110</td>
<td>This course provides a survey of the animal kingdom with emphasis on comparative anatomy, physiology, ecology and evolution of the major invertebrate and vertebrate groups. Additional lab hours required.</td>
</tr>
<tr>
<td><strong>St. Louis Community College</strong></td>
<td>Introductory Biology I</td>
<td>BIO 111</td>
<td>Introductory Biology provides a consideration of the principles of biology, with emphasis on the molecular approach to the structure and function of living organisms. This course is for liberal arts students and majors in physical education, physical and occupational therapy, nursing, and other allied health areas. (Credit is not allowed for both BIO 111 and BIO 140).</td>
</tr>
<tr>
<td><strong>St. Louis Community College</strong></td>
<td>General Botany I</td>
<td>BIO 124</td>
<td>Students will be introduced to the biological aspects of plant life, including cell structure and function, anatomy, morphology, physiology, taxonomy. The laboratory reinforces some of the topics and concepts covered in the lecture. Additional lab hours required.</td>
</tr>
<tr>
<td><strong>State Fair Community College</strong></td>
<td>Introductory Biology with Lab</td>
<td>BIO 112</td>
<td>Introduction of biology that develops an understanding of basic, unifying concepts in science and biology through an investigative laboratory environment. Topics include the scientific method, biochemistry, cell biology, metabolism, genetics, evolution, ecology, and human ecology.</td>
</tr>
<tr>
<td><strong>State Technical College of Missouri</strong></td>
<td>Environmental Science with Laboratory</td>
<td>PHY 103/104</td>
<td>PHY 103: Environmental science provides an integrated, quantitative, and interdisciplinary approach to the study of environmental systems. Information about physical, chemical, and biological conditions of the environment and their effect on organisms are studied to help solve ecological problems. Sustainable natural resource management will be stressed. An attitude of stewardship of natural capital will be encouraged. PHY 104: This is the science lab corresponding to the Environmental Science lecture course. The courses are designed to increase student awareness of the issues surrounding the interactions of humans with the natural environment. Basic quantitative techniques for collecting and analyzing data from environmental systems will be introduced.</td>
</tr>
</tbody>
</table>
### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>BIOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR BIOL 150</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>Biology lecture course for majors that will take other biology courses. This course emphasizes the unifying principles of biology, including chemistry of biomolecules, cell theory, genetics, evolutionary theory, ecology, organismal biology and scientific inquiry. This course may be comprehensive or provide in-depth study within a subset of the unifying principles of biology.</td>
</tr>
</tbody>
</table>

### INSTITUTION  COURSE NAME            COURSE NUMBER  TRANSFER CREDITS  COURSE DESCRIPTION

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Transfer Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Biology Survey Lecture</td>
<td>BIO 0151</td>
<td>3</td>
<td>It focuses on three theories: cell theory, gene theory and evolution theory. The courses do not have to be taken concurrently, although that is recommended for Biology and Teacher Education majors. The course introduces students to the principal concepts, ideas and developments in the biological sciences to provide a sound and general basis for understanding information, principles and concepts related to scientific inquiry, the nature of matter and energy transfer, cells, heredity, aspects of reproduction and development, the origin, evolution, and diversity of life.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Name</td>
<td>Code</td>
<td>Credits</td>
<td>Notes</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>------------------------------</td>
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<td>---------</td>
<td>-----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Biology I</td>
<td>BIO 150</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP Introduction to concepts in biology including the physical and chemical basis of life, the cell, genetics, evolution, diversity and ecology.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Principles of Biology I</td>
<td>BIO 0108</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP First in a two-course introductory sequence for biology majors. The unifying principles of living organisms including scientific method, biological molecules, cell structure, function and metabolism, genetics, evolution, and a survey of Prokaryotes and Protistans.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Principles of Biology</td>
<td>BIOSCI 1213</td>
<td>3</td>
<td>A comprehensive study of the general principles of the biology of plants, animals, and protists including population biology and regulation mechanisms. An in-depth study of the fundamental principles governing all living organisms from the molecular to the population level.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Principles of Biology</td>
<td>BIOL 1110</td>
<td>3</td>
<td>Examination of basic biological principles including the scientific method, biological molecules, cellular function and structure, photosynthesis, respiration, metabolism, cell mitosis, genetics, evolution, diversity, and ecology.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Equivalent</td>
<td>Credits</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>----------------------------</td>
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<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in</td>
<td></td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in</td>
<td></td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Modern Aspects of Biology</td>
<td>BIO 113</td>
<td>Students transferring to this institution will receive three (3) credits in</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Conservation and Ecology</td>
<td>BIO 117</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP This course provides a consideration</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Animal Behavior</td>
<td>BIO 123</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP This course focuses on the environ</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>ment and the effects that mankind is having on the Earth. Interrelationships</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>of living things to their environment and to each other are discussed with</td>
<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>particular focus on the impact of humans on the environment. Mankind’s use</td>
<td></td>
</tr>
</tbody>
</table>

Updated February 28, 2018
## Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>BIOLOGY WITH LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR BIOL 150L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
</tbody>
</table>

**MOTR COURSE DESCRIPTION**

Biology lecture and laboratory course for majors that will take other biology courses. This course emphasizes the unifying principles of biology, including chemistry of biomolecules, cell theory, genetics, evolutionary theory, ecology, organismal biology and scientific inquiry. This course may be comprehensive or provide in-depth study within a subset of the unifying principles of biology.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Biology Survey Lecture</td>
<td>BIO 0151/0152</td>
<td>4</td>
<td>It focuses on three theories: cell theory, gene theory and evolution theory. The courses do not have to be taken concurrently, although that is recommended for Biology and Teacher Education majors. The course introduces students to the principal concepts, ideas and developments in the biological sciences to provide a sound and general basis for understanding information, principles and concepts related to scientific inquiry, the nature of matter and energy transfer, cells, heredity, aspects of reproduction and development, the origin, evolution, and diversity of life. BIO 0152 provides hands-on experience with the fundamental concepts and principles encountered in the lecture part of Biology Survey or Principles of Biology. The processes of science are emphasized such as observing, designing experiments, refining techniques and presenting and interpreting the results of findings. Basic laboratory techniques and safety are stressed.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Biology I</td>
<td>BIO 150/104L</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP Introduction to concepts in biology including the physical and chemical basis of life, the cell, genetics, evolution, diversity and ecology. This course is required for biology majors. Corequisite: BIO 104L</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Biology II</td>
<td>BIO 155</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP Structure, function and evolutionary history of Bacteria, Protista, Fungi, Plantae and Animalia. This</td>
</tr>
<tr>
<td>Institution</td>
<td>Course</td>
<td>Credits</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>-------------------------------</td>
<td>---------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Missouri State University</td>
<td>General Biology BIO 121</td>
<td>4</td>
<td>First half of 2-semester introductory biology sequence for biology majors and minors. Introduction to the concepts of biological structure and function at the molecular and cellular level, genetics, and evolution.</td>
<td></td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Principles of Biology BIO SCI</td>
<td>4</td>
<td>A comprehensive study of the general principles of the biology of plants, animals, and protists including population biology and regulation mechanisms. An in-depth study of the fundamental principles governing all living organisms from the molecular to the population level. BIO SCI 1219: The laboratory work accompanying general biology consists of experiments designed to supplement and extend lectures in General Biology and Principles of Biology.</td>
<td></td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Principles of Organismal Biology BIO 105</td>
<td>4</td>
<td>Examines basic concepts and principles of evolutionary biology, behavior, ecology, physiology and morphology at the organismal level.</td>
<td></td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Principles of Cell Biology BIO 106</td>
<td>4</td>
<td>This introductory biology course examines the structure and function of animal and plant cells, interactions between cells, intra- and intercellular signaling mechanisms and basic cellular biochemistry. Within the above context, students are also introduced to basic concepts of molecular biology and development. Three hours lecture, three hours lab. LAS Writing.</td>
<td></td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Principles of Biology BIO04106/4107</td>
<td>4</td>
<td>A course designed for students who want more advanced study in the biological sciences which provides a broad survey of the fundamental principles of living systems, including their nature, processes, organization, and evolution. This course covers topics basic to the study of biology, including chemistry of biomolecules, prokaryotic and eukaryotic cell structure and function, cell division, classical and molecular genetics, evolutionary theory, general taxonomic classification, ecological principles, as well as the process of scientific inquiry. Three hours of lecture per week.</td>
<td></td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Plant Science AGRI 03-130</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP A survey course that covers fundamentals of structure, function and environmental interactions of higher plants. The application of science to the study and utilization of plants is examined. Three hours of lecture and a two-hour laboratory per week.</td>
<td></td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Evolution and Ecology BI 163</td>
<td>4</td>
<td>Introduction to principles of evolution and ecology of organisms through application of the scientific method. Three lectures; one two-hour lab.</td>
<td></td>
</tr>
<tr>
<td>Truman State University</td>
<td>Introductory Biology BIOL 107</td>
<td>4</td>
<td>This course presents the unifying concepts of biology with a focus on the nature of living systems, processes, and interactions. It covers topics such as the structure and function of cells, evolution, genetics, and ecology. Three lecture hours per week.</td>
<td></td>
</tr>
</tbody>
</table>

Updated February 28, 2018
and philosophy of biological science, evolution by natural selection and the central role of DNA in evolution. Cellular and molecular levels of organization are studied. Laboratory investigations are included. Required of all biology majors.

<table>
<thead>
<tr>
<th>University of Central Missouri</th>
<th>Plant Biology</th>
<th>BIOL 1111</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examination of basic biological principles including the scientific method; macromolecules of life; cellular structure, function, and replication; and plant form, function and diversity. Laboratory included. An additional fee is associated with this course.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University of Central Missouri</th>
<th>Animal Biology</th>
<th>BIOL 1112</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to the evolution and classification of the metazoa with emphasis on the form and function of selected invertebrate and vertebrate animals. An additional fee is associated with this course.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University of Missouri-Columbia</th>
<th>Introduction to Biological Systems with Laboratory</th>
<th>BIO_SC 1500</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic concepts and principles of the structure and function of living systems, from cells to populations. Foundation course for science students intending to complete a 3-semester sequence that also includes genetics and cell biology.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University of Missouri-Columbia</th>
<th>Introduction to Biological Systems with Laboratory (H)</th>
<th>BIO_SC 1500H</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic concepts and principles of the structure and function of living systems, from cells to populations. Foundation course for science students intending to complete a 3-semester sequence that also includes genetics and cell biology.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University of Missouri-Kansas City</th>
<th>No equivalent course</th>
<th>N/A</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University of Missouri-St. Louis</th>
<th>Introductory Biology: Organisms and the Environment</th>
<th>BIOL 1821</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course presents an introduction to some of the principles of biology and scientific methodology applied to the organism and supraorganism levels of biology. Topics to be covered include: ecology, evolution, diversity, and population biology. Three hours of lecture and one hour of discussion per week.</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University of Missouri-St. Louis</th>
<th>Introductory Biology: From Molecules to Organisms</th>
<th>BIOL 1831</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course presents an introduction to some of the principles of biology and scientific methodology applied to the molecular/cellular through organ system levels of organization. Topics include: cell structure, metabolism, reproduction, heredity and major physiological processes regulated by organ systems. Three hours of lecture, three and one-half hours of lab, and one hour of discussion per week.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crowder College</th>
<th>General Zoology</th>
<th>BIOL 110</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Zoology introduces Kingdom Animalia, surveying the diversity of the kingdom with an emphasis on the classification and ecology of major animal groups. Animal-like Protists are also discussed. Topics include evolution, natural and sexual selection, symbiotic relationships, and environmental issues relating to members of the animal kingdom.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crowder College</th>
<th>General Botany</th>
<th>BIOL 120</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Botany is an introduction to the discipline of botany and includes the study of plants, algae, fungi, and bacteria. Topics covered include principles of cell biology, fundamentals of metabolism, basic plant anatomy and physiology, plant taxonomy, a systematic survey of the plant kingdom, and ecology. An extensive laboratory section supports and extends the lecture material.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>East Central College</th>
<th>Principles of Biology I Lecture/Lab</th>
<th>BIO 121</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite: BIOL 101; or ACT Composite Score 23 or above; or two years high school biology.</td>
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</tr>
<tr>
<td>College</td>
<td>Course</td>
<td>Code</td>
<td>Units</td>
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<td>----------------------------------------------</td>
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</tr>
<tr>
<td>Jefferson College</td>
<td>General Botany</td>
<td>BIO 205</td>
<td>4</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>General Zoology</td>
<td>BIO 206</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>General Biology for Majors I</td>
<td>BIOL 123</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>General Botany</td>
<td>BIOL 104</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>General Zoology</td>
<td>BIOL 106</td>
<td>4</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>General Botany</td>
<td>BIO 2112</td>
<td>4</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>General Zoology</td>
<td>BIO 2122</td>
<td>4</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>General Biology</td>
<td>BIO 121</td>
<td>4</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>General Zoology</td>
<td>BIO 150</td>
<td>4</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Introductory Plant Biology</td>
<td>BIO 151</td>
<td>4</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>General Botany</td>
<td>BI 101</td>
<td>4</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>General Zoology</td>
<td>BI 103</td>
<td>4</td>
</tr>
</tbody>
</table>

**UNDER REVIEW BY FACULTY DISCIPLINE GROUP**

General Botany deals with structure, function, and organization of plant life. This course includes a survey of the plant kingdom and identification of common native plants. Laboratory time is required.

General Zoology deals with animal cell structure and chemical processes, the structure and function of various organ systems, and an introduction to animal genetics, evolution, and ecology. Laboratory time is required and consists of classification and identification of representatives of the various animal phyla.

Study of biological principles including: genetics, evolution, population, and ecosystems.

Biological principles and their application to the plant kingdom. Microscopic and gross examination of anatomy of plants. Life cycles and ecological relationships.

Systematic survey of the major animal phyla. Microscopic and gross examination of representative animal types. Anatomy and physiology, natural history, life cycles, ecological relationships, and genetics.

Emphasizes biological principles as applied to plants. Plant structure, function, genetics, reproduction, physiology and classification are stressed. Meets the general education biological science requirement.

An introduction to the important principles and concepts of zoology. Emphasizes cell biology, genetics, reproduction and the major animal phyla.

First half of 2-semester introductory biology sequence for biology majors and minors. Introduction to the concepts of biological structure and function at the molecular and cellular level, genetics, and evolution.

This course involves a comparative study of animal life and the anatomical adaptations that enable animals to inhabit nearly all ecological niches. Extensive lab work and some field trips are required.

This course examines general biological principles with emphasis on the structures, reproduction, and ecology of seed plants. Course includes lab work and field trips.

This course focuses on a fundamental study of plant structure, physiology, ecology, economic importance, life histories, and taxonomy.

A general study of animal phyla with a focus on structure, ecology, behavior, taxonomy, and defining characteristics.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Central Missouri College</td>
<td>General Ecology</td>
<td>BI 110</td>
<td>4</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>General Biology I</td>
<td>BIO 160</td>
<td>4</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>General Biology I</td>
<td>BIO 150</td>
<td>4</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Principles of Biology I</td>
<td>BIO 140</td>
<td>4</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Biology I w/Lab</td>
<td>BIO 125</td>
<td>4</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Biology for Majors</td>
<td>BIOL 190</td>
<td>4</td>
</tr>
</tbody>
</table>

This course focuses on the general principles of ecology (populations, communities, and ecosystems) and field technique. The inter-relationships of the following natural resources will be stressed: air, water, soils, forests, grasslands, wildlife, fish, and endangered species.

This course is an introductory biology course for biology majors and minors. It provides an introduction to the concepts of biological structure and function at the molecular and cellular level, genetics and evolution. Students have the opportunity to demonstrate in the laboratory the principles presented in lecture.

Basic principles of plant and animal biology, including cell biology, biochemistry, energetics, genetics, evolution, and ecology. Appreciation of scientific method in general and biological methodology. Lab component will emphasize the use of methodologies typical of biological studies.

Principles of Biology I presents an introduction to scientific methodology and biological principles applied to the molecular level of the structure and function of living organisms. This course is intended for pre-medicine, pre-dentistry, pharmacy, biology, and other science majors.

First semester of a two-semester introduction to biological sciences intended for biology and related majors. Topics include philosophical, historical and social context of biology; scientific method and investigative techniques; biological structure and function at molecular and cellular levels; genetics; and plant form, function and diversity. (3 lecture, 2 lab)

Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.

A course designed for biology majors and pre-professionals covering cell structure and function, the molecular basis of genetics, cellular energy systems, taxonomy, evolution, ecosystems, and ecology. Laboratories will include group projects, case studies, and laboratories related to current topics in biology.

### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ESSENTIALS IN CHEMISTRY</th>
</tr>
</thead>
</table>

Updated February 28, 2018
# MOTR COURSE NUMBER

MOTR CHEM 100

# KNOWLEDGE AREA

NATURAL SCIENCES

# TRANSFER CREDITS

3

# MOTR COURSE DESCRIPTION

Lecture course for non-science majors that will not take another chemistry course but would like a survey of the concepts in the discipline. Content emphasizes chemistry fundamental concepts and applications including scientific measurements and problem-solving.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Fundamentals of Chemistry</td>
<td>CHM 0151</td>
<td>3</td>
<td>This course is an introduction to some of the important principles and methods of chemistry with applications to the more common elements.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Living with Chemistry</td>
<td>CHM 103</td>
<td>3</td>
<td>A basic chemical principles course for non-majors, designed for general education and liberal studies students.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Chemistry for the Allied Health Sciences</td>
<td>CHEM 0121</td>
<td>3</td>
<td>Basic principles and practical applications of general, organic, and biological chemistry.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Chemistry for the Citizen</td>
<td>CHM 107</td>
<td>3</td>
<td>Principal concepts and applications of chemistry are presented. The course looks at both the beneficial side of chemical usage and the problems associated with chemical production and usage. The course provides information needed for a better understanding of environmental concerns, the chemical industry, consumer products and our alternate sources and storage of energy.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Fundamentals of Chemistry</td>
<td>CHM 116</td>
<td>3</td>
<td>Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of introductory chemistry.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>General Chemistry for Non-Science Majors</td>
<td>CHEM 1301</td>
<td>3</td>
<td>A one semester introduction to chemistry designed to acquaint the student with the philosophy of the chemist's approach to problem solving and the contribution of chemistry to society.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Basic Principles of Chemistry</td>
<td>CHEM 129</td>
<td>3</td>
<td>Basic Principles of Chemistry is a first course in college chemistry that introduces</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to the Sciences: Chemistry</td>
<td>CHEM 1103</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Introduction to the basic concepts of chemistry</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>and scientific methodology, emphasizing</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>the connections between chemistry, technology,</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>and all things in a modern world</td>
<td></td>
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</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Introductory Chemistry</td>
<td>CHEM 1000</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Introductory course for students with no</td>
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</tr>
<tr>
<td></td>
<td>high school background in chemistry. Covers</td>
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<tr>
<td></td>
<td>fundamental principles of scientific</td>
<td></td>
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<tr>
<td></td>
<td>measurement, stoichiometry, solutions, basic</td>
<td></td>
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<td></td>
<td>atomic structure, gases. No credit if taken</td>
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<tr>
<td></td>
<td>after CHEM 1100 or CHEM 1320.</td>
<td></td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Students transferring to this institution will</td>
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<tr>
<td></td>
<td>receive three (3) credits in the Natural Sciences</td>
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<tr>
<td></td>
<td>Knowledge Area.</td>
<td></td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>Chemistry for the Health Professions</td>
<td>CHEM 1052</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>An introduction to general, nuclear, structural</td>
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<tr>
<td></td>
<td>organic, organic reactions and biochemistry.</td>
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<tr>
<td></td>
<td>This course is designed primarily for students</td>
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<tr>
<td></td>
<td>in nursing and related health professions, and</td>
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<tr>
<td></td>
<td>should not be taken by students majoring in the</td>
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<tr>
<td></td>
<td>physical or biological sciences.</td>
<td></td>
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</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introductory Chemistry I-A</td>
<td>CHEM 1081</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Covers the topics taught in the first half of</td>
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<tr>
<td></td>
<td>CHEM 1111 but at a slower pace, thus allowing</td>
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<tr>
<td></td>
<td>students time to fully integrate the concepts</td>
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<tr>
<td></td>
<td>and thereby build a stronger foundation for</td>
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<tr>
<td></td>
<td>their subsequent Chemistry courses. CHEM 1081</td>
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<tr>
<td></td>
<td>consists of the first half of CHEM 1111 (excluding</td>
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<tr>
<td></td>
<td>laboratory experiments), whereas CHEM 1091 covers</td>
<td></td>
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<tr>
<td></td>
<td>all the laboratory experiments and second half of</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>lecture part of CHEM 1111.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Students transferring to this institution will</td>
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<tr>
<td></td>
<td>receive three (3) credits in the Natural Sciences</td>
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<tr>
<td></td>
<td>Knowledge Area.</td>
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</tr>
<tr>
<td>East Central College</td>
<td>Introduction to Forensic Chemistry</td>
<td>CH 100</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Non-laboratory course utilizing the inherently</td>
<td></td>
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<tr>
<td></td>
<td>fascinating topics of crime and criminal</td>
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<tr>
<td></td>
<td>investigations as a context for teaching the</td>
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<tr>
<td></td>
<td>fundamental chemical concepts most often covered</td>
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<tr>
<td></td>
<td>in an introductory non-majors course. All the</td>
<td></td>
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<tr>
<td></td>
<td>standard topics are covered while bringing</td>
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<tr>
<td></td>
<td>together the theme of forensic science and the</td>
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<tr>
<td></td>
<td>fundamentals of chemistry in ways that are</td>
<td></td>
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<tr>
<td></td>
<td>effective and accessible for students. Topics</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>include Introduction to Forensic Chemistry,</td>
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<tr>
<td></td>
<td>Evidence Collection and Preservation, Atomic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Structure, Periodic Chemical Properties, Chemistry</td>
<td></td>
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<tr>
<td></td>
<td>of Bonding, Properties of Solutions, Intermolecular</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Forces, Drug Chemistry, Arson Investigation,</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Chemistry of Explosions, Estimating Time of</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Death, Nuclear Chemistry, Poisons, and Biological</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>Chemistry of Food</td>
<td>CH 103</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>A general education course utilizing the</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>inherently attractive topics of food chemistry</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>as a context for teaching the fundamental chemical</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>concepts most often covered in an introductory</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>non-majors course.</td>
<td></td>
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</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jefferson College</td>
<td>Concepts of Chemistry</td>
<td>CHM 102</td>
<td>3</td>
<td>This course explores the fundamental concepts of chemistry and chemical bases for everyday events. Included are discussions of the scientific method and measurement, the laws of conservation, chemical bonding, chemical reactions, stoichiometry and how chemistry can be used to understand processes encountered in everyday life and the environment.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Fundamentals of Chemistry</td>
<td>CHM 106</td>
<td>3</td>
<td>Emphasis on chemical fundamentals and applications</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Fundamentals of Chemistry</td>
<td>CHM 116</td>
<td>3</td>
<td>Emphasis on chemical fundamentals and applications</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Chemistry</td>
<td>CHM 101</td>
<td>3</td>
<td>Introduction to basic principles of chemistry, including measurements and problem-solving, atomic theory, chemical nomenclature, chemical reactions, molecular structure, properties of gases, liquids and solids, acid-base chemistry and oxidation-reduction chemistry.</td>
</tr>
<tr>
<td>St Louis Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>
# Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ESSENTIALS IN CHEMISTRY WITH LAB (NON-SCIENCE MAJORS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR CHEM 100L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
</tbody>
</table>

**MOTR COURSE DESCRIPTION**

Lecture and laboratory course for non-science majors that will not take another chemistry course but would like a survey of the concepts in the discipline. Content emphasizes chemistry fundamental concepts and applications including scientific measurements and problem solving.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Fundamentals of Chemistry Lecture with Lab</td>
<td>CHEM 0151/0152</td>
<td>4</td>
<td>CHEM 0151: This course is an introduction to some of the important principles and methods of chemistry with applications to the more common elements. CHEM 0152: An introduction to some of the important principles and techniques of the chemistry laboratory. Experiments will be based on topics discussed in the lecture course.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Living with Chemistry Lecture with Lab</td>
<td>CHM 103/104L</td>
<td>4</td>
<td>CHM 103: A basic chemical principles course for non-majors, designed for general education and liberal studies students. Can be used to satisfy a part of the general education science requirement. CHM 104L: A basic chemical principles laboratory to accompany the Living with Chemistry course. Fulfills general education lab requirement.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Chemistry for the Citizen Lecture with Lab</td>
<td>CHM 107/108</td>
<td>4</td>
<td>CHM 107: A course for the non-science major. Principal concepts and applications of chemistry are presented. The course looks at both the beneficial side of chemical usage and the problems associated with chemical production and usage. The course provides information needed for a better understanding of environmental concerns, the chemical industry, consumer products and our alternate sources and storage of energy. CHM 108: A one semester course for the non-science major. Principal concepts and applications of chemistry are presented. Emphasis on experiments and lab skills associated with the lecture</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>CRN</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri State University</td>
<td>Fundamentals of Chemistry Lecture with Lab</td>
<td>CHM 116/117</td>
<td>4</td>
<td>CHM 116: Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of general chemistry. CHM 117: Laboratory component emphasizing fundamentals and applications covered in CHM 116.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introductory Chemistry</td>
<td>CHE 101</td>
<td>4</td>
<td>Chemistry for liberal arts and sciences students; meets the minimum physical science requirement.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Fundamentals of Chemistry</td>
<td>CHE 104</td>
<td>4</td>
<td>A survey of chemistry with special emphasis on solution and biochemistry; for students majoring in scientific and technological fields such as nursing.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>General Chemistry with Laboratory</td>
<td>CHEM 2412/24113</td>
<td>4</td>
<td>CHEM 24112: Beginning course for those who did not take chemistry in high school. Must be taken concurrently with CHEM 24113. Serves as a refresher course for science majors and satisfies the general laboratory physical science requirement. Involves a study of elements, compounds and fundamental chemical laws. CHEM 24113: Beginning laboratory course which must be taken concurrently with CHEM 24112 lecture. Two hours of laboratory and recitation.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Basic Principles of Chemistry</td>
<td>CH 181/001/081</td>
<td>4</td>
<td>CH 181/001/081: A one semester survey of the fundamental principles and systematic behavior of matter. Three lecture hours (CH 181), one recitation hour (CH 001), two lab hours (CH 081) must be taken concurrently.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Chemistry for the Allied Health Sciences</td>
<td>CH 182</td>
<td>4</td>
<td>Survey of the basic principles and practical applications of general, organic, and biological chemistry designed for allied health programs</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Chemistry for Contemporary Living</td>
<td>CHEM100</td>
<td>4</td>
<td>An introduction to the basic principles of modern chemistry and their applications to social, economic, and political issues.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to the Sciences: Chemistry GE</td>
<td>CHEM 1104</td>
<td>4</td>
<td>Introduction to the basic concepts of chemistry and scientific methodology, emphasizing the connections between chemistry, technology, and all things in a modern world. Labaratory included.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Atoms and Molecules with Lab</td>
<td>CHEM 1100</td>
<td>4</td>
<td>One-semester introduction for non-science majors to the basic concepts and important applications of chemistry.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Chemistry, Society, and the Environment</td>
<td>CHEM 160/160L</td>
<td>4</td>
<td>This course is intended to offer a survey of chemical and scientific concepts surrounding current issues. The emphasis will be on the application of fundamental chemical knowledge to allow a full understanding of these issues in the context of currently known facts and theories. Through classroom discussion and application of the scientific method, the ramifications of the issues will be examined. Topics will include pollution, the importance of the chemical industry, its responsibilities to society, and other items of current scientific and</td>
</tr>
<tr>
<td>Institution</td>
<td>Course</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Basic Chemistry</td>
<td>CHEM 180/181L</td>
<td>4</td>
<td>A one-term course in general chemistry with special emphasis on organic chemistry and biochemistry.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Elements of Chemistry</td>
<td>CHEM 115/115L</td>
<td>4</td>
<td>A one-term course in general chemistry with special emphasis on organic chemistry and biochemistry. A terminal course that does not meet requirements as a prerequisite for any higher level chemistry course.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Survey of Chemistry</td>
<td>CHEM 101</td>
<td>4</td>
<td>This course for non-science majors satisfies part of the general education science requirement. The scope of the course is quite broad with emphasis on descriptive rather than theoretical chemistry. Topics illustrating the impact of chemistry on society and aspects of chemistry applicable to everyday living are taken from inorganic, organic and biochemistry.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Chemistry for Health Sciences</td>
<td>CHEM 104</td>
<td>4</td>
<td>This course for students planning to enter certain health fields satisfies part of the general education science requirement. The scope of the course is quite broad with emphasis on descriptive rather than theoretical chemistry. Topics are taken from inorganic, organic and biochemistry with emphasis on those concepts that have application in human health.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Chemistry of Food with Lab</td>
<td>CHM 103/104</td>
<td>4</td>
<td>A general education course utilizing the inherently attractive topics of food chemistry as a context for teaching the fundamental chemical concepts most often covered in an introductory non-majors course. Topics include: Scientific method, Atomic Structure, Periodic Chemical Properties, Chemistry of Bonding, Properties of Solutions, Intermolecular Forces, heat, calorie, rate and equilibrium of reactions, acid and base, and biochemistry. This course also covers special topics in proteins, fats, sugars, food microbes, and fermentations process. CHM 104: This science lab course in food chemistry, combined with CH*1073, The Chemistry of Food, will satisfy General Education requirement at East Central College. Using experiments and hands on critical exploration, this course is designed to reinforce food chemistry topics taught in lecture. Topics of study include, but not limited to, a series of experiments studying the chemistry of eggs, meat, fish, sugars, and fats.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Introduction to Chemistry</td>
<td>CHM 101</td>
<td>4</td>
<td>Introductory Chemistry gives students the opportunity to learn about and construct an understanding of the fundamental concepts and laws that describe the composition, structure, and behavior of matter. The theory and practical applications of the concepts will be emphasized.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Survey of Chemistry</td>
<td>CHEM 101</td>
<td>4</td>
<td>Survey of the principles of chemistry and the role and significance of chemistry in the modern world.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Preparatory General</td>
<td>CHEM 107</td>
<td>4</td>
<td>Introduction to the elementary principles of chemistry with emphasis on environmental interest. CHEM 160L: It will consist of field activities, experiments, and demonstrations to reinforce the concepts and ideas presented in that course.</td>
</tr>
<tr>
<td>College</td>
<td>Course</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Introductory Chemistry for Health Sciences</td>
<td>4</td>
<td>The principles of general, organic, and biological chemistry for science students</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Introductory Chemistry</td>
<td>4</td>
<td>A presentation of the fundamentals of chemistry for the non-science major who needs a course in physical science or who wishes to broaden his general scientific knowledge</td>
<td></td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Fundamentals of Chemistry Lecture with Lab</td>
<td>4</td>
<td>CHM 116: Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of introductory chemistry. CHM 117: Emphasis on experiments and lab skills associated with the lecture material in CHM 116, such as chemical fundamentals and applications. Recommended for students needing only one semester of general chemistry lab.</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Foundations of Chemistry</td>
<td>4</td>
<td>Foundations of Chemistry introduces students to the basic principles of chemistry. Topics covered include scientific measurement, atomic and molecular structure, chemical nomenclature, stoichiometry, solutions and gases. This course is intended for non-science majors and includes a laboratory component.</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Introduction to Chemistry</td>
<td>4</td>
<td>A beginning chemistry course primarily for non-science majors. An introduction to the basic principles of chemistry emphasizing the importance of chemistry in the real world and its impact on society and the environment.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Introductory Chemistry</td>
<td>4</td>
<td>This is an introductory course designed to study basic chemical principles. Topics include atomic structure, measurement, bonding, properties of gases, acids and bases, solutions, organic nomenclature, functional groups, carbohydrates, lipids, proteins, and nucleic acids. Laboratory activities give students the opportunity to demonstrate chemical principles presented in lecture.</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Chemistry with Lab</td>
<td>4</td>
<td>CHM 101: Introduction to basic principles of chemistry, including measurements and problem-solving, atomic theory, chemical nomenclature, chemical reactions, molecular structure, properties of gases, liquids and solids, acid-base chemistry and oxidation-reduction chemistry. CHM 103: Hands-on course with emphasis on proper laboratory techniques and experimental activities that illustrate concepts studied in CHM 101.</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Fundamentals of Chemistry I</td>
<td>4</td>
<td>Fundamental of Chemistry I is a one semester course which presents the fundamental concepts and symbolism of chemistry with applications to everyday life. The course is suited for allied health students and for students not planning to major in science. Laboratory work presents opportunity to use laboratory equipment, emphasizes observations and measurements, and provides elementary quantitative and qualitative analysis.</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Chemistry and the Environment</td>
<td>4</td>
<td>This course is a one-semester course presenting the concepts and symbolism of chemistry with an emphasis on the natural environment and applications to everyday life.</td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Course Name</td>
<td>Course Number</td>
<td>Credits</td>
<td>Course Description</td>
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</tr>
<tr>
<td>State Fair Community College</td>
<td>Introduction to Chemistry with Lab</td>
<td>CHEM101</td>
<td>4</td>
<td>One semester course for non-science majors designed to acquaint the student with scientific reasoning. A writing intensive course, which introduces the principles of the nature of matter/atom, reactions, reaction pathways, solutions, measurements, instrumentation, nuclear chemistry, organic/biological molecules and their applications to current issues.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Introductory Chemistry</td>
<td>CHEM 111</td>
<td>4</td>
<td>This course covers basic terminology and principles of chemistry. Topics include chemical educations, mole concept, gas laws, atomic theory, chemical bonding, acid-base theory, solutions, and stoichiometry. Laboratory experiences reinforce the chemical principles presented in class. Lecture 4 hours/ Laboratory 2 hours Total 6 hours per week</td>
</tr>
</tbody>
</table>

### Missouri Higher Education Core Transfer Curriculum

**MOTR COURSE NAME**: CHEMISTRY I  
**MOTR COURSE NUMBER**: MOTR CHEM 150  
**KNOWLEDGE AREA**: NATURAL SCIENCES  
**TRANSFER CREDITS**: 3  
**MOTR COURSE DESCRIPTION**: Chemistry lecture course for majors that will take other chemistry courses. This course is generally the first course in a two-course sequence. This course emphasizes modern atomic theory, structure and behavior of atoms and molecules, physical properties of matter, chemical reactions and energy relations, periodicity, the mole concept and its applications, and scientific measurements.  
**INSTITUTION**: Harris-Stowe State University  
**COURSE NAME**: General Chemistry  
**COURSE NUMBER**: CHEM 0255  
**TRANSFER CREDITS**: 3  
**COURSE DESCRIPTION**: This course is structured to provide a general background in chemistry, theoretical as well as descriptive, covering topics such as properties of matter, atomic theory, periodic arrangement, chemical bonds, states of matter, oxidation-reduction, acids and bases. The scientific method is discussed as...
applied to the chemical sciences. It is appropriate as a first course in chemistry for those who want to continue their study of chemistry and for those who want to broaden their knowledge of the sciences.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>General Chemistry I</td>
<td>CHEM 0140 3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter, the changes that occur during chemical reactions, and the quantitative aspects of these changes.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>General Chemistry I</td>
<td>CHM 160 3</td>
<td>Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors, and most preprofessional students.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>General Chemistry I</td>
<td>CHEM 1310 3</td>
<td>A comprehensive study of general chemistry concepts with focus on the atomic and molecular nature of matter. Fundamental scientific principles will be applied to solve chemistry problems and describe macroscopic physical properties.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Equivalent Course</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>General Chemistry I</td>
<td>CHM 160</td>
<td>Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors and most pre-professional students.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>General Chemistry I</td>
<td>CHM 160</td>
<td>This course is a study of the fundamental laws and theories of chemical structures and reactions. Topics include: atomic theory, stoichiometry, aqueous reactions, properties of gases, liquids, and solids, periodicity, bonding, thermodynamics, and properties of solutions.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>
## Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>CHEMISTRY I WITH LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR CHEM 150L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>Chemistry lecture and laboratory course for majors that will take other chemistry courses. This course emphasizes modern atomic theory, structure and behavior of atoms and molecules, physical properties of matter, chemical reactions and energy relations, periodicity, the mole concept and its applications, and scientific measurements.</td>
</tr>
</tbody>
</table>

### INSTITUTION | COURSE NAME | COURSE NUMBER | TRANSFER CREDITS | COURSE DESCRIPTION |
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>General Chemistry I with Lab</td>
<td>CHEM 0255/0256</td>
<td>4</td>
<td>CHEM 0255: This course is structured to provide a general background in chemistry, theoretical as well as descriptive, covering topics such as properties of matter, atomic theory, periodic arrangement, chemical bonds, states of matter, oxidation-reduction, acids and bases. The scientific method is discussed as applied to the chemical sciences. It is appropriate as a first course in chemistry for those who want to continue their study of chemistry and for those who want to broaden their knowledge of the sciences. CHEM 0256: This course is structured to supplement a general chemistry course (CHEM 0255) with instructions in the elementary techniques and safety procedures used in the chemical laboratory. The scientific method is discussed as applied to the chemical sciences. It is appropriate as a supplement to a first course in chemistry for those who want to continue their study of chemistry and for those who want to broaden their knowledge base of the sciences.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>General Chemistry I</td>
<td>CHM 101</td>
<td>4</td>
<td>Introduction to chemistry with emphasis on principles. Also includes a survey of the descriptive chemistry of the elements. Three one-hour lectures and one three-hour laboratory.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>General Chemistry I</td>
<td>CHM 160/161</td>
<td>4</td>
<td>CHM 160: Concurrent enrollment in CHM 161 is highly recommended. Emphasis</td>
</tr>
<tr>
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<td>Course</td>
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<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
<td>A comprehensive study of general chemistry concepts with focus on the atomic and molecular nature of matter. Fundamental scientific principles will be applied to solve chemistry problems and describe macroscopic physical properties. CHEM 1319: The laboratory work accompanying general chemistry consists of experiments designed to supplement lectures in CHEM 1310.</td>
<td></td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
<td>Basic concepts of chemistry: atomic theory and periodic system, chemical calculations, oxidation-reduction, states of matter, theory of chemical bonding, atomic structures.</td>
<td></td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
<td>Beginning course for science majors with a good high school background in chemistry. Must be taken concurrently with CHEM 24115. This course covers fundamental chemical principles such as atoms, molecules, chemical reactions, stoichiometry, and gas laws as it progresses towards detailed study of quantum chemistry, periodic relationships, and molecular structure and properties.</td>
<td></td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>General Chemistry</td>
<td>4</td>
<td>A study of atomic structure, chemical bonding, properties of matter and chemical reactions.</td>
<td></td>
</tr>
<tr>
<td>Truman State University</td>
<td>Chemical Principles I</td>
<td>4</td>
<td>Chemical Principles I is a continuation and expansion of the topics introduced in CHEM 129 - Basic Principles of Chemistry. CHEM 130 quickly reviews the material covered in CHEM 129 - Basic Principles of Chemistry and then expands upon this base to cover the fundamental concepts of chemistry. Topics beyond those in CHEM 129 - Basic Principles of Chemistry include thermodynamics (enthalpy, entropy and the Gibbs energy), kinetics, basic equilibrium, quantum mechanics and simple approaches to bonding (Lewis dot structures and VSPER theory).</td>
<td></td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
<td>First of a two course sequence that introduces the fundamental principles of chemistry and the reactivity of chemical elements and compounds. This course emphasizes modern atomic theory, structure and behavior of atoms and molecules, physical properties of matter, chemical reactions and energy relations, periodicity, and the mole concept and its applications. Includes laboratory experience.</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>College Chemistry I</td>
<td>4</td>
<td>First of two-course sequence emphasizing principles and applications of modern chemical sciences. Covers chemical nomenclature, stoichiometry, kinetic molecular theory, atomic structure, periodic properties, and molecular structure and bonding.</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>College Chemistry I-Honors</td>
<td>CHEM 1320H</td>
<td>4</td>
<td>First of two-course sequence emphasizing principles and applications of modern chemical sciences. Covers chemical nomenclature, stoichiometry, kinetic molecular theory, atomic structure, periodic properties, and molecular structure and bonding.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Honors Intensive General Chemistry with Lab-Honors</td>
<td>CHEM 1500H</td>
<td>4</td>
<td>A one-semester, intensive introduction to chemistry for honors-eligible students that takes the place of CHEM 1320, CHEM 1330. Four lectures and one 3-hour lab period per week.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>General Chemistry I with Lab</td>
<td>CHEM 211/211L</td>
<td>4</td>
<td>Stoichiometry, gas laws, thermochemistry, atomic structure, molecular shapes and bonding theories. CHEM 211L: Introduction to the laboratory techniques used in studying the chemical properties of substances. Some quantitative techniques are included.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introductory Chemistry I-B</td>
<td>CHEM 1091</td>
<td>4</td>
<td>CHEM 1091 is the completion of CHEM 1111 for students who have completed CHEM 1081. The laboratory portion of this course will start at the beginning of the semester. The lecture part of the course starts in mid-semester and students join an ongoing CHEM 1111 class. Students who completed CHEM 1081 must complete CHEM 1091 to be considered as having completed the equivalent of CHEM 1111. Three hours of lecture and one and one half hours of workshop during the second half of the semester, and three hours of laboratory per week during the entire semester.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introductory Chemistry I</td>
<td>CHEM 1111</td>
<td>4</td>
<td>Presents an introduction to the fundamental laws and theories of chemistry. Laboratory experiments are designed to demonstrate some aspects of qualitative and quantitative analysis and to develop skills in laboratory procedures.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>General Chemistry I</td>
<td>CHEM 111</td>
<td>4</td>
<td>This class emphasizes the fundamental principles of chemistry. It includes a study of atomic and molecular structure, chemical bonding, stoichiometry, gases, liquids, solids, changes of state, solutions, colloids, chemical equilibria and acid-base chemistry.</td>
</tr>
<tr>
<td>East Central College</td>
<td>General Chemistry I with Lab</td>
<td>CHM 111</td>
<td>4</td>
<td>A study of atomic and molecular structure, bonding, chemical equations, stoichiometry, gases, and solutions.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>General Chemistry I</td>
<td>CHM 111</td>
<td>4</td>
<td>General Chemistry I is a study of the composition and structure of matter with emphasis on fundamental laws and related computations. The topics covered include stoichiometry, atomic structure, radioactivity, chemical bonding, chemical reactions in aqueous solutions, physical states of matter, and properties of gases. Laboratory time is required.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors General Chemistry I</td>
<td>CHM 111H</td>
<td>4</td>
<td>Honors General Chemistry I is a study of the composition and structure of matter with emphasis on fundamental laws and related computations. The topics covered include stoichiometry, atomic structure, radioactivity, chemical bonding, chemical reactions in aqueous solutions, physical states of matter, and properties of gases. Laboratory time is required. This course involves three hours of lecture, and laboratory time is required.</td>
</tr>
<tr>
<td>College</td>
<td>Course</td>
<td>Credits</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------</td>
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<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>General Chemistry I</td>
<td>4</td>
<td>Introduction to the understanding of atoms and molecules: their qualitative and quantitative reactions and interactions.</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>General Chemistry I</td>
<td>4</td>
<td>A presentation of the fundamentals of chemistry for the science or engineering major. The laboratory emphasizes quantitative measurements and procedures.</td>
<td></td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
<td>Emphasis on fundamental and theoretical concepts of chemistry. Concurrent registration in CHM 161 is highly recommended. CHM 161: An introduction to laboratory chemistry employing principles and techniques that reflect material presented in CHM 160, e.g., synthesis, stoichiometry, physical studies and data manipulation and interpretation.</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>General Chemistry I</td>
<td>4</td>
<td>General Chemistry I is the first course in the general chemistry sequence and emphasizes the fundamental principles of chemistry. Topics include measurement, physical and chemical processes, nomenclature, atomic structure, quantum theory, stoichiometry, molecular structure, bonding theory, physical properties of gases, thermochemistry, and properties of solutions. Upon completion of the course, students should be able to demonstrate an understanding of the fundamental chemical laws and concepts and will obtain prerequisite chemical knowledge needed for advancement to General Chemistry II.</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>General Chemistry I</td>
<td>4</td>
<td>A rigorous introductory chemistry course primarily for science, engineering and science education majors. An introduction to the elementary principles of modern chemistry emphasizing structure and properties of matter, stoichiometry, nomenclature and bonding. Lecture and laboratory.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
<td>This course is a study of the fundamental laws and theories of chemical structures and reactions. Topics include: atomic theory, stoichiometry, aqueous reactions, properties of gases, liquids, and solids, periodicity, bonding, thermodynamics, and properties of solutions. CHM 161: The lab emphasizes proper laboratory technique, synthesis, physical studies, qualitative and quantitative analysis, and data manipulation and statistical analysis.</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>General Chemistry I</td>
<td>4</td>
<td>Study of how compounds are formed and named, chemical equations, calculations and problem-solving involving elements, compounds and chemical equations including stoichiometry, thermochemistry; properties of gases, solids, solutions, and acids and bases. Experiments introduce basic lab skills and aspects of qualitative and quantitative analysis.</td>
<td></td>
</tr>
</tbody>
</table>
**St. Louis Community College**

- **Course**: General Chemistry I
- **Code**: CHM 105
- **Credits**: 4

General Chemistry I is a one-semester course designed for science-related majors that emphasizes the fundamental principles of chemistry. Topics include measurement, physical and chemical processes, nomenclature, atomic structure, quantum theory, stoichiometry, molecular structure, bonding theory, physical properties of gases, thermochemistry, and properties of solutions. Upon completion of the course, students should be able to demonstrate an understanding of the fundamental chemical laws and concepts and will obtain prerequisite chemical knowledge needed for advancement to General Chemistry II. Additional lab hours required.

**State Fair Community College**

- **Course**: General Chemistry I with Lab
- **Code**: CHEM 123
- **Credits**: 4

Intended for the science major and science-oriented fields; examines the structure of the atom, periodic classification, molecular structures, chemical reactions, aqueous solutions, and chemical energetics.

**State Technical College of Missouri**

- **Course**: General Chemistry with Lab I
- **Code**: PHY 121
- **Credits**: 4

UNDER REVIEW BY FACULTY DISCIPLINE GROUP

This course is a comprehensive study of general chemistry concepts and emphasizes the fundamental principles of chemistry including measurement, physical and chemical processes, nomenclature, atomic structure, quantum theory, stoichiometry, molecular structure, bonding theory, physical properties of gases, thermochemistry, and properties of solutions.

**Three Rivers College**

- **Course**: General Chemistry I
- **Code**: CHM 121
- **Credits**: 4

This course uses basic chemical principles in order to solve chemical problems. Topics include the atomic theory, stoichiometry, thermochemistry, chemical bonding, kinetic molecular theory, gas laws, solutions, and electrolytes. Laboratory work appropriate to these topics is also covered in the course.

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>PHYSICAL GEOGRAPHY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR GEOG 100</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
### MOTR COURSE DESCRIPTION

A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Principles of Geography</td>
<td>GEOG 0200</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Introduction to Environmental Science</td>
<td>ENV 103</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. Introduction to the principles and basic facts of the natural environment. Topics include earth materials, land forms, weather and climate, vegetation and soils, and the processes of environmental changes including contamination and their implications to economic and human systems. Three hours lecture.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Physical Geography</td>
<td>GEOG 0120</td>
<td>3</td>
<td>A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Physical Geography</td>
<td>GEOG 2100</td>
<td>3</td>
<td>A survey that investigates global climates, soils, vegetation, and landforms and the causes, effects, and interactions among these elements to create unique physical environments.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Units</td>
<td>Description</td>
</tr>
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<td>----------------------------------</td>
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</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Introduction to Physical Geography</td>
<td>GEOG 2610</td>
<td>3</td>
<td>Examination of the interacting natural systems that comprise the Earth's physical environment, including the atmosphere, biosphere, and landforms. Focus on relating fundamental physical, chemical and ecological processes to the global geographic patterns they produce.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Introduction to Physical Geography</td>
<td>GEOG 150</td>
<td>3</td>
<td>This course is an introduction to the study of the natural environmental systems of earth—the atmosphere, the hydrosphere, the biosphere, and the lithosphere. The primary objective of the course is to provide a broad overview of these systems at a global scale. This overview will entail descriptions of natural systems and the variations they exhibit both from place to place and through time. It will also entail explaining how natural systems operate and interact with each other, thereby providing a necessary foundation for understanding the tremendously diverse physical geography of earth. Applies to natural science requirement.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Geography for Educators</td>
<td>GEOG 110</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. Review of National Geography Standards, the DESE Common Core Standards for geographic studies, and the general education assessment review topics for the geographic area of social sciences.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>St. Charles Community College</td>
<td>Principles of Geography</td>
<td>GEOG 100</td>
<td>3</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Physical Geography</td>
<td>GEG 103</td>
<td>3</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
</tbody>
</table>

**UNDER REVIEW BY FACULTY DISCIPLINE GROUP.** Covers the major areas of geographic study, both physical and cultural, and how each is distributed globally. Promotes understanding of a multicultural world and the differing values held by people throughout that world.

This course introduces the characteristics of the Earth's surface and the interaction of processes that produce a world pattern of distinctive environments significant to humanity. Topics include Earth surface processes and the development of landforms and landscapes; weather and climate; soils and vegetation and their global distribution.

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

Transfer Credits: 4

**Missouri Higher Education Core Transfer Curriculum**

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<thead>
<tr>
<th>MOTR COURSE NAME</th>
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</tr>
</thead>
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<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR GEOG 100L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
</tbody>
</table>
### MOTR COURSE DESCRIPTION

An introductory lecture and laboratory course of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
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<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
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</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Introduction to Environmental Science with Lab</td>
<td>ENV 103/104L</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP Introduction to the principles and basic facts of the natural environment. Topics include earth materials, land forms, weather and climate, vegetation and soils, and the processes of environmental changes including contamination and their implications to economic and human systems. ENV 104L: Hands-on laboratory and field investigations designed to reinforce principles and basic facts of the natural environment.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introductory Physical Geography</td>
<td>GRY 142</td>
<td>4</td>
<td>A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Physical Geography</td>
<td>GEO 160</td>
<td>4</td>
<td>Analysis of Earth's physical systems, Earth-Sun relationships, weather and climate, soils and landforms, fluvial processes, global vegetation, exercises involving data collection, aerial photography and map interpretation, and data analysis. Three hours lecture and two hours lab.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>General Earth Science</td>
<td>GEOL 27114/27115</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP GEOL 27114: A general introductory survey of the earth sciences of physical geography, geology, oceanography, climatology and meteorology. The connection between the various components of the earth system will be analyzed. GEOL 27115: This course gives students the chance to apply, through written exercises, the concepts discussed in GEOL 27114.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Institution</td>
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<td>Credits</td>
<td>Description</td>
<td></td>
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<tr>
<td>-------------------------------------------------</td>
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<td></td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Introductory Physical Geography</td>
<td>GRY 142</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area. A study of the earth’s natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized.</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
</tbody>
</table>
Three Rivers College  | No equivalent course  | N/A  | 4  | Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.

### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>GEOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR GEOL 100</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
</tbody>
</table>

**MOTR COURSE DESCRIPTION**

An introductory lecture course in physical geology that studies the materials, structure, and surface features of the Earth and the processes which have shaped it.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>General Geology</td>
<td>GEOL 0250I</td>
<td>3</td>
<td>Among the topics discussed are erosion and deposition, plate tectonics, earthquakes, exploratory geology and planetary geology. This course involves field and laboratory experiences in addition to classroom lectures. (S)</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Environmental Geology</td>
<td>GLG 171</td>
<td>3</td>
<td>Treats those aspects of geology that interface directly with humanity. Key concepts of Earth processes and how they relate to geologic hazards, mineral and energy resources, and sustainability. Human dependence on geologic resources is examined and related to issues confronting society.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Physical and Environmental Geology</td>
<td>GEOLOGY 1110</td>
<td>3</td>
<td>Materials, structure, and surface features of the Earth and planets are studied in the context of the processes that continuously transform the Earth and affect management of Earth resources, hazards, engineering problems, and</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Physical Geology</td>
<td>GO 110</td>
<td>3</td>
<td>Comprehensive introduction to geology; earth materials, internal and external processes, time, resources and environmental hazards. Two lectures, one lab per week.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Physical Geology</td>
<td>NASC 140</td>
<td>3</td>
<td>This course includes laboratory investigations. A study of the materials comprising the crust of the earth and of the various processes which have shaped the surface of the earth.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Planet Earth</td>
<td>GEOL 1050</td>
<td>3</td>
<td>An introduction to Earth Science. Topics include: evidence for continental drift and plate tectonics, causes and prediction of natural hazards, the scale of geological time.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Physical Geology for Scientists and Engineers</td>
<td>GEOL 1150</td>
<td>3</td>
<td>Introduction to physical geology and basic earth processes with a focus on applications and societal relevance. In addition to basic geologic processes, introductory mechanics and hydraulics will illustrate the interactions between geology and engineering.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>General Geology</td>
<td>GEOLOGY 220</td>
<td>3</td>
<td>Geology is the study of Earth, the materials that make up the Earth, and the forces and processes that build and shape the continents, oceans, and life on Earth. The goal of this course is for students to gain an understanding of the fundamental concepts and scientific principles that underlie the physical, chemical, and biological processes that shape our Earth and to learn to think critically about scientific information and how geologic processes affect us every day.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>General Geology Lecture</td>
<td>GEOL 1001A</td>
<td>3</td>
<td>Earth materials and processes, including geological aspects of the resource/energy problem.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Introduction to Physical Geology Lecture</td>
<td>GEO 101</td>
<td>3</td>
<td>An introductory course in physical geology that covers the historical aspects of the geological sciences, plate tectonics as a unifying theory of geology, igneous and metamorphic processes, structural geology and geomorphology; weathering and sedimentary processes. Field trip required.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Institution</td>
<td>Course Description</td>
<td>Credits</td>
<td>Notes</td>
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</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Earth Science I</td>
<td>PHS 2420</td>
<td>An introduction to the earth sciences emphasizing structure, materials, history of the earth, and the processes that occur in shaping the earth and oceanography.</td>
<td></td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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</tr>
<tr>
<td>St. Charles Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Environmental Geology</td>
<td>GEO 103</td>
<td>This introductory geoscience course focuses on natural hazards and the human consequences associated with geologic processes. Topics include the study of plate tectonics, earthquakes, volcanoes, floods, tornadoes, storms, wildﬁres, climate change and global warming. Emphasis is placed on how those hazards affect humans and how human activity affects Earth's environment.</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Earth Science</td>
<td>GEO 100</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP This introductory geoscience course emphasizes basic principles of astronomy, geology, oceanography and meteorology. Topics covered include the origin of the Universe, solar system and Earth, minerals and rocks, plate tectonics, geologic time, prehistoric life and evolution, ocean structure and life, weather and climate change.</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Environmental Geology</td>
<td>EASC 118</td>
<td>Focuses on natural hazards and the human consequences associated with geologic processes. Topics include the study of plate tectonics, earthquakes, volcanoes, floods, tornadoes, storms, wildﬁres, pollution, climate change, and global warming. Emphasis is placed on how those hazards affect humans and how human activity affects Earth’s environment.</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Environmental Geology</td>
<td>PHYS 150</td>
<td>This course provides an introduction to the relationship between geology, life, and society. The course explores the fundamental concepts of environmental geology, which includes Earth’s systems, hazardous Earth processes, scientific knowledge and values, human population growth, and sustainability. Lecture 3</td>
<td></td>
</tr>
</tbody>
</table>

Updated February 28, 2018
# Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>GEOLOGY WITH LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR GEOL 100L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>An introductory lecture and laboratory course in physical geology that studies the materials, structure, and surface features of the Earth and the processes which have shaped it.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Intro. To Geology/Lab</td>
<td>GEOL 0120</td>
<td>4</td>
<td>Materials of the earth, structures and geologic features of the surface in relation to the processes and forces producing them. Laboratory study of minerals and rocks and topographic and geologic maps. Additional one-day field trips may be required. Three lectures, two two-hr. labs per week.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Principles of Geology</td>
<td>GLG 110</td>
<td>4</td>
<td>How Earth works. The building blocks of Earth: minerals and rocks. Earth’s dynamic interior: plate tectonics, earthquakes, volcanism, and mountain building. Surface processes associated with streams, ground water, glaciers, wind, and shorelines. Laboratory instruction in identification of common minerals and rocks, the use of topographic maps, and landform identification from topographic maps. Optional weekend field trips. Supplemental course fee.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Intro. Physical Geology</td>
<td>GEOLOGY 1111</td>
<td>4</td>
<td>A study of Earth materials, surface features, internal structures and processes. Particular attention is paid to Earth resources, geological hazards, engineering and environmental problems.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Missouri Western State University</td>
<td>Physical Geology</td>
<td>ESC111</td>
<td>4</td>
<td>Survey of geologic materials and processes, including quantitative and qualitative methods for studying geology.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>General Geology</td>
<td>GEOL 27119/27111</td>
<td>4</td>
<td>A study of Earth as a dynamic planet, with a focus on internal and external processes. Common themes include: earth materials, earthquakes, volcanism, mountain building, streams, groundwater, and surficial processes. When possible, these processes are placed in the context of human uses and other impacts. Three one hour lectures per week. GEOL 27111: 'Hands-on' laboratory instruction in identification of common minerals and rocks, the uses of topographic maps, surface and subsurface processes, and water and related resources. Laboratory methods may include physical identification, pen and paper analyses, and computer-based data analyses.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Earth Science: Environmental Hazards</td>
<td>GO 150/050</td>
<td>4</td>
<td>GO 150: An examination of Earth’s systems, how they work, and how they relate to people, with emphasis on natural and man-made hazards to society. Two lectures, one lab per week. GO 050: An examination of Earth's systems, how they work, and how they relate to people, with emphasis on natural and man-made hazards to society. Two lectures, one lab per week.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to Geology</td>
<td>EASC 1004</td>
<td>4</td>
<td>Fundamental principles of geology. Minerals, rocks, plate tectonics, volcanoes, earthquakes, fossils &amp; evolution of life on Earth, landscape formation by streams, glaciers, and underground water. Laboratory included. An additional fee is associated with this course.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Prin. Of Geo w/Lab</td>
<td>GEOL 1100</td>
<td>4</td>
<td>Earth processes and products and their impact on human needs and the environment. One field trip.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Environmental Geology w/Lab</td>
<td>GEOL 1200</td>
<td>4</td>
<td>The interaction between geologic processes and human society. Topics include mineral, water, and energy resources, volcanic hazards, earthquakes, landslides, floods, coastal erosion, pollution problems and environmental management.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Field Methods in Earth and Environmental Science</td>
<td>GEOLOGY 250L</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. A field-based course covering basic methods used by earth scientists for environmental, geographic, and geologic investigations. Students will collect field data at off-campus sites, conduct periodic monitoring, and analyze samples using departmental and personal instrumentation. Students will work on collaborative projects and will present their results. Class will meet weekly for four hours in the field.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>General Geology + Lab</td>
<td>GEOL 1001/1001L</td>
<td>4</td>
<td>Earth materials and processes, including geological aspects of the resource/energy problem. Laboratory involves identification of common rocks and minerals. + This geology laboratory involves identification of common rocks and minerals.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Historical Geology</td>
<td>GEOL 1002</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Introduction to</td>
<td>GEOL 115</td>
<td>4</td>
<td>This class introduces students to the basic concepts of Geology. Students will use</td>
</tr>
<tr>
<td>Institution</td>
<td>Course*</td>
<td>Credits</td>
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<tr>
<td>East Central College</td>
<td>Intro. To Physical Geology Lab</td>
<td>GEO 101/102</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEO 101: An introductory course in physical geology that covers the historical aspects of the geological sciences, plate tectonics as a unifying theory of geology, igneous and metamorphic processes, structural geology and geomorphology; weathering and sedimentary processes. Field trip required. GEO 102: A hands-on introductory course in physical geology with laboratory exercises and problem sets which includes: rock and mineral identification, topographic map analysis, structural geology analysis and interpretation, geologic map, and cross section interpretation, and geologic dating techniques. Field trip required.</td>
<td></td>
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</tr>
<tr>
<td>Jefferson College</td>
<td>Physical Geology</td>
<td>PHY 105</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physical Geology</td>
<td>PHY 105: Physical Geology is a general education course which is designed to acquaint students with the geologic processes that affect the surface and interior of the earth. Laboratory time is required. Prerequisite: Reading proficiency</td>
<td></td>
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</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Physical Geology</td>
<td>GEOL 101</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physical Geology</td>
<td>GEOL 101: Study of plate tectonics, rocks, minerals, volcanoes, earthquakes, resources, geologic time, and the processes that affect the surface and the interior of the earth. Laboratory analysis of rocks and minerals. Interpretation of topographic and geologic maps as investigative tools. Optional field trips.</td>
<td></td>
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<tr>
<td>Metropolitan Community College</td>
<td>Historical Geology</td>
<td>GEOL 102</td>
<td>4</td>
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<td>Historical Geology</td>
<td>GEOL 102: UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
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<tr>
<td>Metropolitan Community College</td>
<td>Environmental Geology</td>
<td>GEOL 103</td>
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<tr>
<td></td>
<td>Environmental Geology</td>
<td>GEOL 103: UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Earth Science with Lab</td>
<td>PHS 1400</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Earth Science with Lab</td>
<td>PHS 1400: An introduction to the earth sciences emphasizing the structure, materials, and history of the Earth, its place in the solar system, and the processes that occur in shaping the Earth.</td>
<td></td>
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</tr>
<tr>
<td>Mineral Area College</td>
<td>Physical Geology</td>
<td>PHS 2410</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physical Geology</td>
<td>PHS 2410: An introductory course in geology emphasizing Earth’s crust, structures and surficial processes. Includes a laboratory study of common minerals and rocks, topographic and geologic maps. Three lectures and two two-hour laboratories per week. When field trips are scheduled, the laboratory time may be extended to three hours total.</td>
<td></td>
<td></td>
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<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No equivalent course</td>
<td>N/A: Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Moberly Area Community College</td>
<td>Geology</td>
<td>PHY 163</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Geology</td>
<td>PHY 163: Geology is a survey course focusing on the study of Earth's materials, forms, and processes. Topics covered include rock and mineral classification, Earth's dynamic interior and physical processes operating to shape Earth's land forms. Designed for the non-science major, this course includes a laboratory component and may include field trips.</td>
<td></td>
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</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No equivalent course</td>
<td>N/A: Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>College</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>Introduction to Geology</td>
<td>PHY 110</td>
<td>4</td>
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</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Physical Geology and</td>
<td>PHY 125/127</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Laboratory</td>
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<td></td>
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<tr>
<td>St. Charles Community College</td>
<td>Environmental Geology and Laboratory</td>
<td>PHY 105/107</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Physical Geology</td>
<td>GEO 111</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Earth Science with Lab</td>
<td>GEO 100/101</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Physical Geology w/Lab</td>
<td>EASC 106</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Sciences Knowledge Area.**

This course is an introduction to basic geology. Students learn about the principles and applications of mineralogy, petrology, structural geology, geomorphology and historical geology. Laboratory skills necessary for the study of geology are introduced.

Introduces a basic understanding of topics in physical geology including the unifying theory of plate tectonics, discussions of Earth materials (rocks and minerals), internal processes (volcanism, earthquakes), surface processes (surface and ground water, weathering, erosion), and geologic time. Campus outings will be incorporated to emphasize Missouri geology.

Examination of geologic processes and hazards that influence human activities and the geologic aspects of pollution and waste-disposal. Exercises focus on environmental and social issues relevant to environmental problems and the effects of human interaction in geologic processes.

This course introduces earth processes and products, including the origin of rocks, volcanos, landforms, mountain belts, earthquakes, and the structure of Earth within the framework of plate tectonics.

UNDER REVIEW BY FACULTY DISCIPLINE GROUP

GEO 100: This introductory geoscience course emphasizes basic principles of astronomy, geology, oceanography and meteorology. Topics covered include the origin of the Universe, solar system and Earth, minerals and rocks, plate tectonics, geologic time, prehistoric life and evolution, ocean structure and life, weather and climate change. GEO 101: Laboratory and field experiences illustrating the principles of earth science. Additional lab hours required. Prerequisites: GEO 100 concurrent enrollment and Reading Proficiency.

Provides an understanding of the forces that were active in the formation of the Earth, the processes whereby the surface of the Earth is sculptured, the identity of Earth materials, and the location and value of the Earth's resources. Topics include history of geology, plate tectonics, matter and minerals, rocks, volcanoes, weathering and soil, geologic time, earthquakes, plate boundaries, water and energy. Rock and mineral identification is a large part of the lab section of this course. Labs include identification of rocks and minerals, plate tectonics and geologic time. (4 lecture, 1 lab)
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Fair Community College</td>
<td>Introduction to Earth Sciences with Lab</td>
<td>EASC 101</td>
<td>4</td>
<td>Introduction to earth science that concentrates on understanding the earth’s dynamic environments through the scientific study of processes and physical and human interactions related to geology, meteorology and astronomy. Lab topics include introduction to minerals and rocks, plate tectonics, geologic time, maps, earthquakes, weather, and basic astronomy.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ESSENTIALS IN HUMAN BIOLOGY (NON-SCIENCE MAJORS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR LIFS 100</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>Lecture course for non-science majors in the area of Human Biology for those students that will not take another Life Sciences course. This course emphasizes the basic biological concepts related to human life. Major concepts can include the chemical basis of life, cell biology, genetics, nutrition, and basic anatomy and physiology.</td>
</tr>
<tr>
<td>INSTITUTION</td>
<td>COURSE NAME</td>
</tr>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>University</td>
<td>Course</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Concepts and Issues in the Life Sciences</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Essentials of Nutrition</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Human Biology</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Nutrition for Health</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Human Biology</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Human Genetics</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Human Nutrition</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Human Physiology</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Crowdor College</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Description</td>
</tr>
<tr>
<td>---------------------------------------------------------</td>
<td>---------------------------------------------------------</td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Anatomy &amp; Physiology for Pre-Hospital Healthcare</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Nutrition for Living</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Allied Health Nutrition</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Human Biology</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Human Sex and Reproduction</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Human Biology</td>
</tr>
<tr>
<td>College</td>
<td>Course Title</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>The Biology of Human Sex</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Biology of Human Health and Disease</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Human Biology</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Human Biology</td>
</tr>
</tbody>
</table>

**St. Louis Community College**

**The Biology of Human Sex (BIO 154)**

UNDER REVIEW BY FACULTY DISCIPLINE GROUP

This course covers the biological aspects of human sexuality. Topics include male and female reproductive systems, sexual gender, sexually transmitted infections, contraception, assisted reproductive techniques and the development of the fetus. This course will also cover typical and atypical behaviors of sexuality.

**St. Louis Community College**

**Biology of Human Health and Disease (BIO 151)**

UNDER REVIEW BY FACULTY DISCIPLINE GROUP

This course examines human health and disease from a biological perspective. It will also explore the evolution of microbes and human disease and the influences that regular exercise, diet, and genetic factors have on everyday good health. This course will also explore mechanisms, manifestations, and prevention of common diseases, such as heart disease and cancer.

**State Fair Community College**

**Human Biology (BIO 103)**

Introduction to the structure and function of human body systems and human influence on the biosphere. Topics include biochemistry; body organization; homeostasis; structural maintenance of cells; tissues and organ systems of the human body; evolution; ecology; and human influence on the biosphere.

**State Technical College of Missouri**

**No equivalent course**

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

**Three Rivers College**

**Human Biology (BIOL 110)**

This course emphasizes cell, tissue, and organ system function. Discussions focus on a system approach to human health and disease throughout the world. Students explore how biological processes, interacting with psychological and social factors, contribute to human health and disease. Prerequisite(s): ENGL 02 and READ 02 or Writing and Reading placement of ENGL 111.

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**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ESSENTIALS IN HUMAN BIOLOGY WITH LAB (NON-SCIENCE MAJORS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR LIFS 100L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
## MOTR Course Description

Lecture and Laboratory course for non-science majors in the area of Human Biology for those students that will not take another Life Sciences course. This course emphasizes the basic biological concepts related to human life. Major concepts can include the chemical basis of life, cell biology, genetics, nutrition, and basic anatomy and physiology.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Transfer Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Essential Anatomy and Physiology</td>
<td>BIO 0180</td>
<td>4</td>
<td>Essential Anatomy and Physiology introduces fundamental biological and scientific principles by studying the structures, actions, and processes of the human body. Emphasis will be on the structure and function of organs and organ systems of the human body. This provides knowledge to better interpret and evaluate biological information encountered in health and human activity.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Concepts and Issues in the Life Sciences with Lab</td>
<td>BMS 100/101</td>
<td>4</td>
<td>A lecture and laboratory course designed to help non-science majors understand the biological basis of human life by introducing the major concepts of human biology. This laboratory course will emphasize scientific observation and investigation in topics including cell biology, the chemical basis of life, genetics, and basic anatomy and physiology.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Anatomy and Physiology I with Lab</td>
<td>BS 113/013</td>
<td>4</td>
<td>First in a two-semester sequence. Introduction to the aspects of anatomy and physiology related to the care of the human body. Particular attention given to cells, tissues, integumentary system, nervous system, circulatory system, skeletal system, and muscular system.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course</td>
<td>Credits</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>---------------------------------------------</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Crowder College</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>BIOL 152</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area. Human Anatomy and Physiology I is the first course in a two-course sequence, covering the unifying principles of biochemistry, cell structure and function, genetics, development, and metabolism, as well as the structure and function of various organ systems of the human body. A practical laboratory component emphasizes inter-relationships between systems and how the entire body functions as a unit. This course is required for students entering health-related professions but is not recommended for science majors.</td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Human Anatomy</td>
<td>BIOL 110</td>
<td>Structure and function in the human body.</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Intro to Bioclinical Science with Lab</td>
<td>BCS 102</td>
<td>This course is designed to give students with a limited science background an introduction to the Biological Clinical Sciences. This course will review basic concepts in science study skills, biology, chemistry and anatomy and physiology. An introduction of lab techniques will be given.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Principle of Bioclinical Science with Lab</td>
<td>BCS 110</td>
<td>This is an introductory biology course with examples in human biology and biotechnology. This course prepares students for further study in the bioclinical sciences and is designed for students planning to take further course work in BCS, such as an A.S. in BCS degree seekers or Allied Health programs. The laboratory prepares students for further study in the Allied Health Biology areas.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Survey of Anatomy &amp; Physiology</td>
<td>BCS 115</td>
<td>This course is a survey of the structures and functions of the human body. Students will study both the anatomy and physiology of the human body.</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Human Biology with Lab</td>
<td>BIO 110/113</td>
<td>Survey of human body structure and function for non-science major. Study of all organ systems of the body along with current topics in human biology. Use of</td>
<td></td>
</tr>
</tbody>
</table>
models, specimens, and investigative activities intended to enhance study of human organism.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Louis Community College</td>
<td>Human Heredity</td>
<td>BIO 106</td>
<td>4</td>
<td>This course will introduce students to basic concepts in human heredity. Areas of emphasis will include patterns of inheritance, population genetics, the genetics of immunity and cancer, genetic engineering, gene therapy, and reproductive technologies. Additional lab hours required.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Human Anatomy with Lab</td>
<td>BIO 207</td>
<td>4</td>
<td>Study of gross and microscopic anatomy of the human organs, tissues and systems.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Anatomy and Physiology I w/Lab</td>
<td>BIOL 231</td>
<td>4</td>
<td>This course is a study of the relationship between the structure and function of the human body encompassing the cell, tissues, integumentary system, skeletal system, muscular system, and nervous system.</td>
</tr>
</tbody>
</table>

**Missouri Higher Education Core Transfer Curriculum**

**MOTR COURSE NAME**: HUMAN BIOLOGY  
**MOTR COURSE NUMBER**: MOTR LIFS 150  
**KNOWLEDGE AREA**: NATURAL SCIENCES  
**TRANSFER CREDITS**: 3  
**MOTR COURSE DESCRIPTION**: Lecture course for majors that will take further courses in the Life Sciences. The course contains basic concepts related to human biology including homeostatic mechanisms of the chemicals, cellular reproduction, genetics, anatomy and physiology of the human.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Transfer Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
<td>---------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Human Anatomy and Physiology</td>
<td>BIO 208</td>
<td>3</td>
<td>An integrated study of morphological and functional aspects of the human body. Three one-hour lectures.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introduction to the Biomedical Sciences</td>
<td>BMS 110</td>
<td>3</td>
<td>An introduction to concepts and techniques related to human anatomy, physiology, genetics, cellular and molecular biology. Recommended for students in pre-professional programs and Allied Health careers.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Introduction to Human Anatomy and Physiology I</td>
<td>BIO SCI 1943</td>
<td>3</td>
<td>First semester of a two-semester sequence dealing with the structure and function of human organ systems. Includes the study of cells, tissues, and the integumentary, skeletal, muscular and nervous systems.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Human Biology</td>
<td>BIOL 2010</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP An overview of human biology, emphasizing physiology, development, health, interpersonal and environmental interactions.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Human Biology</td>
<td>BIOL 1102</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>MOTR COURSE NAME</td>
<td>HUMAN BIOLOGY WITH LAB</td>
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</tr>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR LIFS 150L</td>
<td></td>
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<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
<td></td>
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<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Missouri State University-West Plains
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

Moberly Area Community College
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

North Central Missouri College
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

Ozarks Technical Community College
Pathophysiology
BCS 210
3
This survey course studies the changes in normal anatomy and physiology of the human body. Disease processes are studied and the disruption of homeostasis is emphasized. Also included is the correlation between the pathology of the disease process and clinical signs and symptoms of the disease.

St. Charles Community College
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

St. Louis Community College
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

State Fair Community College
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

State Technical College of Missouri
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

Three Rivers College
No equivalent course
N/A
3
Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.
# Course Description

Lecture and laboratory course for majors that will take further courses in the Life Sciences. The course contains basic concepts related to human biology including homeostatic mechanisms of the chemicals, cellular reproduction, genetics, anatomy and physiology of the human.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Human Anatomy &amp; Physiology w/Lab</td>
<td>BIO 208/209L</td>
<td>4</td>
<td>An integrated study of morphological and functional aspects of the human body. Laboratory observations that are designed to supplement lecture material presented in BIO 208.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>BIO 0121</td>
<td>4</td>
<td>The first in a two-course sequence in which human anatomy and physiology are studied using a body system approach. Includes the concept of scientific inquiry and the fundamental concepts of cell biology, cell metabolism and genetics. Three lectures and one, two-hour lab per week.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introduction to the Biomedical Sciences</td>
<td>BMS 110/111</td>
<td>4</td>
<td>An introduction to concepts and techniques related to human anatomy, physiology, genetics, cellular and molecular biology. Recommended for students in pre-professional programs and Allied Health careers. This course is designed for students who require intensive introductory laboratory experience in human biology and biomedical sciences techniques to prepare for future laboratory work in the biomedical sciences.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Anatomy and Physiology</td>
<td>BS 114/014</td>
<td>4</td>
<td>A comprehensive anatomy and physiology course emphasizing the digestive, skeletal, muscular, circulatory, nervous, respiratory, urinary, endocrine and reproductive systems.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Human Physiology</td>
<td>BIOL 325</td>
<td>4</td>
<td>Introductory principles and concepts of human body function for health and exercise science, psychology, and nursing majors. Emphasis on practical and applied examples of human health, exercise, and physical performance.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
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</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>BIOL 252</td>
<td>4</td>
<td>Human Anatomy and Physiology II is the second course in a two-course sequence, covering the structure and function of various organs systems of the human body not covered in the Human Anatomy and Physiology I. These include the nervous, cardiovascular, lymphatic, respiratory, endocrine, digestive, urinary, and reproductive systems. A practical laboratory component emphasizes inter-relationships between systems and how the entire body functions as a unit. This course is required for students entering health-related professions but is not recommended for science majors.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>BIO 206</td>
<td>4</td>
<td>This course is part of a two-semester sequence of courses where gross microscopic anatomy and the function of the respective structures are studied. Major topics covered include biological chemistry, cell biology, histology, integumentary system, skeletal system, muscular system, and nervous system. Laboratory work includes dissection, microscopy, models, and experimental demonstration of concepts covered in class. Dissection of preserved animal specimens is required. This course is primarily for students majoring in allied health fields.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Human Anatomy &amp; Physiology</td>
<td>BIO 120</td>
<td>4</td>
<td>Human Anatomy and Physiology is the study of basic structure and function of the human body and covers fundamental concepts of all organ systems. Interactions of organ systems to maintain homeostasis are explored.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Anatomy &amp; Physiology I</td>
<td>BIO 211</td>
<td>4</td>
<td>Anatomy and Physiology I examines the structure and function of cells, tissues, organs, and organ systems. Although all organ systems are introduced, special emphasis is given to the integumentary, skeletal, muscular, nervous, and endocrine systems.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Human Physiology</td>
<td>BIOL 210</td>
<td>4</td>
<td>Functions of the human body as revealed by cells, tissues, organs, and systems in terms of underlying physicochemical processes. Prerequisite: BIOL 110 and either BIOL 100 or CHEM 105.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Human Anatomy &amp; Physiology</td>
<td>BIO 2540</td>
<td>4</td>
<td>Designed to provide the student with an understanding of the structure and function of the human body. Includes macroscopic and microscopic study of tissues, basic chemistry of life processes and skeletal, muscular, neural and cardiovascular systems. Recommended for science and physical education majors as well as some non-nursing hospital-based courses such as radiology. Not recommended for students applying to the nursing program. BIOL2600 Human Anatomy and the BIO2620 Human Physiology, for a total of 10 hours, are required for the nursing program.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
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</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Introduction to the Biomedical Sciences</td>
<td>BMS 110</td>
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<tr>
<td>Moberly Area Community College</td>
<td>Human Anatomy</td>
<td>BIO 205</td>
<td>4</td>
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<tr>
<td>North Central Missouri College</td>
<td>Human Anatomy with Lab</td>
<td>BI 240</td>
<td>4</td>
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<tr>
<td>North Central Missouri College</td>
<td>Human Physiology with Lab</td>
<td>BI 242</td>
<td>4</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>Anatomy &amp; Physiology II</td>
<td>BCS 146</td>
<td>4</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>Human Anatomy</td>
<td>BCS 165</td>
<td>4</td>
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<tr>
<td>St. Charles Community College</td>
<td>Anatomy and Physiology I with Laboratory</td>
<td>BIO 250A/250B</td>
<td>4</td>
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<tr>
<td>St. Louis Community College</td>
<td>Anatomy and Physiology I</td>
<td>BIO 207</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

- Missouri State University-West Plains: An Introduction to concepts and techniques related to human anatomy, physiology, genetics, cellular and molecular biology. Recommended for students in majors within the College of health and Human Services on the MSU Springfield campus and those students interested in preprofessional programs and Allied Health careers.

- Moberly Area Community College: Human Anatomy is a general study of the structure and function of the human body and considers all major organ systems. Significant laboratory work is required to identify various systems of the human body by flag-spotting. Dissection is included in this course.

- North Central Missouri College: This course is a study of the structure of the cells and tissues of the human integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Lecture and laboratory.

- North Central Missouri College: This course is a study of the function including homeostatic mechanisms of the chemicals, cells, and tissues of the human integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Lecture and laboratory.

- Ozarks Technical Community College: This course will provide further study of the structure and function of the human body. Topics will include the following body systems: nervous, endocrine, cardiovascular, respiratory, urinary, immune and digestive. Laboratory activities will give students the ability to see and synthesize materials presented in lecture. A cat cadaver will be dissected.

- Ozarks Technical Community College: Microscopic and macroscopic examination of the human body structures and systems are the focus of this course. Students evaluate the integration of the various systems within the entire body. The laboratory provides an opportunity for identification and evaluation of representative human models and slides and dissection of comparable mammalian organ systems.

- St. Charles Community College: Structure and function of human body, with particular attention to cell biology, skeletal system, muscular system, nervous system and endocrine system. BIO 250B: Activities to enhance study of topics covered in the lecture section (BIO 250A). Use of models, charts, and both microscopic and gross specimens to illustrate various systems.

- St. Louis Community College: A study of the organization of cells into tissues, organs, and organ systems, with special in-depth study of the integumentary, skeletal, muscular, nervous and endocrine system, and the sensory receptors. Additional lab hours required.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Fair Community College</td>
<td>Human Physiology with Lab</td>
<td>BIO 208</td>
<td>4</td>
<td>Presents the basic biological functions of the human body from cell to tissue, tissue to organ, and organ to organ system with attention to the interrelationships at these levels.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>BIOL 232</td>
<td>4</td>
<td>A study of the relationship between the structure and function of the human body. Systems studied include the circulatory, respiratory, reproductive, renal, digestive, immune/lymphatic, and endocrine.</td>
</tr>
</tbody>
</table>

### Missouri Higher Education Core Transfer Curriculum

**MOTR COURSE NAME**: ESSENTIALS IN PHYSICS (NON-SCIENCE MAJORS)

**MOTR COURSE NUMBER**: MOTR PHYS 100

**KNOWLEDGE AREA**: NATURAL SCIENCES

**TRANSFER CREDITS**: 3

**MOTR COURSE DESCRIPTION**: Lecture course for non-science majors that will not take another physics course but would like a survey of the concepts in the discipline. Content emphasizes fundamental concepts and symbolism of physics with applications to everyday life. Topics include mechanics, heat, light, sound, electricity, magnetism, and some modern developments.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Description</td>
<td>Credits</td>
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<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>3</td>
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<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to the Sciences: Physics PHYS 1103</td>
<td>3</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Concepts in Physics PHYSCS 1150</td>
<td>3</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Energy and Energy Technology PHYSCS 1500H</td>
<td>3</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
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<td></td>
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</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>How Things Work Physics 1001</td>
<td>3</td>
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</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>3</td>
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<td></td>
</tr>
</tbody>
</table>

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.

An introduction to physics. Topics include mechanics, energy, heat, sound, electricity, magnetism, light, atomic and nuclear physics, relativity, and astrophysics. Laboratory not included.

Introduction to fundamental concepts for physics for non-science majors. Concepts include the conservation of energy, the second law of thermodynamics, and the special theory of relativity. Students learn to reason and apply these concepts through writing assignments.

UNDER REVIEW BY FACULTY DISCIPLINE GROUP Explore issues in energy, energy production and energy use from a science and technology perspective. Students will learn through a combination of lectures, classroom activities, a writing assignment, open-ended discussion, and student presentations.

Can baseball players hit home runs more easily when the weather is hot and humid? This course provides a practical introduction to understanding common life experiences by using physical intuition and basic ideas of physics. Powerful scientific principles are demonstrated through topics ranging from airplane wings to compact disk players, from lightning strikes to lasers.

Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Description</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jefferson College</td>
<td>Metropolitan Community College</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Missouri State University-West Plains</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>North Central Missouri College</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Missouri State University-West Plains</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>St. Louis Community College</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>St. Louis Community College</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Three Rivers College</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>

### Course Descriptions

- **Metropolitan Community College**: *Introductory Physics* (PHYS101)<br>**Description:** A survey of physics with emphasis on mechanics, heat, light, sound, electricity, magnetism and atomic physics. Emphasis on the concepts of physics.<br>**Credits:** 3

- **Missouri State University-West Plains**: *Survey of Physics* (PHY 102)<br>**Description:** Description of nature as seen by physicists; effects that new scientific discoveries will have on society.<br>**Credits:** 3

- **St. Louis Community College**: *Physical Science* (PSI 101)<br>**Description:** UNDER REVIEW BY FACULTY DISCIPLINE GROUP<br>This course is a survey of the fundamental principles of physics and chemistry with applications to geology, astronomy and meteorology. This course is designed for students in non-science and career curricula.<br>**Credits:** 3

- **St. Louis Community College**: *Meteorology* (PSI 123)<br>**Description:** UNDER REVIEW BY FACULTY DISCIPLINE GROUP<br>This physical science course introduces the student to basic concepts involved in the analysis of weather phenomena on the global and local scale. Topics include heat balance, atmospheric stability, precipitation processes, pressure systems, air masses, fronts, clouds, the jet stream, air-ocean interaction (El Nino and La Nina), thunderstorm and severe weather, hurricanes, and an introduction to weather forecasting. Particular attention devoted to current weather analysis.<br>**Credits:** 3

- **State Fair Community College**: *No equivalent course<br>Credits:** 3

- **State Technical College of Missouri**: *No equivalent course<br>Credits:** 3

- **Three Rivers College**: *Survey of Physics* (PHYS 100)<br>**Description:** UNDER REVIEW BY FACULTY DISCIPLINE GROUP<br>This course provides a study of the technical principles and applications of the basic laws of physics. Key terms and concepts applicable to physics are addressed. Problem-solving skills are also a focus for the course.<br>**Credits:** 3
### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ESSENTIALS IN PHYSICS WITH LAB (NON-SCIENCE MAJORS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR PHYS 100L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
</tbody>
</table>

**MOTR COURSE DESCRIPTION**

Lecture and laboratory course for non-science majors that will not take another physics course but would like a survey of the concepts in the discipline. The laboratory portion reinforces topics discussed in lecture by utilizing hands-on experimentation. Content emphasizes fundamental concepts and symbolism of physics with applications to everyday life. Topics include mechanics, heat, light, sound, electricity, magnetism and some modern developments.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Survey of Physics with Laboratory</td>
<td>PHY 100</td>
<td>4</td>
<td>Description of nature as seen by physicists; effects this description and new scientific discoveries will have on society. Laboratories consist of discussions of current relations between science and society, demonstrations of precise experimental apparatus, some actual involvement with the experimental method.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Physics by Inquiry for Educators</td>
<td>PHY 101</td>
<td>4</td>
<td>Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary and middle school science lessons. Science content includes mechanics, optics, heat, electricity and magnetism, properties of materials. Students will increase their understanding of the nature of science.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University/College</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>---------------------------------------------------</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Physics for the Liberal Arts</td>
<td>PHY 101</td>
<td>4</td>
<td>A comprehensive, descriptive study of the scientific principles of the physical world, including the history of science, motion, energy, cosmology, geophysics, etc. Designed to provide students without significant previous coursework in the physical sciences with a solid introduction to the terminology and concepts required for further study. Three hours lecture, two hours lab.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Concepts in Physics</td>
<td>PHYS 100</td>
<td>4</td>
<td>This course presents an overview of our understanding of the physical world, covering some of the main concepts, theories, and experimental techniques of physics. While the course focuses primarily on the conceptual understanding of physics, it also explores some of its historical, technological, and philosophical aspects, and its place in the history of ideas. The range of possible topics includes Newton’s laws of motion, gravity, heat, sound, electricity, magnetism, light, relativity, quantum theory, elementary particles and nuclear physics. Basic algebra skills are expected of the students. The course has a laboratory component that emphasizes quantitative measurements.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to the Sciences: Physics</td>
<td>PHYS 1104</td>
<td>4</td>
<td>An introduction to physics. Topics include mechanics, energy, heat, sound, electricity, magnetism, light, atomic and nuclear physics, relativity, and astrophysics. Laboratory included.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>How Things Work</td>
<td>PHYS 140/140L</td>
<td>4</td>
<td>A course intended for liberal arts students focusing on the principles of operations, histories, and relationships of objects from our daily environment. The areas of investigation include mechanical and thermal objects, electromagnetism, light, special materials and nuclear energy.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>How Things Work(with lab)</td>
<td>Physics 140/140L</td>
<td>4</td>
<td>A course intended for liberal arts students focusing on the principles of operations, histories, and relationships of objects from our daily environment. The areas of investigation include mechanical and thermal objects, electromagnetism, light, special materials and nuclear energy.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Introduction to Physics</td>
<td>PHY 105</td>
<td>4</td>
<td>This course is a survey of physics for students in technical majors. Students will learn about mechanics, linear and rotational kinematics, momentum, work and energy, simple machines, properties of materials, fluid mechanics, gas laws, electricity, thermodynamics and heat transfer. This is a non-calculus course with</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Notes</td>
</tr>
<tr>
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</tr>
<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Introductory Physics</td>
<td>PHYS 101L</td>
<td>4</td>
<td>A survey of physics with emphasis on mechanics, heat, light, sound, electricity, magnetism, and atomic physics. Emphasis on the concepts of physics.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Survey of Physics with Laboratory</td>
<td>PHY 100</td>
<td>4</td>
<td>Description of nature as seen by physicists; effects this description and new scientific discoveries will have on society. Laboratories consist of discussions of current relations between science and society, demonstrations of precise experimental apparatus, some actual involvement with the experimental method. Students may not receive credit for both PHY 100 and PHY 102.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Physics by Inquiry for Educators</td>
<td>PHY 101</td>
<td>4</td>
<td>Completion Program or planning to receive the Child Development degrees. Will fulfill natural science component of the AA in General Studies. Science content includes mechanics, optics, heat, This course will not count toward any AAS degree. electricity and magnetism. Students will increase their understanding of the nature of science.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Foundations of Physics</td>
<td>PHY 125</td>
<td>4</td>
<td>An introductory course which presents the fundamental concepts and symbolism of physics with applications to everyday life. The course emphasizes mechanics, heat, light, sound, electricity, magnetism, and some modern developments. Course includes a laboratory component and is intended for non-science majors.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Introduction to Physics</td>
<td>PS 108</td>
<td>4</td>
<td>A course in physics surveying the fundamental concepts of mechanics, waves, electricity, magnetism and optics.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Survey of the Physical Sciences</td>
<td>PHY 101</td>
<td>4</td>
<td>This physical science survey course is designed for elementary education majors. This course does not satisfy the General Education physical science requirement for an A.A. degree. This course provides the tools and experiences necessary for the elementary education teacher to be better equipped to develop and teach science curricula that supports both state and national science standards. Students work with the scientific method and its applications in the physical sciences: earth science, astronomy, chemistry, meteorology and physics.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Physical Science</td>
<td>PHY 100</td>
<td>4</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP This lecture-demonstration-laboratory survey of the physical sciences is designed...</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
for the student with a limited science background. Students should learn about the scientific method and its application with special emphasis on scientific principles encountered in our everyday interactions with our environment.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Transfer Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>

**Missouri Higher Education Core Transfer Curriculum**

**MOTR COURSE NAME**

**ESSENTIALS IN PHYSICAL SCIENCES (NON-SCIENCE MAJORS)**

**MOTR COURSE NUMBER**

**MOTR PHYS 110**

**KNOWLEDGE AREA**

**NATURAL SCIENCES**

**TRANSFER CREDITS**

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Physical Sciences Survey</td>
<td>PHSC 0151</td>
<td>3</td>
<td>A qualitative and quantitative introduction to the physical-science areas of astronomy, earth study and meteorology with the main thrusts being directed toward astronomy and earth study. It emphasizes the conceptual aspects of these subjects while making a minimum but essential use of mathematics. Instructional activities consist of lectures, class discussions, demonstrations and possible use of audio-visual materials.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Earth Science</td>
<td>PHY 103</td>
<td>3</td>
<td>Fundamental physical principles with specific applications to meteorology, astronomy, geology, and oceanography. Students needing a physical science lab course should enroll concurrently in PHY 104L. Three one-hour lectures.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Fundamentals of Physical Science</td>
<td>PHYS 0120</td>
<td>3</td>
<td>UNDER REVIEW FROM FACULTY DISCIPLINE GROUP Basic concepts in the fields of physics, chemistry, geology, and astronomy will be</td>
</tr>
</tbody>
</table>
Presented as time permits. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Equivalent Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Introductory Meteorology</td>
<td>GEOG 1050</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Climate Change: Science and Public Policy</td>
<td>GEOG 1600</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Oceanography</td>
<td>GEOL 1053</td>
<td>3</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Topics in the Physical Sciences</td>
<td>PHY 102</td>
<td>3</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metropolitan Community College</td>
<td>Foundations of Physical Science</td>
<td>PHYS 104</td>
<td>3</td>
<td>Fundamental principles and concepts of classical and modern physics, astronomy, chemistry and earth science, and their relationships</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Earth Science II</td>
<td>PHS 2430</td>
<td>3</td>
<td>An introduction to earth sciences emphasizing the atmospheric and astronomical (space) sciences.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Earth Science</td>
<td>PHY 160</td>
<td>3</td>
<td>This introductory geoscience course emphasizes basic principles of astronomy, geology, oceanography and meteorology. Topics covered include the origin of the Universe, solar system and Earth, minerals and rocks, plate tectonics geologic time, prehistoric life and evolution, ocean structure and life, weather and climate change. This course does not include a laboratory component.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Physical Science</td>
<td>PHY 111</td>
<td>3</td>
<td>Introduces the basics in a variety of scientific disciplines including classical (Newtonian) physics, energy, matter and heat, wave behavior, electricity and magnetism, modern physics (the atom and nucleus), geology, and astronomy. Basic high school math/algebra is utilized in portions of this course.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Meteorology</td>
<td>PSI 123</td>
<td>3</td>
<td><strong>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</strong> This physical science course introduces the student to the basic concepts involved in the analysis of weather phenomena on the global and local scale. Topics include, heat balance, atmospheric stability, precipitation processes, pressure systems, air masses, fronts, clouds, the jet stream, air-ocean interaction (El Nino and La Nina), thunderstorm and severe weather, hurricanes, and an introduction to weather forecasting. Particular attention devoted to current weather analysis.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Physical Science</td>
<td>PSI 101</td>
<td>3</td>
<td><strong>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</strong> This course is a survey of the fundamental principles of physics and chemistry with applications to geology, astronomy and meteorology. The course is designed for students in non-science and career curricula.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Introduction to Physical Science</td>
<td>PHYS 103</td>
<td>3</td>
<td>Introduction to physical science that includes the basic concepts of chemistry, physics and astronomy.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
</tbody>
</table>
**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ESSENTIALS IN PHYSICAL SCIENCES WITH LAB (NON-SCIENCE MAJORS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR PHYS 110L</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>NATURAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>4</td>
</tr>
</tbody>
</table>

**MOTR COURSE DESCRIPTION**

Lecture and laboratory course for non-science majors that will not take another physical science course but would like a survey of the concepts in the discipline. The laboratory portion reinforces topics discussed in lecture by utilizing hands-on experimentation. Content emphasizes classical physics, energy, matter and heat, wave behavior, electricity and magnetism, modern physics (the atom and nucleus), geology, and astronomy.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Physical Science Survey</td>
<td>PHSC 0151/0152</td>
<td>4</td>
<td>A qualitative and quantitative introduction to the physical-science areas of astronomy, earth study and meteorology with the main thrusts being directed toward astronomy and earth study. It emphasizes the conceptual aspects of these subjects while making a minimum but essential use of mathematics. Instructional activities consist of lectures, class discussions, demonstrations and possible use of audio-visual materials.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Earth Science with Lab</td>
<td>PHY 103/104L</td>
<td>4</td>
<td>Fundamental physical principles with specific applications to meteorology, astronomy, geology, and oceanography. Students needing a physical science lab course should enroll concurrently in PHY 104L. Three one-hour lectures. Laboratory course designed to engage students in experiments relating to physical principles and their applications. Fulfills general education lab requirement. One two-hour laboratory. Prerequisite: Previously taken or concurrent enrollment in PHY 103.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Fundamentals of Physical Science with Lab</td>
<td>PHYS 0120</td>
<td>4</td>
<td>Basic concepts in the field of physical science. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Four lecture and demonstration periods and one three-hour lab per week.</td>
</tr>
</tbody>
</table>
| Missouri State University | Principles of Weather and Climate | GRY 135 | 4 | An introductory survey of the earth’s weather and climate. A description of the physical processes of the atmosphere is followed by a survey of the world’s
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4 Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4 Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Physical Sciences with Lab</td>
<td>PHSC 40-102/103</td>
<td>4 UNDER REVIEW BY FACULTY DISCIPLINE GROUP This is an introductory course that uses an inquiry approach to help students gain an understanding of the scientific process and how science relates to the real world. This is accomplished through the study of selected topics from the field of physics and chemistry. Students will be asked to use problem solving and higher order thinking skills in order to apply the concepts they have learned. A knowledge of and the ability to use simple algebra is necessary. This course is primarily designed to meet elementary and middle school teacher certification content, but it will also satisfy the physical science general education requirement.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Physical Concepts</td>
<td>PH 106/006</td>
<td>4 An introduction to the concepts and principles governing the natural physical world and their relation to society. Emphasis on developing an appreciation for the role of science in our life. Does not count on a major or minor. Two lectures and two hour lab.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Physical Science: A Process Approach</td>
<td>PH 218</td>
<td>4 Major topics include atomic structure, elements and compounds, chemical reactions and energy concepts of heat, light, sound, electricity and magnetism.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4 Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Weather and Climate</td>
<td>EASC 1114</td>
<td>4 Principles and theories of weather, climate, and other atmospheric phenomena. Included is the study of energy exchanges, winds, cloud types, precipitation forms, severe weather, generation of hurricanes, tornadoes, and mid-latitude storms, pollution, climate change and the cultural implications of weather and climate.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4 Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Foundations of Physical Science</td>
<td>PHY-SCI 110/110L</td>
<td>4 Fundamental principles and concepts of the various physical and mathematical sciences, integrated by the history and philosophy of science.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Understanding the Earth + Lab</td>
<td>ENV-SCI 110R/110L</td>
<td>4 This introductory course surveys the processes that shape our planet. Topics include: plate tectonics and mountain-building, rivers and oceans, atmospheric circulation, weather and climate, and the amazingly complex relationships</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
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<td>---------</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Earth and Space Science for Teachers</td>
<td>GEOL 210</td>
<td>4</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Survey of Physical Science</td>
<td>PHYS 101</td>
<td>4</td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>4</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Survey of Physical Sciences</td>
<td>PHY 101</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Foundations of Physical Science</td>
<td>PHY 104L</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Oceanography</td>
<td>GEOL 110</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Energy and the Environment</td>
<td>GEOL 180</td>
<td>4</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Physical Science</td>
<td>PHS 1130</td>
<td>4</td>
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<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
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<tr>
<td>Moberly Area Community College</td>
<td>Foundations of Physical Science</td>
<td>PHY 101</td>
<td>4</td>
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<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
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<tr>
<td>North Central Missouri College</td>
<td>Introduction to the Physical Sciences</td>
<td>PS 101</td>
<td>4</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Survey of the Physical Sciences</td>
<td>PHY 101</td>
<td>4</td>
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<tr>
<td>St. Charles Community College</td>
<td>Introduction to Physical Science</td>
<td>PH 111/113</td>
<td>4</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introduction to Atmospheric Science</td>
<td>PSI 125</td>
<td>4</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>Physical Science</td>
<td>PHY 100</td>
<td>4</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Physical Science</td>
<td>PHYS 101</td>
<td>4</td>
</tr>
</tbody>
</table>

A survey course for non-science majors introducing the important concepts that govern the fields of physics, chemistry, meteorology, geology and astronomy. The impact of these sciences on the environment and human activities will also be considered. Lecture and laboratory.

This physical science survey course is designed for elementary education majors. This course does not satisfy the General Education physical science requirement for an A.A. degree. This course provides the tools and experiences necessary for the elementary education teacher to be better equipped to develop and teach science curricula that supports both state and national science standards. Students work with the scientific method and its applications in the physical sciences: earth science, astronomy, chemistry, meteorology and physics.

Introduces the basics in a variety of scientific disciplines including classical (Newtonian) physics, energy, matter and heat, wave behavior, electricity and magnetism, modern physics (the atom and nucleus), geology, and astronomy.

Introduction to Atmospheric Science covers the basic principles of atmospheric processes. This course involves working with current weather maps and analyzing real-time weather information. The basic physical principles of atmospheric conditions are stressed through the study of weather data. Labs integrated throughout the course allow students to apply the scientific method by formulating a hypothesis, interpreting data, and deriving a conclusion based on scientific data. The course is designed for students in non-science and career curricula.

Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.

This lecture-demonstration-laboratory survey of the physical sciences is designed for the student with a limited science background. Students should learn about the scientific method and its application with special emphasis on scientific principles encountered in our everyday interactions with our environment.

The course provides a study of basic concepts of physics, chemistry, astronomy, geology, and meteorology and their interrelation in the physical world. The course includes a laboratory experience. The course is intended for non-science majors only. The course requires a basic understanding of elementary algebra.
# Missouri Higher Education Core Transfer Curriculum

## MOTR Course Name

**Physics I**

## MOTR Course Number

**MOTR PHYS 150**

## Knowledge Area

**Natural Sciences**

## Transfer Credits

3

## MOTR Course Description

An algebra-based physics lecture course designed for students majoring in science fields other than physics or engineering. This course is generally the first course in a two-course sequence. This course emphasizes motion, mechanics, energy, heat and waves.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Transfer Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>No equivalent course</td>
<td>N/A</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
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<td>N/A</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Missouri State University</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>General Physics I</td>
<td>PHYS 1111</td>
<td>3</td>
<td>An introduction to the fundamental ideas of physics, including mechanics, heat, and sound.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>College Physics I</td>
<td>PHYS 1145</td>
<td>3</td>
<td>An introduction to the ideas of physics, including mechanics, heat, and sound.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<td>Institution</td>
<td>Equivalent Course</td>
<td>Credits</td>
<td>Description</td>
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<tr>
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<td>-----------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
<td></td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Jefferson College</td>
<td>No equivalent course</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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</tr>
<tr>
<td>Moberly Area Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>North Central Missouri College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>St. Charles Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>St. Louis Community College</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
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<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
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<tr>
<td>Institution</td>
<td>Course Name</td>
<td>Course Number</td>
<td>Transfer Credits</td>
<td>Course Description</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>Harris-Stowe State University</td>
<td>General Physics:</td>
<td>PHY 0251/0252</td>
<td>4</td>
<td>A general physics course which has its main emphasis on mechanics. Among the topics studied are vectors, kinematics, Newton's laws of motion, torques, momentum, work and energy, rotation and torques, fluids, and oscillations. Although Physics 0251 often takes a conceptual approach to its topics, a quantitative treatment of the subject is maintained throughout with example problems being demonstrated by the instructor and homework problems being assigned. Instructional activities consist of lectures, class discussions, demonstrations and some use of audio-visual materials. PHY 0252. This course is the laboratory component for PHY 0251. Small group experiments are performed on selected topics, which are related to those covered in PHY 0251. Instructional activities consist primarily of small-group laboratory experiments, which involve students in hands-on experience with apparatus. Prior to experimental work, students are given introductory explanations regarding laboratory techniques, use of apparatus and the topic(s) to be investigated.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Description</td>
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<tr>
<td>Lincoln University</td>
<td>College Physics</td>
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<tr>
<td>Missouri Southern State University</td>
<td>Elementary College Physics I</td>
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<td>Missouri Southern State University</td>
<td>Environmental Physics</td>
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<tr>
<td>Missouri State University</td>
<td>Intro to Physics I w/Lab</td>
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<td>Missouri University of Science &amp;</td>
<td>General Physics I + Lab</td>
<td>4</td>
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<tr>
<td>Technology</td>
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<tr>
<td>Missouri University of Science &amp;</td>
<td>College Physics I + Lab</td>
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<td>Technology</td>
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<td>Missouri Western State University</td>
<td>Introduction to Physics</td>
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<tr>
<td>Missouri Western State University</td>
<td>College Physics I</td>
<td>4</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>Gen. Physics I w/Lab</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Introductory Physics I</td>
<td>4</td>
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</tbody>
</table>

**Lincoln University**

Course includes mechanics, heat, and sound. Calculus not used. MAT 121 is recommended before or with this course. Three one-hour lectures and one three-hour laboratory.

**Missouri Southern State University**

Mechanics, rotational dynamics, properties of matter, heat, wave motion and sound. Four hours lecture, one 3-hour laboratory per week.

**Missouri Southern State University**

Emphasis on physics-based problems and laws related to the environment and to human health. Topics include forces in nature, energy, laws of thermodynamics, heat transfer and radiation, properties of fluids and fluid flow, mechanical properties of solids, sound, electromagnetic waves and spectra, basic electricity, radioactivity and nuclear physics. Designed for students in environmental health and students in biology needing only one course in physics. Four hours lecture, one three-hour laboratory per week.

**Missouri State University**

An introduction to physical theories covering the content areas of mechanics, fluids, sound, and thermodynamics. A knowledge of the laws of Physics will help the student better understand the world and how these laws can be used to make informed decisions to improve society.

**Missouri University of Science & Technology**

Experiments related to topics studied in Physics 1111 and Physics 1145.

**Missouri University of Science & Technology**

Experiments related to topics studied in Physics 1111 and Physics 1145.

**Missouri Western State University**

A comprehensive, quantitative study of the concepts and laws of physics. Designed for students majoring in fields other than the physical sciences, mathematics, or engineering. Topics include motion, gravity, electromagnetism, atomic and nuclear physics, optics, and relativity. Three hours of lecture, two hours lab.

**Missouri Western State University**

Classical treatment of mechanics, energy, waves, and heat.

**Northwest Missouri State University**

This is a laboratory course in general physics designed to provide the necessary background in physics to fill Northwest Core requirements and to fill general physics needs for pre-professional programs. Major topics covered are structure and properties of matter, motion, mechanics, work, energy, momentum, elasticity, waves, temperature and heat. Three hours of lecture and discussion each week. PHYS 25110—This laboratory meets two hours each week and must be taken concurrently with PHYS 25110.

**Southeast Missouri State University**

Concepts and principles of natural phenomena, including mechanics, heat and energy, wave motion and sound, with emphasis on the investigative processes. Four lectures and one two-hour lab.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
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<tr>
<td>Truman State University</td>
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<td>PHYS 185</td>
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<td>University of Central Missouri</td>
<td>College Physics I</td>
<td>PHYS 1101</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>College Physics I</td>
<td>PHYSICS 1210</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>General Physics I, w/Lab</td>
<td>PHYSICS 210</td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>Basic Physics I</td>
<td>PHYSICS 1011</td>
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<td>4</td>
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<tr>
<td>East Central College</td>
<td>College Physics I, + Lab</td>
<td>PH 111/112</td>
<td>4</td>
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<tr>
<td>Jefferson College</td>
<td>Elementary College Physics I</td>
<td>PHY 111</td>
<td>4</td>
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<tr>
<td>Metropolitan Community College</td>
<td>Technical Physics</td>
<td>PHYS 112</td>
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<td>General Physics</td>
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<td>Mineral Area College</td>
<td>College Physics I</td>
<td>PHS 1420</td>
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</table>

College Physics I is the first semester of a year-long introduction to the fundamentals of physics, beginning with classical (Newtonian) physics. It requires extensive use of algebra and trigonometry, and pairs discussion of theoretical models with laboratory investigations of basic physical concepts. Students learn about Newtonian mechanics, including rotational motion; momentum, energy, and the power of conservation laws; basic thermal physics and thermodynamic principles; and fluids.

Properties of matter, mechanics, energy, heat, and waves. Laboratory required.

This introductory college physics course uses algebra and trigonometry in developing some of the fundamental concepts of classical physics. Topics covered are vectors, kinematics, dynamics, gravity, momentum, energy, rotational kinematics, rotational dynamics, fluids, simple harmonic motion, waves and sound, and thermodynamics. Three lectures, one discussion, one lab weekly.

Introduction to mechanics, wave motion and sound and heat and thermodynamics. Three hours lecture and two hours laboratory per week.

A course specifically designed for students in health and life sciences covering the topics in classical mechanics such as kinematics, Newton's laws, energy, momentum and oscillations.

Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.

A study of mechanics, properties of matter, and thermodynamics. Not recommended for math, physical science, or engineering students. LAB—A science laboratory course in the study of mechanics, properties of matter, and thermodynamics.

Elementary College Physics I is a fundamental course dealing with mechanics, sound, electricity, magnetism, light, and the structure of matter. Laboratory time is required

Principles of mechanics, thermodynamics, sound, electricity, magnetism, light, and nuclear physics with emphasis on applications to technology.

Algebraic and trigonometric introduction to the principles of mechanics, heat, and sound with an emphasis on problem solving and applications in technical and health careers.

An introduction to the nature of physical thinking and selected topics in mechanics, statics, dynamics, heat and thermodynamics, oscillatory motion and sound. Three lectures and one two-hour lab per week. Includes lab.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri State University-West Plains</td>
<td>Introduction to Physics I</td>
<td>4</td>
<td>An introduction to physical theories covering the content areas of mechanics, fluids, sound, and thermodynamics. A knowledge of the laws of Physics will help the student better understand the world and how these laws can be used to make informed decisions to improve society.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>General Physics I</td>
<td>4</td>
<td>General Physics I is the first course in an algebra-based physics sequence. The course covers the principles of mechanics, gravity, thermodynamics, and waves with an emphasis on problem solving and application. Upon completion of the course, students should be able to demonstrate an understanding of the knowledge needed for advancement to General Physics II. This course is designed for pre-professional and life-science majors but is open to all students who have met the prerequisite. Course includes a laboratory component.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>College Physics I</td>
<td>4</td>
<td>A rigorous non-calculus introductory physics course primarily for students majoring in the life and environmental sciences and science education. A classical treatment of Newtonian mechanics, fluids, heat and thermodynamics. This course satisfies the general education physical science requirement. Lecture and laboratory.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>General Physics I</td>
<td>4</td>
<td>This is an algebra based physics course. Students learn about the principles and applications of mechanics, wave motion and heat. Laboratory activities give students an opportunity to demonstrate physics principles presented in lecture.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>General Physics I w/ Lab</td>
<td>4</td>
<td>Survey of kinematics, dynamics, energy, momentum, rotational motion, fluids, and thermodynamics. Non-calculus in approach. Three hours of lecture-recitation and two hours of laboratory per week.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>College Physics I</td>
<td>4</td>
<td>This course is the first semester of a two-semester non-calculus physics sequence. The entire sequence covers topics in mechanics, heat, sound, electricity, magnetism, optics and modern physics. Additional lab hours required.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>College Physics I with Lab</td>
<td>4</td>
<td>College Physics I with Lab An introduction to the fundamental ideas of physics. Topics include mechanics, wave motion and heat. Prerequisite: MATH 110 or MATH 112 with a grade of C or higher or equivalent placement score.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>College Physics I + Lab</td>
<td>4</td>
<td>PHY 101: This algebra based physics course has topics that may include, but are not limited to, measurement, force, work and energy, matter, fluids, gasses, heat, light, and selected topics in modern physics. PHY 102: This algebra based physics lab course has topics that may include, but are not limited to, measurement, force, work and energy, matter, fluids, gasses, heat, light, and selected topics in modern physics.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive four (4) credits in the Natural Sciences Knowledge Area.</td>
</tr>
<tr>
<td>INSTITUTION</td>
<td>COURSE NAME</td>
<td>COURSE NUMBER</td>
<td>TRANSFER CREDITS</td>
</tr>
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</tr>
<tr>
<td>Harris-Stowe State University</td>
<td>Physics I (Mechanics)</td>
<td>PHY 0253/0252</td>
<td>4</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>General Physics I</td>
<td>PHY 201</td>
<td>4</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>General Physics I with Lab</td>
<td>PHYS0270</td>
<td>4</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Foundations of Physics I</td>
<td>PHY 203</td>
<td>4</td>
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<tr>
<td>Institution</td>
<td>Course</td>
<td>Code</td>
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</tr>
<tr>
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<tr>
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<td>Engineering Physics I</td>
<td>PHYS 1135</td>
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<tr>
<td>Missouri Western State University</td>
<td>University Physics I</td>
<td>PHY 210</td>
<td>4</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Fundamentals of Classical Physics I</td>
<td>PHYS 25120/25121</td>
<td>4</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>General Physics I</td>
<td>PH 230/030</td>
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<tr>
<td>Truman State University</td>
<td>Physics 1 w/lab</td>
<td>PHYS 195</td>
<td>4</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>University Physics I GE</td>
<td>PHYS 2121</td>
<td>4</td>
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<tr>
<td>University of Central Missouri</td>
<td>University Physics</td>
<td>PHYS 2123</td>
<td>4</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>University Physics</td>
<td>PHYS 2123</td>
<td>4</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Physics for Scientists and Engineers I</td>
<td>PHYSICS 240</td>
<td>4</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Physics: Mechanics and Heat</td>
<td>PHYSICS 2111</td>
<td>4</td>
</tr>
<tr>
<td>Crowder College</td>
<td>General Physics I</td>
<td>PHYS 190</td>
<td>4</td>
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<td>Course Title</td>
<td>Code</td>
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<tr>
<td>East Central College</td>
<td>General Physics I</td>
<td>PHY 211/212/200</td>
<td>4</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>General Physics I</td>
<td>PHY 223</td>
<td>4</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Engineering Physics I</td>
<td>PHYS 220</td>
<td>4</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>General Physics I</td>
<td>PHS 2230</td>
<td>4</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Foundations of Physics I</td>
<td>PHY 203</td>
<td>4</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Engineering Physics I</td>
<td>PHY 201</td>
<td>4</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>General Physics I</td>
<td>PS 210</td>
<td>4</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Physics Engineers &amp; Scientists I</td>
<td>PHY 220</td>
<td>4</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Engineering Physics I</td>
<td>PHY 250</td>
<td>4</td>
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<tr>
<td>St. Louis Community College</td>
<td>Engineering Physics I</td>
<td>PHY 122</td>
<td>4</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>General Physics I with Lab</td>
<td>PHYS 118</td>
<td>4</td>
</tr>
</tbody>
</table>

A study of the mechanics of solids, liquids, and gases; and of heat and sound. A course intended for the student who plans to major in mathematics, the physical sciences, or engineering.

General Physics I is the first course in the physics sequence for all physics, chemistry, mathematics, and pre-engineering majors and is a rigorous study of topics in kinematics, dynamics, and thermodynamics. Laboratory time is required. This course is required for the Associate of Science degree.

Calculus-based introduction to the principles of mechanics, heat, and sound with an emphasis on problem solving and applications in engineering and science careers.

An introductory course designed to meet the needs of physical science or engineering majors. Newtonian mechanics, heat and thermodynamics and introductory mechanical wave motion are included. Three lecture hours, one problem session and one laboratory per week.

First of two semesters in basic calculus physics. Lecture and laboratory topics covered include mechanics, waves, and thermodynamics.

The first course in a calculus-based physics sequence for science and engineering students. The course covers the principles of mechanics, gravity, thermodynamics, and waves with an emphasis on problem solving and application in science and engineering. Course includes a laboratory component.

The fundamental principles and theories of classical physics topics including kinematics, dynamics, statics, fluids, oscillations, wave mechanics and thermodynamics, based on calculus and vector manipulations. A laboratory course is included to emphasize and reinforce the principles and theories.

This is a calculus based physics course. Students learn about the principles and applications of mechanics, wave motion and heat. Laboratory activities give students the opportunity to develop the basic skills in data collection and analysis required in physics.

Calculus-based course that teaches fundamentals of mechanics, heat and sound.

This course is the first semester of a two-semester calculus-level physics sequence. The entire sequence covers topics in mechanics, heat and thermodynamics, optics, electricity and magnetism, with mechanics being one of the topics covered in the first semester. Additional lab hours required.

An introduction to the fundamental ideas of physics. Topics include mechanics, oscillatory motion and thermodynamics. First course in calculus-based physics for the science and engineering student. (4 lecture, 1 lab)
<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Technical College of Missouri</td>
<td>General Physics</td>
<td>PHY 201</td>
<td>4</td>
<td>This calculus based traditional physics course includes, but is not limited to, selected topics from classical mechanics with other material included as time permits.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>General Physics I</td>
<td>PHYS 211</td>
<td>4</td>
<td>This course is the first of a rigorous two-course sequence in calculus-based physics for all science and engineering majors expecting to transfer to a four-year college or university. It may also be taken to transfer to other college or university programs requiring introductory physics. It covers the topics of properties of matter, mechanics, oscillation, and waves.</td>
</tr>
</tbody>
</table>
## Missouri Higher Education Core Transfer Curriculum

### Mathematical Sciences Knowledge Area

**Mathematical Sciences: Objectives**

*State-level Goal*

To develop students' understanding of fundamental mathematical concepts and their applications. Students should develop a level of quantitative literacy that would enable them to make decisions and solve problems and which could serve as a basis for continued learning.

**Suggested Competencies**

Students will demonstrate the ability to . . .

- Describe contributions to society from the discipline of mathematics.
- Recognize and use connections within mathematics and between mathematics and other disciplines.
- Read, interpret, analyze, and synthesize quantitative data (e.g., graphs, tables, statistics, survey data) and make reasoned estimates.
- Formulate and use generalizations based upon pattern recognition.
- Apply and use mathematical models (e.g., algebraic, geometric, statistical) to solve problems.

### Mathematical Sciences: Courses

<table>
<thead>
<tr>
<th>MOTR Number</th>
<th>MOTR Title</th>
<th>Transfer Credits</th>
<th>Equivalent Courses</th>
<th>MOTR COURSE DESCRIPTION</th>
</tr>
</thead>
</table>

3 credits minimum

Updated February 28, 2018
<table>
<thead>
<tr>
<th>COURSE</th>
<th>DEPARTMENT</th>
<th>CREDIT HOURS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR MATH 130</td>
<td>Pre-Calculus Algebra</td>
<td>3</td>
<td>Pre-Calculus Algebra is intended to prepare students for fields of study that would require a high level of algebraic reasoning or Calculus. Topics include the foundational principles of functions, the analysis of functions and algebraic reasoning.</td>
</tr>
<tr>
<td>MOTR MATH 120</td>
<td>Mathematical Reasoning &amp; Modeling</td>
<td>3</td>
<td>Mathematical Reasoning and Modeling is a terminal course in mathematics for students in the humanities. Given the variety of college and career paths falling within the humanities, this course may be customized to fit the student needs for a particular postsecondary institution. The proposed student learning outcomes/objectives form a basic course framework that will be enhanced by including additional outcomes/objectives, as needed. The purpose of this course is to provide a comprehensive overview of the skills required to navigate the mathematical demands of modern life and prepare students for a deeper understanding of information presented in mathematical terms. Emphasis is placed on improving students’ ability to draw conclusions, make decisions, and communicate effectively in mathematical situations that depend upon multiple factors. To that end, students will develop...</td>
</tr>
<tr>
<td>MOTR MATH 110</td>
<td>Statistical Reasoning</td>
<td>3</td>
<td>Statistical Reasoning is a first course in statistics for students whose college and career paths require knowledge of the fundamentals of the collection, analysis and interpretation of data. Topics include the presentation of interpretation of univariate and bivariate data using graphical and numerical methods, probability, discrete and continuous probability distributions, linear regression, an understanding of good practice in study design, statistical inference, confidence intervals and hypothesis testing. Emphasis is placed on the development of statistical thinking, simulation and the use of technology. Students should develop an appreciation of the need for data to make good decisions and an understanding of the dangers inherent in basing decisions on anecdotal evidence rather than data. To that end, students will use appropriate data-collection methods and...</td>
</tr>
<tr>
<td>MOTR MATH 150</td>
<td>Pre-Calculus</td>
<td>5</td>
<td>Pre-Calculus is intended to prepare students for fields of study that would require a high level of algebraic and trigonometric reasoning or Calculus. Topics include the foundational principles of functions, the analysis of functions, algebraic reasoning, geometric reasoning, and trigonometry.</td>
</tr>
</tbody>
</table>
Mathematical Sciences
CORE COURSE EQUIVALENCIES

**MOTR COURSE NAME**
**MOTR COURSE NUMBER**
**KNOWLEDGE AREA**
**TRANSFER CREDITS**

**MOTR COURSE DESCRIPTION**
Mathematical Reasoning and Modeling is a terminal course in mathematics for students in the humanities. Given the variety of college and career paths falling within the humanities, this course may be customized to fit the student needs for a particular postsecondary institution. The proposed student learning outcomes/objectives form a basic course framework that will be enhanced by including additional outcomes/objectives, as needed. The purpose of this course is to provide a comprehensive overview of the skills required to navigate the mathematical demands of modern life and prepare students for a deeper understanding of information presented in mathematical terms. Emphasis is placed on improving students’ ability to draw conclusions, make decisions, and communicate effectively in mathematical situations that depend upon multiple factors.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Quantitative Reasoning</td>
<td>MAT 115</td>
<td>3</td>
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</tr>
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</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri Southern State University</td>
<td>Contemporary Mathematics</td>
<td>Math 125</td>
<td>3</td>
<td>An introduction to various areas of mathematics, such as geometry, statistics, set theory, algebra, and other topics.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Contemporary Math</td>
<td>MTH 130</td>
<td>3</td>
<td>This is a problem solving and applications of mathematics course. Topics to be studied will include, but not limited to: the art of problem solving, geometry, probability, statistics, and mathematics of finance. Cannot count toward a mathematics major or minor. Cannot be taken Pass/Not Pass. MTH 130 does not meet the prerequisite for MTH 135.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>College Algebra</td>
<td>MTH 135</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Mathematical Reasoning and Modeling</td>
<td>Math 1110</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Contemporary Problem Solving</td>
<td>MAT 110</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Contemporary Problem Solving</td>
<td>MAT 110E</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Finite Mathematics</td>
<td>MAT 112</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Mathematical Modeling</td>
<td>MATH 17-116</td>
<td>3</td>
<td>A course for helping students apply functions to model practical situations. Students will apply concepts of algebra to problem solving while relying more heavily on technology when using nonlinear situations. Will satisfy The Northwest Core requirement in mathematical reasoning.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Concepts of Mathematics</td>
<td>MATH 17-115</td>
<td>3</td>
<td>An explanation of ways in which mathematics is used to understand the contemporary world. Will satisfy The Northwest Core requirement in mathematics. A proficiency examination is available.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Finite Mathematics</td>
<td>MATH 17-110</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Fundamentals of Mathematics</td>
<td>MATH 17-171</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Survey of Mathematics</td>
<td>MA123</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Mathematical Reasoning &amp; Modeling</td>
<td>MATH 1520</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A comprehensive overview of mathematical skills including drawing conclusions, making decisions, and communicating effectively in mathematical</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
</tr>
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<td>-------------------------------------------------</td>
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</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Quantitative Reasoning</td>
<td>Math 1050</td>
<td>3</td>
<td>Promotes mathematical literacy among students. This course will cover important mathematical ideas and problem solving skills in the context of science, technology, and/or society. Topics may include: logic and critical thinking, Venn Diagrams, problem solving, sets, units of measure, percentages and ratios, counting and probability, exponential growth and decay, linear and exponential models. Quantitative Reasoning is designed to stimulate interest in and appreciation of mathematics and quantitative reasoning as valuable tools for comprehending the world in which we live.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Notes</td>
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<tr>
<td>North Central Missouri College</td>
<td>Contemporary Math</td>
<td>MT 119</td>
<td>3</td>
<td>Needs course description.</td>
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<tr>
<td>North Central Missouri College</td>
<td>Contemporary Math with Workshop</td>
<td>MT 119W</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Contemporary Mathematics</td>
<td>MTH 128</td>
<td>3</td>
<td>This course provides students with a basic survey of mathematics. Topics include problem solving, modeling, counting methods, probability, statistics and geometry.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Contemporary Mathematics</td>
<td>MTH 128S</td>
<td>3</td>
<td>This course provides students with a basic survey of mathematics. Topics include problem solving, modeling, counting methods, probability, statistics and geometry.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Contemporary College Math</td>
<td>MATH 155</td>
<td>4</td>
<td>Course provisionally approved</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Quantitative Reasoning</td>
<td>MTH161</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Mathematical Reasoning and Modeling</td>
<td>MATH 113</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Survey of College Mathematics</td>
<td>MAT 118</td>
<td>3</td>
<td>College mathematics including the following topics: algebra, geometry, trigonometry, counting methods, probability, statistics, consumer finance, and logic.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
</tbody>
</table>

**CORE 42**

**Missouri Higher Education Core Transfer Curriculum**

Updated February 28, 2018
# Pre-Calculus Algebra

Pre-Calculus Algebra is intended to prepare students for fields of study that would require a high level of algebraic reasoning or Calculus. Topics include the foundational principles of functions, the analysis of functions and algebraic reasoning.

## MOTR Course Information

<table>
<thead>
<tr>
<th>MOTR Course Name</th>
<th>MOTR Course Number</th>
<th>Transfer Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Calculus Algebra</td>
<td>MOTR MATH 130</td>
<td>3</td>
</tr>
</tbody>
</table>

## Knowledge Area

Mathematical Sciences

## Institution Details

### Harris-Stowe State University
- **Course Name**: College Algebra
- **Course Number**: MATH 0135
- **Transfer Credits**: 3

### Lincoln University
- **Course Name**: College Algebra
- **Course Number**: MAT – 113
- **Transfer Credits**: 3

### Missouri Southern State University
- **Course Name**: College Algebra
- **Course Number**: Math 130
- **Transfer Credits**: 3

### Missouri State University
- **Course Name**: PreCalculus 1
- **Course Number**: MTH 136
- **Transfer Credits**: 3

- **Course Description**: This course is part one of a two course sequence with emphasis on the analytic, graphical, and numerical representations of functions. The focus of the course is on the library of algebraic functions (polynomial, rational, exponential, and logarithmic functions) along with higher algebraic reasoning in preparation for the study of Calculus (MTH 261). Grade of C or better required to enroll in MTH 137 or MTH 287. Credit will not be given for both MTH 136 and 138, or both MTH 136 and 135. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Fail.

### Missouri University of Science & Technology
- **Course Name**: College Algebra
- **Course Number**: Math 1120/1140
- **Transfer Credits**: 3

### Missouri Western State University
- **Course Name**: College Algebra
- **Course Number**: MAT 116
- **Transfer Credits**: 3

### Northwest Missouri State University
- **Course Name**: Precalculus Algebra
- **Course Number**: Math 17-118
- **Transfer Credits**: 3

- **Course Description**: A course for helping students use functions to model situations. Will satisfy The Northwest Core requirement in mathematical reasoning. Proficiency examination is available.

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Type</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southeast Missouri State University</td>
<td>Pre-Calculus A</td>
<td>MA116</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Truman State University</td>
<td>College Algebra</td>
<td>Math 156</td>
<td>3</td>
<td>Continuation of algebra including such topics as linear and quadratic equations, linear and quadratic inequalities, second degree relations and functions, systems of equations and inequalities, and exponential and logarithmic functions.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>College Algebra</td>
<td>MATH 1111</td>
<td>3</td>
<td>A review of exponents, order of operations, factoring, and simplifying polynomial, rational, and radical expressions. Topics include: linear, quadratic, polynomial, rational, inverse, exponential, and logarithmic functions and their applications. Students will solve equations involving these functions, and systems of linear equations in two variables, as well as inequalities. See the Math website for specific requirements.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>College Algebra</td>
<td>Math 1100</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>College Algebra</td>
<td>Math 110</td>
<td>3</td>
<td>A review of exponents, order of operations, factoring, and simplifying polynomial, rational, and radical expressions. Topics include: linear, quadratic, polynomial, rational, inverse, exponential, and logarithmic functions and their applications. Students will solve equations involving these functions, and systems of linear equations in two variables, as well as inequalities. See the Math website for specific requirements.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>College Algebra</td>
<td>Math 1030</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Algebra for Calculus</td>
<td>MATH 135</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>PreCalc A</td>
<td>MTH170</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>College Algebra</td>
<td>MTH 134</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors College Algebra</td>
<td>MTH 134H</td>
<td>3</td>
<td>A study of various types of equations and inequalities, functions and their inverses, theory of higher degree equations, systems of equations, determinants, logarithms and exponentials, and applications.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>College Algebra</td>
<td>Math 120</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Precalculus Algebra course material includes linear functions and equations; analysis of graphs and functions, including piecewise; absolute value equations and inequalities; quadratic and polynomial functions; rational, power and root functions.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>College Algebra</td>
<td>MTH 135</td>
<td>3</td>
<td>Precalculus Algebra course material includes linear functions and equations; analysis of graphs and functions, including piecewise; absolute value equations and inequalities; quadratic and polynomial functions; rational, power and root functions.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Precalculus Algebra</td>
<td>MTH140</td>
<td>3</td>
<td>Precalculus Algebra course material includes linear functions and equations; analysis of graphs and functions, including piecewise; absolute value equations and inequalities; quadratic and polynomial functions; rational, power and root functions.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Central Missouri College</td>
<td>College Algebra</td>
<td>MT122</td>
<td>3</td>
</tr>
<tr>
<td>Student learning objectives include: graphing, analyzing, and solving linear, quadratic, polynomial, rational, logarithmic and exponential functions and equations, solving systems of equations and inequalities, matrices, and other topics as time permits. Satisfies general education mathematics requirement; consult transfer catalog for specific program math requirements. PREREQUISITE: MT110 or appropriate math placement score no older than three years.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>College Algebra with Workshop</td>
<td>MT 122W</td>
<td>3</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>College Algebra with Workshop</td>
<td>MT 122W</td>
<td>3</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>College Algebra with Workshop</td>
<td>MT 122W</td>
<td>3</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>College Algebra</td>
<td>MTH 130</td>
<td>4</td>
</tr>
<tr>
<td>This course is designed for students who do not meet MT119 Contemporary Mathematics requirements. A survey of mathematics used in our world, including fundamentals of statistics, problem-solving strategies and decision making, and proportional reasoning. Deeper understanding of information presented in mathematical terms through critical thinking in quantitative-based situations adds to a student’s capabilities. Other topics will be considered as time permits. Includes a three credit hour workshop designed to give students customized assistance to provide just-in-time academic support to help their learning and success in the course. This course satisfies the Mathematics General Education Mathematics competency requirement.</td>
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</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>College Algebra</td>
<td>MTH 130S</td>
<td>4</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>College Algebra</td>
<td>MTH 130S</td>
<td>4</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>College Algebra</td>
<td>MTH 130S</td>
<td>4</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>College Algebra-STEM</td>
<td>MATH 162</td>
<td>4</td>
</tr>
<tr>
<td>This course is a standard course in college level algebra. Topics include properties of functions; polynomial, rational, exponential, logarithmic functions and their graphs; and matrices. MTH 130S will be driven by the same objectives as MTH 130, and satisfy the same requirement. The course design will provide students with more time, support, and individualized instruction to accomplish those objectives.</td>
<td></td>
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</tr>
<tr>
<td>St. Louis Community College</td>
<td>Precalculus Algebra</td>
<td>MTH160</td>
<td>4</td>
</tr>
<tr>
<td>This course prepares students for fields of study that require a high level of algebraic reasoning or calculus. Topics include the foundational principles of functions, the analysis of functions, algebraic reasoning, and matrices. Students will study the following functions: linear, quadratic, exponential,</td>
<td></td>
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</tr>
<tr>
<td>State Fair Community College</td>
<td>Precalculus Algebra</td>
<td>MATH 114</td>
<td>3</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Transfer Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Technical College of Missouri</td>
<td>College Algebra</td>
<td>MAT 115</td>
<td>3</td>
<td>Under Review by Faculty Discipline Group: This college algebra course includes a basic review of exponents, radical expressions, rational exponents, polynomial expressions, factoring, and rational expressions. Students will solve linear, absolute value, quadratic, polynomial, radical, rational, exponential and logarithmic equations; and systems of equations, along with applications. The course covers graphs of circles and functions including linear, quadratic, piecewise, polynomial, rational, exponential and logarithmic.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>College Algebra</td>
<td>MATH 163</td>
<td>3</td>
<td>Under Review by Faculty Discipline Group: This college algebra course includes a basic review of exponents, radical expressions, rational exponents, polynomial expressions, factoring, and rational expressions. Students will solve linear, absolute value, quadratic, polynomial, radical, rational, exponential and logarithmic equations; and systems of equations, along with applications. The course covers graphs of circles and functions including linear, quadratic, piecewise, polynomial, rational, exponential and logarithmic.</td>
</tr>
</tbody>
</table>

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>PRE-CALCULUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR MATH 150</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>MATHEMATICAL SCIENCES</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>5</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>Pre-Calculus is intended to prepare students for fields of study that would require a high level of algebraic and trigonometric reasoning or Calculus. Topics include the foundational principles of functions, the analysis of functions, algebraic reasoning, geometric reasoning, and trigonometry.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Transfer Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Notes</td>
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</tr>
<tr>
<td>Lincoln University</td>
<td>Pre-Calculus Mathematics</td>
<td>MAT 121</td>
<td>5</td>
<td>Equivalent of MATH 130 and MATH 135.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>College Algebra &amp; Trigonometry</td>
<td>Math 140</td>
<td>5</td>
<td>The course has emphasis on the analytic, graphical, and numerical representations of functions. The focus is on the library of algebraic functions (polynomial, rational, exponential, and logarithmic functions), the library of trigonometric functions, and a high level of algebraic and geometric reasoning in preparation for the study of Calculus (MTH 261). A grade of C or better required to enroll in MTH 261 or 287. Cannot receive credit for both MTH 136 and 138 or MTH 137 and 138. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>PreCalculus Mathematics</td>
<td>MTH 138</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Precalculus</td>
<td>MTH150</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Precalculus</td>
<td>MATH 17-117</td>
<td>4</td>
<td>A course to prepare students to take calculus. Topics include functions and graphs, equations and inequalities, and analytic geometry and trigonometry. Will satisfy the Northwest Core requirement in mathematics.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Precalculus</td>
<td>MA137</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Truman State University</td>
<td>Precalculus</td>
<td>Math 186</td>
<td>5</td>
<td>Course provisionally approved.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Pre-Calculus</td>
<td>MATH 1150</td>
<td>5</td>
<td>Course provisionally approved. Pre-calculus concepts in algebra and trigonometry for the student with an above average preparation in high school mathematics. Prerequisite(s): a high school program including advanced algebra, one unit of geometry, and one-half unit of trigonometry.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Precalculus</td>
<td>Math 1160</td>
<td>5</td>
<td>Course provisionally approved.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Precalculus</td>
<td>Math 120</td>
<td>5</td>
<td>Course provisionally approved.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Precalculus</td>
<td>Math 1045</td>
<td>5</td>
<td>Course provisionally approved.</td>
</tr>
<tr>
<td>Institution</td>
<td>Equivalent Course</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Precalculus</td>
<td>MTH 141</td>
<td>Course provisionally approved</td>
<td></td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Pre-Calculus</td>
<td>Math 150</td>
<td>A study of various types of algebraic equations and inequalities, functions and their inverses, theory of higher degree polynomial equations, systems of equations, determinants, logarithms, exponentials and applications. A study of trigonometric functions and their inverses, formulas and identities, conditional equations, radian measure, arc length, angular velocity, function graphing and solution of triangles.</td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
<td></td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Pre-Calculus Mathematics</td>
<td>MTH 138</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. The course includes selected topics in algebra and trigonometry to prepare the student for calculus. Students not having taken MTH 103 should have three years of high school algebra at the level of Algebra 'I' or above and an approved score on the departmental placement test. A student who takes MTH 135 and 138 receives credit toward graduation only for one of the courses. The course will not count toward mathematics major or minor.</td>
<td></td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Precalculus</td>
<td>MTH150</td>
<td>This course is a unified study of College Algebra and Trigonometry designed to prepare students for Calculus. The course will focus on algebraic, trigonometric, logarithmic and exponential functions.</td>
<td></td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Pre-Calculus</td>
<td>MT 148</td>
<td>This is a preparatory course for the Calculus sequence. Student learning outcomes include: algebraic, trigonometric, exponential and logarithmic equations and inequalities; systems of equations and inequalities; matrices; solutions of triangles; inverses of algebraic and trigonometric functions, trigonometric identities; and an introduction to analytic geometry. MT 122 is recommended. PREREQUISITE: MT 110 with a grade of A or B, or appropriate placement score taken within last three years.</td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Pre_Calculus Mathematics</td>
<td>MTH 138</td>
<td>Course provisionally approved</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Pre-Calculus Mathematics</td>
<td>MAT 171</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Course Description</td>
<td>MOTR Course Code</td>
<td>Credits</td>
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</tr>
<tr>
<td>St. Louis Community College</td>
<td>PreCalculus</td>
<td>MTH 185</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Pre-calculus</td>
<td>MAT 120</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>College Algebra/Trigonometry</td>
<td>MAT 115/121</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.**

**UNDER REVIEW BY FACULTY DISCIPLINE GROUP**

Selected topics in algebra and trigonometry to prepare the student for calculus. Topics covered will include algebraic, exponential, logarithmic, and trigonometric functions, the graphs of these functions, the solution of right triangles, trigonometric identities, and the solution of trigonometric equations.

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR Course Name</th>
<th>Statistical Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR Course Number</td>
<td>MOTR MATH 110</td>
</tr>
<tr>
<td>Knowledge Area</td>
<td>MATHEMATICAL SCIENCES</td>
</tr>
<tr>
<td>Transfer Credits</td>
<td>3</td>
</tr>
</tbody>
</table>
**MOTR COURSE DESCRIPTION**

Statistical Reasoning is a first course in statistics for students whose college and career paths require knowledge of the fundamentals of the collection, analysis and interpretation of data. Topics include the presentation of interpretation of univariate and bivariate data using graphical and numerical methods, probability, discrete and continuous probability distributions, linear regression, an understanding of good practice in study design, statistical inference, confidence intervals and hypothesis testing. Emphasis is placed on the development of statistical thinking, simulation and the use of technology. Students should develop an appreciation of the need for data to make good decisions and an understanding of the dangers inherent in basing decisions on anecdotal evidence rather than data. To that end, students will use appropriate data-collection methods and statistical techniques to support reasonable conclusion through the following student learning outcomes.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Elementary Statistics</td>
<td>MAT 117</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Statistical Reasoning</td>
<td>Stat 1115</td>
<td>3</td>
<td>Course provisionally approved</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introductory Statistics</td>
<td>MAT 111</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introductory Statistics</td>
<td>MAT 111E</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>General Statistics</td>
<td>17-114</td>
<td>3</td>
<td>Course provisionally approved</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Statistical Reasoning</td>
<td>MA155</td>
<td>3</td>
<td>Course provisionally approved</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Basic Statistics</td>
<td>ACST 1300</td>
<td>3</td>
<td>A study of elementary statistics. Topics include descriptive statistics, elementary probability theory, inferential statistics, and tests of statistical hypotheses.</td>
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</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Introductory Statistical Reasoning</td>
<td>STAT 1200</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. Statistical concepts for critically evaluation quantitative information. Descriptive statistics, probability, estimation, hypothesis testing, correlation and regression. Students may not receive credit if they have received or are concurrently receiving credit for a higher numbered course offered by the Statistics Department. Math Reasoning Proficiency Course.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Elementary Statistics</td>
<td>MATH 130</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Elementary Statistics</td>
<td>MTH 132</td>
<td>3</td>
<td>Course provisionally approved</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Statistics</td>
<td>Math 115</td>
<td>3</td>
<td>Course provisionally approved</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Elementary Statistics</td>
<td>MTH160</td>
<td>3</td>
<td>Elementary Statistics includes descriptive statistics, statistical design, correlation and regression, and elementary probability. Statistical inferences will include one- and two-sample confidence intervals and hypotheses tests.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Statistics</td>
<td>MT 125</td>
<td>3</td>
<td>This course provides students with a valuable framework in which to learn and apply statistical concepts. Student learning outcomes include but are not limited to: the nature of probability and statistics, frequency distributions and graphs, data description, confidence intervals, hypothesis testing, correlation and regression. This course satisfies the General Education Mathematics requirement. PREREQUISITE: DSO49 or appropriate math placement test score</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credit Hours</td>
<td></td>
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</tr>
<tr>
<td>North Central Missouri College</td>
<td>Statistics with Workshop</td>
<td>MT 125W</td>
<td>3</td>
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</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>College Statistics-General Education</td>
<td>MATH 157</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introductory Statistics</td>
<td>MTH180</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Statistical Reasoning</td>
<td>Math 119</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

This course is designed for students who do not meet requirements to take MT125 Elementary Statistics. Course provides students with valuable framework in which to learn and apply statistical concepts. Student learning outcomes include but are not limited to the nature of probability and statistics, frequency distributions and graphs, data description, confidence intervals, hypothesis testing, and correlation and regression. Includes a 3 credit hour workshop designed to give students customized, just-in-time academic support. Satisfies general education math requirement. Three credit hours will count toward degree requirements in some academic plans.

Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.

Course provisionally approved

This is a first course in statistics for students, such as social science majors, whose college and career paths require knowledge of the fundamentals of the collection, analysis and interpretation of data. Topics include interpretation of univariate and bivariate data using graphical and numerical methods, probability, discrete and continuous probability distributions, linear regression, an understanding of good practice in study design, statistical inference, confidence intervals and hypothesis testing. Data-collection methods, statistical thinking and techniques, simulation, and the use of technology will support decisions and conclusions.

Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.

Students transferring to this institution will receive three (3) credits in the Mathematical Sciences knowledge area.
Missouri Higher Education Core Transfer Curriculum

Humanities & Fine Arts Knowledge Area

Humanities & Fine Arts: Objectives
State-level Goal
To develop students' understanding of the ways in which humans have addressed their condition through imaginative work in the humanities and fine arts; to deepen their understanding of how that imaginative process is informed and limited by social, cultural, linguistic, and historical circumstances; and to appreciate the world of the creative imagination as a form of knowledge.

Suggested Competencies
Students will demonstrate the ability to . . .
- Describe the scope and variety of works in the humanities and fine arts (e.g., fine and performing arts, literature, speculative thought).
- Explain the historical, cultural, and social contexts of the humanities and fine arts.
- Identify the aesthetic standards used to make critical judgments in various artistic fields.
- Develop a plausible understanding of the differences and relationships between formal and popular culture.
- Articulate a response based upon aesthetic standards to observance of works in the humanities and fine arts.

Humanities & Fine Arts: Courses

9 credits minimum, from at least two disciplines.

<table>
<thead>
<tr>
<th>MOTR Number</th>
<th>MOTR Title</th>
<th>Transfer Credits</th>
<th>Equivalent Courses</th>
<th>MOTR COURSE DESCRIPTION</th>
</tr>
</thead>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR ARTS 100</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MOTR ARTS 101</td>
<td>Art History I</td>
<td>3</td>
</tr>
<tr>
<td>MOTR ARTS 102</td>
<td>Art History II</td>
<td>3</td>
</tr>
<tr>
<td>MOTR CRWT 100</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>MOTR CRWT 100F</td>
<td>Creative Writing-Fiction</td>
<td>3</td>
</tr>
<tr>
<td>MOTR CRWT 100P</td>
<td>Creative Writing-Poetry</td>
<td>3</td>
</tr>
<tr>
<td>MOTR CRWT 100NF</td>
<td>Creative Writing-Nonfiction</td>
<td>3</td>
</tr>
<tr>
<td>MOTR CRWT 100D</td>
<td>Creative Writing-Dramatic Script</td>
<td>3</td>
</tr>
<tr>
<td>MOTR LITR 100</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>MOTR LITR 100F</td>
<td>Introduction to Literature-Fiction</td>
<td>3</td>
</tr>
<tr>
<td>MOTR LITR 100P</td>
<td>Introduction to Literature-Poetry</td>
<td>3</td>
</tr>
<tr>
<td>MOTR LITR 100D</td>
<td>Introduction to Literature-Drama</td>
<td>3</td>
</tr>
<tr>
<td>MOTR LITR 101</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>MOTR LITR 102</td>
<td>American Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Art Appreciation**

An introduction to the appreciation of the visual arts, this course engages students in critical and creative thinking about broad topics including aesthetics, art history, and art criticism. The course provides an opportunity for students to acquire knowledge, cognition, and perception of the universal qualities of art through the study of the elements and principles of art and design and participation in media, techniques, and processes in art.

**Art History I**

A survey of art, architecture, and decorative arts of various world cultures dating from prehistory to around the 1400s CE. This comprehensive course may include and emphasize any or all topics in early art of Africa, the Americas, the Ancient near East, Asia, Europe, and Oceania.

**Art History II**

A survey of art, architecture, and decorative arts of various world cultures dating from around the 1400s CE to present day. This course may feature artists and art styles from around the globe.

**Creative Writing**

Various types of imaginative writing such as fiction, poetry, play and/or scripts, creative non-fiction. Subcategories to include:
- Fiction writing
- Poetry writing
- Creative non-fiction writing
- Dramatic (script) writing

**Introduction to Literature**

This course is an introductory survey of the major works in literature. Special attention is given to literary terminology and critical analysis. Subcategories to include:
- Introduction to Fiction
- Introduction to Poetry
- Introduction to Drama

**American Literature I**

A survey of American Literature from its pre-colonial beginnings through the end of the Civil War. This course includes literary criticism, textual reception, as well as historical and cultural context. Various authors and genres will be included.

**American Literature II**

A survey of American literature from the Civil War to the present. This course includes the topics of literary criticism, textual reception, as well as historical
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR LITR 103</td>
<td>British Literature I</td>
<td>3</td>
<td>A survey of British Literature and culture from its beginnings to the 18th century. This course includes the topics of literary criticism, textual reception, as well as historical and cultural context. Various authors and genres will be included.</td>
</tr>
<tr>
<td>MOTR LITR 104</td>
<td>British Literature II</td>
<td>3</td>
<td>A survey of British Literature and culture from the late 18th century to the present. This course includes the topics of literary criticism, textual reception, as well as historical and cultural context. Various authors and genres will be included.</td>
</tr>
<tr>
<td>MOTR LITR 105</td>
<td>Multicultural Literature</td>
<td>3</td>
<td>This is a study of literary works by minority authors. Subcategories to include: African-American Literature, Native American Literature, Latino/Latina Literature</td>
</tr>
<tr>
<td>MOTR LITR 105AA</td>
<td>Multicultural Literature-African-American</td>
<td>3</td>
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<tr>
<td>MOTR LITR 105NA</td>
<td>Multicultural Literature-Native-American</td>
<td>3</td>
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</tr>
<tr>
<td>MOTR LITR 105L</td>
<td>Multicultural Literature-Latino/Latina</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MOTR LITR 106</td>
<td>Women’s Literature</td>
<td>3</td>
<td>This course is a study of individual women writers, genres, periods or approaches significant in the development of female literary traditions.</td>
</tr>
<tr>
<td>MOTR LITR 200</td>
<td>World Literature I</td>
<td>3</td>
<td>A survey of literature from around the world, emphasizing translated works from Asia, Africa, the Middle East, Europe, and the Americas. Begins with antiquity and ends around 1660. (Literature from Great Britain and the United States are usually excluded from this course.)</td>
</tr>
<tr>
<td>MOTR LITR 210</td>
<td>World Literature II</td>
<td>3</td>
<td>A survey of literature from around the world, emphasizing translated works from Asia, Africa, the Middle East, Europe, and the Americas. Begins around 1660 and extends to the present day. (Literature from Great Britain and the United States are usually excluded from this course.) Subcategories to include: Asian Literature and Middle-Eastern Literature</td>
</tr>
<tr>
<td>MOTR LANG 101</td>
<td>French I</td>
<td>3</td>
<td>An introduction to the French language, this course teaches the four communication skills—listening, speaking, reading, and writing—through Francophone cultures.</td>
</tr>
<tr>
<td>MOTR LANG 102</td>
<td>French II</td>
<td>3</td>
<td>Continued study of French language and culture.</td>
</tr>
<tr>
<td>MOTR LANG 103</td>
<td>Spanish I</td>
<td>3</td>
<td>An introduction to the Spanish language, this course teaches the four communication skills—listening, speaking, reading, and writing—through materials featuring Francophone cultures.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018

174
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR LANG 104</td>
<td>Spanish II</td>
<td>3</td>
<td>Continued study of Spanish language and culture.</td>
</tr>
<tr>
<td>MOTR LANG 105</td>
<td>Foreign Language I</td>
<td>3</td>
<td>This course catches less common foreign languages, such as Italian, German, Latin, and Chinese. It also can be used to transfer in French and Spanish courses that are 4 or 5 credit hours. Foreign language professionals at individual schools to wrestle with placement issues as they personally test student language ability, which will be important for any student who is taking additional courses in that same language.</td>
</tr>
<tr>
<td>MOTR LANG 106</td>
<td>Foreign Language II</td>
<td>3</td>
<td>This course catches less common foreign languages, such as Italian, German, Latin, and Chinese. It also can be used to transfer in French and Spanish courses that are 4 or 5 credit hours. Foreign language professionals at individual schools to wrestle with placement issues as they personally test student language ability, which will be important for any student who is taking additional courses in that same language.</td>
</tr>
<tr>
<td>MOTR WCIV 101</td>
<td>Western Civilization I</td>
<td>3</td>
<td>Survey of the development of western civilization from its origins through the Reformation. Topics may include changes in political organization, religion, artistic expression, and daily life in the ancient Near East and Europe.</td>
</tr>
<tr>
<td>MOTR WCIV 102</td>
<td>Western Civilization II</td>
<td>3</td>
<td>Survey of the continued development of western civilization from approximately 1660 to the present day. Topics may include industrialization, imperialism, political revolutions, immigration, and global wars.</td>
</tr>
<tr>
<td>MOTR FILM 100</td>
<td>Introduction to Film Studies</td>
<td>3</td>
<td>This course provides an introduction to film as a medium and art form. Students study film from the late 19th century to the present by examining the technical, artistic, sociological, historic and economic influences on the filmmaker and the film. Students will also learn theory and criticism techniques used in the field through an examination of production values including imagery, sound editing and other technical elements as well as theme, story, pacing and direction. In-class screenings provide a framework for analysis as well as give the students the opportunity to view the work in context as a communal art form. Class format includes lecture, discussion, writing, and in-class screenings.</td>
</tr>
<tr>
<td>MOTR MUSC 100</td>
<td>Music Appreciation</td>
<td>3</td>
<td>This course is a study of how music creatively expresses self-understanding, cultural environment, and aesthetic values from ancient to modern times. An emphasis on the basic elements of music and the historical and stylistic</td>
</tr>
<tr>
<td>MOTR MUSC 100RP</td>
<td>Music Appreciation-Rock/Pop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>MOTR MUSC 100J</td>
<td>Music Appreciation Jazz</td>
<td>3</td>
<td>periods, illustrated by examples from different genres, instrumental and vocal ensembles, and solo literature for voice and instruments.</td>
</tr>
<tr>
<td>MOTR MUSC 101</td>
<td>Music Fundamentals</td>
<td>3</td>
<td>Rudiments of music (scales, key signatures, rhythms, intervals, notation) with their application within the context of music.</td>
</tr>
<tr>
<td>MOTR MUSC 102</td>
<td>World Music</td>
<td>3</td>
<td>An introduction to the music of the world's cultures, emphasizing diversity and the uniqueness of each culture.</td>
</tr>
<tr>
<td>MOTR MUSC 103</td>
<td>Music History I</td>
<td>3</td>
<td>A study of art music, its styles and forms with emphasis on representative works from the standard repertoire including the Medieval, Renaissance, Baroque, and Classic eras.</td>
</tr>
<tr>
<td>MOTR MUSC 104</td>
<td>Music History II</td>
<td>3</td>
<td>A survey of the history of western music of the Romantic era through the twentieth century.</td>
</tr>
<tr>
<td>MOTR PHIL 100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
<td>An introduction to historical and topical themes in philosophy, such as free will, God, personal identity, the limits of scientific knowledge, the nature of inferential reasoning, social justice, among others. Emphasis is placed on the rational examination of unquestioned presuppositions commonly made about human nature, the self's relation to others, and the interface of society and the individual brought to light by philosophical inquiry.</td>
</tr>
<tr>
<td>MOTR PHIL 101</td>
<td>Introduction to Logic</td>
<td>3</td>
<td>This course introduces the student to basic principles of sound reasoning, including both deductive and inductive logic. Topics may include formal and informal fallacies, categorical logic, propositional logic, and other introductory topics in critical thinking.</td>
</tr>
<tr>
<td>MOTR PHIL 102</td>
<td>Introduction to Ethics</td>
<td>3</td>
<td>An introduction to the philosophical study of morality, including broadly historical, topical, theoretical, and/or applied areas of ethical inquiry. Topics may include challenges to morality (relativism, egoism), moral theoretical foundations (virtue ethics, care ethics, deontological ethics, utilitarianism, pragmatism, particularism, pluralism, and others), social ethics (including race, sexuality, gender, and/or other issues in social justice), and applied areas (e.g., abortion, capital punishment, environmental ethics, healthcare, and so forth). Emphasis may be placed on conceptions of human nature presupposed by various theoretical and applied moral frameworks.</td>
</tr>
<tr>
<td>MOTR RELG 100</td>
<td>World Religion</td>
<td>3</td>
<td>An introduction to a wide variety of world religious belief systems and practices, as well as the historical-cultural value systems underpinning their various divergent and/or overlapping value systems. Topics include major world religions (Judaism, Christianity, Islam, Hinduism, Buddhism, among others), as well as various intradenominational religious expressions (e.g., Sunni, Shiite, Jainism, Lutheran, Methodist, Catholic, and so forth). Emphasis is placed on the development of a philosophical outlook that appreciates the religious pluralism of globalized societies.</td>
</tr>
<tr>
<td>MOTR PERF 100</td>
<td>Acting I</td>
<td>3</td>
<td>This course will provide an introduction to the fundamental training a beginning actor will need to develop their voice, body, creativity and characterization for the stage. Exercises and script analysis will be used as well as scene work.</td>
</tr>
<tr>
<td>MOTR PERF 100VD</td>
<td>Voice Diction</td>
<td>3</td>
<td>Students will explore theories and techniques to improve and enhance the voice for performance by using exercises that promote enunciation, breathing, projection, articulation and clarity.</td>
</tr>
<tr>
<td>MOTR PERF 100SM</td>
<td>Stage Movement</td>
<td>3</td>
<td>Students will study movement techniques used by stage performers and the theories behind them.</td>
</tr>
<tr>
<td>MOTR PERF 100TT</td>
<td>Musical Theatre Techniques</td>
<td>3</td>
<td>Students will study the basic principles of singing and vocal technique to build characterization for musical theatre.</td>
</tr>
<tr>
<td>MOTR PERF 100SC</td>
<td>Stage Combat</td>
<td>3</td>
<td>A study of the techniques and methods used in choreographed stage fighting such as falling, rolling, unarmed fighting and basic sword play. Emphasis on safety.</td>
</tr>
<tr>
<td>MOTR PERF 101</td>
<td>Directing I</td>
<td>3</td>
<td>This course explores the fundamental principles of a director in a stage production through lecture, discussion, and hands-on experience. Student emphasis will be in selecting and analyzing the script, casting, composition, and character interpretation.</td>
</tr>
<tr>
<td>MOTR PERF 101S</td>
<td>Stage Management</td>
<td>3</td>
<td>Students investigate the role and develop the fundamental skills of a stage manager to use during a theatre production.</td>
</tr>
<tr>
<td>MOTR PERF 102C</td>
<td>Music Performance-Choir</td>
<td>1</td>
<td>A choral performance course open to all students who have had previous musical experience in choir. Study of literature, rehearsal techniques and applying both to performances will be the emphasis.</td>
</tr>
<tr>
<td>MOTR PERF 102B</td>
<td>Music Performance-Band</td>
<td>1</td>
<td>An instrumental performance course open to all students who have had previous music experience in band. Study of literature, rehearsal techniques and applying both to performances will be the emphasis.</td>
</tr>
<tr>
<td>MOTR PERF 102O</td>
<td>Music Performance-Orchestra</td>
<td>1</td>
<td>An instrumental performance course open to all students who have had...</td>
</tr>
</tbody>
</table>
previous music experience in orchestra. Study of literature, rehearsal techniques and applying both to performances will be the emphasis.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR PERF 103SA</td>
<td>Script Analysis</td>
<td>3</td>
<td>Methodologies of script analysis from page to performance. Extensive writing will be required.</td>
</tr>
<tr>
<td>MOTR PERF 103P</td>
<td>Playwriting</td>
<td>3</td>
<td>This course explores the process of playwriting through dramatic writing exercises, emphasizing the one-act play.</td>
</tr>
<tr>
<td>MOTR PERF 104S</td>
<td>Stagecraft</td>
<td>3</td>
<td>Students will explore the technical aspects of a theatre production and the theory and processes of the designers.</td>
</tr>
<tr>
<td>MOTR PERF 104SD</td>
<td>Scenic Design</td>
<td>3</td>
<td>Students are given a hands-on introduction to the fundamentals of scenic design for a modern theatrical production including drawing, drafting, and model work.</td>
</tr>
<tr>
<td>MOTR PERF 104C</td>
<td>Costuming</td>
<td>3</td>
<td>An introduction to the costuming process for a theatrical production. Basic design aspects, maintenance and sewing techniques are emphasized.</td>
</tr>
<tr>
<td>MOTR PERF 104D</td>
<td>Theatre Drafting</td>
<td>3</td>
<td>Students will use modern drafting tools to create visual and technical designs for theatre.</td>
</tr>
<tr>
<td>MOTR PERF 104M</td>
<td>Stage Makeup</td>
<td>3</td>
<td>This course is designed to provide a hands-on study of practice and design of stage makeup. Focus is on the application techniques of stage makeup to create a character.</td>
</tr>
<tr>
<td>MOTR PERF 105D</td>
<td>Studio Art-Introduction to Drawing</td>
<td>3</td>
<td>An introduction to the visual art of drawing, emphasizing construction, form, perspective, hand-eye coordination, tools, media, and so forth. Utilizes a wide variety of media (chosen by the instructor), including pencil, charcoal, pen, ink, etc.</td>
</tr>
<tr>
<td>MOTR PERF 105P</td>
<td>Studio Art-Painting</td>
<td>3</td>
<td>An introductory course to the creative processes, techniques, and materials used in painting. This course engages students in the production of works through selection and use of primary materials and processes such as color mixing and brush techniques.</td>
</tr>
<tr>
<td>MOTR PERF 105GA</td>
<td>Studio Art-Graphic Arts</td>
<td>3</td>
<td>An introductory course in graphic arts such as commercial design, printmaking, serigraphy, photography, digital imaging, or any other graphic arts course. Students may engage in and employ appropriate materials to create works using basic two-dimensional design processes and techniques such as engraving, etching, layout, and typography.</td>
</tr>
<tr>
<td>MOTR PERF 105S</td>
<td>Studio Art-Sculpture</td>
<td>3</td>
<td>An introductory course to the creative processes, techniques, and materials used in sculpture. Students will explore basic three-dimensional approaches to spatial organization, modeling techniques, and produce simple works in metal, plaster, wood, clay, stone, or any other appropriate sculptural medium.</td>
</tr>
</tbody>
</table>
Students may be introduced to underlying issues in sculpture such as context, scale, form, structure, and space.

**MOTR PERF 105C**  
**Studio Art-Ceramics**  
3  
An introductory course to the creative processes, techniques, and materials used in ceramics. Students will explore the fundamental hand building and potter’s wheel techniques and engage in the production of functional and aesthetic works. Students may be introduced to and be involved in the traditional and modern firing and glazing techniques.

**MOTR PERF 105M**  
**Studio Art-Multimedia Crafts**  
3  
An introductory course to fiber arts such as weaving, macramé, and fiber sculpture, or any other crafts media as deemed suitable by the instructor. Students will be introduced to the processes, techniques, and materials and engage in the production of works in any, a combination, or all aspects of multimedia crafts.

**MOTR THEA 100**  
**Theatre Appreciation**  
3  
An introduction to various aspects of theatre including theatre history, its role in society, and the collaborative roles and contributions of theatre artists including actors, directors, designers and critics.

**MOTR THEA 100B**  
**Children’s Theatre**  
3  
This course will study various techniques and methods used in children’s theatre and how those techniques are used in the development and production of a show for young people.

**MOTR THEA 100C**  
**History of the Musical**  
3  
A survey course covering the origin of the modern musical from its beginnings to present day.

**MOTR THEA 104**  
**Theatre History I**  
3  
This course is a study of the history of theatre from ancient Greece to the Restoration Period. The course will explore the evolution of theatre with respect to its cultural, social and aesthetic contexts.

**MOTR THEA 105**  
**Theatre History II**  
3  
This course is a study of the history of theatre from the Restoration Period to contemporary theatre. The course will explore the evolution of theatre with respect to its cultural, social and aesthetic contexts.

**MOTR THEA 106**  
**World Drama**  
3  
A survey of world drama with emphasis on Greeks to present. Students will focus on development of each culture’s theatre and its’ global perspective.
### Humanities & Fine Arts COURSE EQUIVALENCIES

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>ART HISTORY I</th>
<th>MOTR COURSE NUMBER</th>
<th>MOTR ARTS 101</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
</table>

**MOTR COURSE DESCRIPTION**

A survey of art, architecture, and decorative arts of various world cultures dating from prehistory to around the 1400s CE. This comprehensive course may include and emphasize any or all topics in early art of Africa, the Americas, the Ancient near East, Asia, Europe, and Oceania.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Art History, Theory and Criticism</td>
<td>ART 0200</td>
<td>3</td>
<td><strong>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</strong> This course enables students to examine selected masterpieces of architecture, sculpture, painting and other forms of visual art against the background of ideas, values and cultures existing at the time these works were created. Students search for unity within the various historical periods for the purpose of defining styles, developing theories and engaging in art criticism.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>History and Appreciation of Art</td>
<td>ART 330</td>
<td>3</td>
<td>A survey course covering prehistoric art through the Renaissance movement.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Art History, Prehistoric Through Gothic</td>
<td>ART 0251</td>
<td>3</td>
<td>Historic survey of the visual arts primarily in the Near East, North Africa, and Europe from pre-historic times through the Middle Ages.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td></td>
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<tr>
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<td></td>
</tr>
<tr>
<td>Missouri State University</td>
<td>History of Western Art I</td>
<td>ART 271</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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<tr>
<td>Missouri Western State University</td>
<td>Ancient Through Medieval Art</td>
<td>ART 205</td>
<td>3</td>
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</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Survey of Art I: Prehistory through Medieval Art</td>
<td>ART 109</td>
<td>3</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Art History Survey I</td>
<td>AH 110</td>
<td>3</td>
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</tr>
<tr>
<td>Truman State University</td>
<td>Caves to Cathedrals: European and Middle Eastern Art from Prehistory to 1400 C.E.</td>
<td>ART 222</td>
<td>3</td>
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<tr>
<td>University of Central Missouri</td>
<td>Art History Survey I</td>
<td>ART 1815</td>
<td>3</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Ancient and Medieval Art</td>
<td>AR_H_A 1110</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>From Cave Painting to Cathedrals</td>
<td>ART-HIST 201</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Global Art History</td>
<td>ART HS 1120</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
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<tr>
<td>East Central College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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</tr>
<tr>
<td>Jefferson College</td>
<td>Survey of Art I</td>
<td>ART 103</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

- A survey of Western art and the cultures that produced it from Prehistory through the Gothic period.
- Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.
- History of art in western civilization: prehistoric times through the Middle Ages.
- A survey of painting, sculpture, architecture, and the decorative arts from cave art through the Gothic Period in Europe, in addition to early Islamic, African, Asian, Oceanic art and that of the Americas in their chronology.
- A global study of the visual arts from prehistoric times through the Gothic Age.
- From the earliest painting on cave walls to the soaring cathedrals of the Gothic Period, this course offers an historical approach to the art and architecture of the western world before the Renaissance. Art is approached as a text with which one can examine religion, history, technology, and many other aspects of society.
- An introductory survey of art in the Western world from prehistoric origins through the Middle Ages (caves to cathedrals) using art historical description and interpretation based on the social, cultural, intellectual, political, and religious contexts that produced it.
- Introductory survey of the architecture, sculpture and painting of the ancient Near East, Greece, Rome, Byzantium and Medieval Europe.
- Students will learn to analyze and place in an art historical context Western art and architecture from approximately 35,000 BCE to 1250 CE. Art and architecture from all relevant cultures and religions - pagan, Christian, and Islamic - will be covered; particular emphasis will be placed on the accomplishments of Egyptian and Greek artists.
- UNDER REVIEW BY FACULTY DISCIPLINE GROUP This class explores transcultural perspectives in Art History. Students will be introduced to creative visual traditions from across the globe. The class will examine themes such as death and the afterlife, religious practice, visual persuasion, and design aesthetic in historical Europe, Africa, Asia, the Indigenous Americas and Oceania.
- Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.
- Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.
- Survey of Art I is a broad survey of the visual arts from the Paleolithic Age, the ancient Near East, Greece, and Rome to the Middle Ages. This course
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metropolitan Community College</td>
<td>History of Art I</td>
<td>ART 150</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>emphasizes the historic, social, and intellectual background of the artistic and architectural masterpieces that comprise the cultural heritage of early western civilization. This course is required for all art majors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>History of Art I</td>
<td>ART 1490</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Historical events and their influence on the development of architecture, painting, and sculpture from prehistoric times through the medieval periods in Western Civilization.</td>
<td></td>
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</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
<td></td>
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</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Art Survey and Appreciation I</td>
<td>ART 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ART 101 is a slide/lecture course examining the visual arts from prehistoric times through the 17th century. Content includes a study of style, design, technique, iconography, and function of art in Western and non-Western culture.</td>
<td></td>
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</tr>
<tr>
<td>North Central Missouri College</td>
<td>Appreciation of the Arts</td>
<td>AR 102</td>
<td>3</td>
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<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP.</td>
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</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Art History I</td>
<td>ART-101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course covers an illustrated study of the history of art. Vocabulary of the basic art elements will be covered as well as the study of prehistoric art through the Gothic period. Major works of paintings, sculptures and architecture will be explored.</td>
<td></td>
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</tr>
<tr>
<td>St. Charles Community College</td>
<td>Survey of Western Art History I: Prehistory to End of the Middle Ages</td>
<td>ART 1500</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Survey art history course focusing on historically significant cultures and forms of art and architecture in Western Civilization. Exploration of the development of human achievements from Prehistory to the end of the Middle Ages.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Art History I</td>
<td>ART 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course is a survey of art before 1300 C.E. Works of art and characteristics of artistic styles are presented and discussed as manifestations of influential ideas from the following cultures or periods Prehistoric, Mesopotamian, Egyptian, Aegean, Greek, Etruscan, Roman, Early Christian, Byzantine, Early and Late Medieval, and two or more Non-Western Cultures.</td>
<td></td>
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</tr>
<tr>
<td>State Fair Community College</td>
<td>Art Appreciation</td>
<td>ART 101</td>
<td>3</td>
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<tr>
<td></td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Art History I</td>
<td>ART K101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course provides an introduction to the history of art from prehistoric through to the mid-15th century from a global perspective. Major works in many media including painting, sculpture, and architecture will be covered. By the end of this course, students will have a visual vocabulary with which they can intelligently discuss and write about works of art. Regardless of whether the work is accessible and easy to admire or difficult and not readily understood, students...</td>
<td></td>
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</tr>
</tbody>
</table>
will understand how to evaluate works of art not only for their beauty, but for other intrinsic values such as power of expression and boldness of communication. Outside readings and papers required.

### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>MOTR COURSE NUMBER</th>
<th>KNOWLEDGE AREA</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART HISTORY II</td>
<td>MOTR ARTS 102</td>
<td>HUMANITIES &amp; FINE ARTS</td>
<td>3</td>
<td>A survey of art, architecture, and decorative arts of various world cultures dating from around the 1400s CE to present day. This course may feature artists and art styles from around the globe.</td>
</tr>
</tbody>
</table>

### Institutions

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Twentieth Century Art</td>
<td>ART 331</td>
<td>3</td>
<td>A survey course covering the major art movements dating from the 14th century through the 20th century.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Art History, Renaissance Through Modern</td>
<td>ART 0252</td>
<td>3</td>
<td>Historic survey of the visual arts of Europe from the early Renaissance through the nineteenth century. A comparative study of other cultures will be included.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>History of Western Art II</td>
<td>ART 272</td>
<td>3</td>
<td>A survey of Western art and the cultures that produced it from the Gothic Period to the Second World War.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Renaissance Through Modern Art</td>
<td>ART 255</td>
<td>3</td>
<td>History of art in western civilization: Renaissance through modern times.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Survey of Art II: Renaissance to the Present</td>
<td>ART 111</td>
<td>3</td>
<td>A survey of painting, sculpture, architecture, and the decorative arts from the Renaissance Period to the present in Europe and America, and includes</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Art History Survey II</td>
<td>AH 210</td>
<td>3</td>
<td>Global study of the visual arts from the Renaissance to the contemporary era.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Art in Europe and America from the Renaissance to the Present Day</td>
<td>ART 223</td>
<td>3</td>
<td>From Renaissance chapels to the most contemporary multimedia works, this course covers the history of art in Europe and the United States from 1400 to the present day, tracing the various and changing ways in which the world is represented by artists during this period. Art is examined not only as a physical and visual object, but also as a record of the interaction between images and diverse historical and cultural fields.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Art History Survey II</td>
<td>ART 1825</td>
<td>3</td>
<td>An introductory survey of art in the Western world from the Middle Ages to the art of today using art historical description and interpretation based on the social, cultural, intellectual, political, and religious contexts that produced it.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Renaissance through Modern Art</td>
<td>AR_H_A 1120</td>
<td>3</td>
<td>Introductory survey of architecture, sculpture and painting of Europe and America from the Renaissance to Modern times.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>From Michelangelo to Modernism</td>
<td>ART-HIST 202</td>
<td>3</td>
<td>This course will examine major monuments of Western art and architecture during the late Middle Ages through the Modern period. Art will be examined in its cultural context stressing artistic intent, issues of gender, changing patterns of patronage, and the ascending status of the artist in society.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area</td>
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<tr>
<td>East Central College</td>
<td>No equivalent course</td>
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<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Survey of Art II</td>
<td>ART 105</td>
<td>3</td>
<td>Survey of Art II surveys the visual arts from the late Middle Ages through the Renaissance to the early 19th century. This course stresses the historic, social, and intellectual background of European masterpieces of art and architecture. This course is required for all art majors.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>History of Art II</td>
<td>ART 151</td>
<td>3</td>
<td>Western civilization through the historical developments and relationships of architecture, painting, and sculpture from the Renaissance to present day.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>History of Art II</td>
<td>ART 1500</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Art Survey and Appreciation II</td>
<td>ART 102</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
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<td>College</td>
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<td>Course Code</td>
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<tr>
<td>North Central Missouri College</td>
<td>Art Appreciation</td>
<td>AR 104</td>
<td>3</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>Art History II</td>
<td>ART-105</td>
<td>3</td>
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<tr>
<td>St. Charles Community College</td>
<td>Survey of Western Art History II: Renaissance to the 20th Century</td>
<td>ART 1505</td>
<td>3</td>
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<tr>
<td>St. Louis Community College</td>
<td>Art History II</td>
<td>ART 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Modern Art History</td>
<td>ART 120</td>
<td>3</td>
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</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>Under Review by Faculty Discipline Group</td>
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<tr>
<td>Three Rivers College</td>
<td>Art History II</td>
<td>ART K102</td>
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</tbody>
</table>

This course covers an illustrated study of the history of art. Vocabulary of the basic art elements will be covered as well as the study of the Renaissance through Contemporary movements. Major works of paintings, sculptures and architecture will be explored.

Survey art history course focusing on historically significant cultures and forms of art and architecture in Western Civilization. Exploration of the development of human achievements from the Renaissance to the 20th century.

This course is a survey of art after 1300 C.E. Works of art and characteristics of artistic styles are presented and discussed as manifestations of influential ideas from the following periods or styles: Proto-Renaissance, Early Italian Renaissance, Early and Late Northern Renaissance, High Renaissance, Mannerism, Baroque, Rococo, selected 19th and 20th Century styles, and two or more Non-Western cultures.

Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area

This course provides an introduction to the history of art from the mid-15th century through to contemporary from a global perspective. Major works in many media including painting, sculpture, installation art, and performance art will be covered. By the end of this course, students will have a visual vocabulary with which they can intelligently discuss and write about works of art. Regardless of whether the work is accessible and easy to admire or difficult and not readily understood, students will understand how to evaluate works of art not only for their beauty, but for other intrinsic values such as power of expression and boldness of communication. Outside readings and papers required.
<table>
<thead>
<tr>
<th>MOTR COURSE NUMBER</th>
<th>MOTR ARTS 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNOWLEDGE AREA</td>
<td>HUMANITIES &amp; FINE ARTS</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
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</table>

**MOTR COURSE DESCRIPTION**

An introduction to the appreciation of the visual arts. This course engages students in critical and creative thinking about broad topics including aesthetics, art history, and art criticism. The course provides an opportunity for students to acquire knowledge, cognition, and perception of the universal qualities of art through the study of the elements and principles of art and design and participation in media, techniques and processes in art.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Introduction to Art</td>
<td>ART 0150</td>
<td>3</td>
<td>In this course students are introduced to the richness and variety of visual art forms through acquaintance with works of art in the St. Louis Art Museum, local art galleries, art studios, public buildings and Laumeier Sculpture Park. Through slides, a required text and other resources, students will be made aware of the contributions of many different cultures.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Introduction to Art</td>
<td>ART 100</td>
<td>3</td>
<td>An introduction to the visual arts including the study of the elements, principles, media, techniques and critical appreciation.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Art Appreciation</td>
<td>ART 0110</td>
<td>3</td>
<td>A survey designed to increase appreciation of the visual arts through readings, slide lectures, library research and visits to the George A. Spiva Center for the Arts. Development of the cognitive and critical processes as they relate to the visual arts are emphasized.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Art in Context</td>
<td>ART 200</td>
<td>3</td>
<td>In this art appreciation course students will learn how to look at objects of art and to appreciate the value such objects hold in society. This course introduces the elements of art and the principles of design and is intended to enhance an interest, appreciation, and understanding of the visual arts in the context of their cultures.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Art Appreciation</td>
<td>ART 1180</td>
<td>3</td>
<td>A basic introductory course designed to familiarize students who have little or no knowledge of the arts with fundamental knowledge necessary for intelligent approach to experiencing the visual arts; painting, sculpture, and architecture.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introduction to Art</td>
<td>ART 100</td>
<td>3</td>
<td>General background in the history, philosophy, principles, and techniques of the visual arts.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Art Appreciation</td>
<td>ART 13-102</td>
<td>3</td>
<td>A study of the elements and principles of art as well as forms of expression in works from the major periods of Western art. Although the works will be studied in the context of history, the course is not a chronological survey.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Perspectives in Art</td>
<td>AR 112</td>
<td>3</td>
<td>Understanding the role of contemporary and historical art in enriching the human experience.</td>
</tr>
<tr>
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<td>Course Description</td>
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</tr>
<tr>
<td>Truman State University</td>
<td>Introduction to the Visual Arts</td>
<td>ART 203</td>
<td>3</td>
<td>The relationship of the student to visual environment studied through a survey of the aesthetics of the visual arts and through a survey of historical periods.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Ideas and the Visual Arts</td>
<td>ART 1800</td>
<td>3</td>
<td>Engages students in critical and creative thinking about broad topics in the visual arts ranging from questions about the nature of art (aesthetics), to describing and interpreting works of art (art criticism), to art historical and cultural contexts (art history), and elements and principles of art and design (studio art).</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Appreciation of Art</td>
<td>ART_GNRL 1020</td>
<td>3</td>
<td>Illustrated discussion with examples from varied historic and contemporary art fields on nature of art, functions, and methods of creative expression.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Introduction to the History of Art: Pyramids to Picasso</td>
<td>ART-HIST 110</td>
<td>3</td>
<td>This is an introduction to the history of art, with in-depth discussions of painting, sculpture, prints, and architecture. Students will be introduced to significant works from major historical periods; their cultural roles, style and composition, and the artistic processes involved in their creation. Emphasis is placed upon Western art history, with attention paid to important interactions with other world traditions, including the arts of Islam, Japan, and Africa. The comprehensive collections of The Nelson-Atkins Museum of Art contribute an important component to the course.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introduction To Western Art</td>
<td>ART HS 1100</td>
<td>3</td>
<td>An introduction to major historical movements in Western art.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Art Appreciation</td>
<td>ART 101</td>
<td>3</td>
<td>This course is a survey of major concepts in the visual arts and their relation to the societies that produced them. Art Appreciation is an introduction to the history of art, contemporary art, art theory, artworks, media, and creative processes. The student will develop an increased appreciation for the visual arts, the usage of media as a means of communication, and the parallel relation to specific styles, periods and cultures. This course partially fulfills Humanities general education requirements.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Art Appreciation</td>
<td>AR 1203</td>
<td>3</td>
<td>This course is intended to stimulate students’ visual, cultural, and intellectual awareness by introducing design vocabulary, conceptual awareness, analytical skills, and methods of the creative process. Students will also be introduced to a general overview of global artistic activities through the ages and consider the importance of visual arts in their contemporary lives.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Art Appreciation</td>
<td>ART 101</td>
<td>3</td>
<td>Art Appreciation is a study of fine art from many periods, prehistoric through contemporary, with emphasis on seeing and understanding style and technique.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Survey of Art</td>
<td>ART 108</td>
<td>3</td>
<td>A brief history of the Visual Arts, including painting drawing, sculpture and architecture. Global cultures from prehistoric times through present day will be covered.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Art in Context</td>
<td>ART 200</td>
<td>3</td>
<td>In this art appreciation course students will learn how to look at objects of art and to appreciate the value such objects hold in society. This course introduces</td>
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Updated February 28, 2018
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<th>College</th>
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<th>Code</th>
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<td>Art Survey and Appreciation I</td>
<td>ART 101</td>
<td>3</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Art Appreciation</td>
<td>AR 104</td>
<td>3</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>Art and Experience</td>
<td>ART 100</td>
<td>3</td>
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<td>St. Charles Community College</td>
<td>Art Appreciation</td>
<td>ART 1001</td>
<td>3</td>
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<td>St. Louis Community College</td>
<td>Art Appreciation</td>
<td>ART 100</td>
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<td>State Fair Community College</td>
<td>Art Appreciation</td>
<td>ART 101</td>
<td>3</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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<tr>
<td>Three Rivers College</td>
<td>History and Art Appreciation</td>
<td>ARTS 123</td>
<td>3</td>
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</tbody>
</table>

ART 101 is a slide/lecture course examining the visual arts from prehistoric times through the 17th century. Content includes a study of style, design, technique, iconography, and function of art in Western and non-Western culture.

A broad survey of the visual arts guiding the student toward an awareness of art in relation to the environment. Includes the examination of motivations for creating art, the study of various artistic processes and the chronological study of the history of art.

This course introduces the visual arts in the context of history and culture providing students with knowledge and practice in the skills necessary to make art a greater part of everyday life. It involves analysis of art works and introduces terminology and concepts for understanding the study of style, design, technique, iconography and function of art within various cultural matrices. This course provides an introduction to the western artistic and cultural tradition and provides students with knowledge of and practice in the skills necessary to make art a greater part of everyday life. In addition to learning to recognize and explain art from the major periods and styles in the western tradition, students also practice describing and reflecting upon their experience of particular works and investigate the creation of art.

Lectures to stimulate visual, emotional and intellectual awareness of humankind's artistic heritage. Covers historically significant art forms from prehistoric through postmodernism.

This course is intended to stimulate student's visual, aesthetic and intellectual awareness of our global artistic heritage. Both historic and thematic approaches to a wide variety of objects and media will develop students' abilities to evaluate and discuss the arts. It is intended for non-art majors.

Study of art history from the last of the 19th century through the present. Consists of formal lectures, films, slides, gallery and studio visits, assigned readings, as well as hands-on experiences with art materials. Includes the evolution of art by focusing on the major art movements of the past 100 years. Encourages appreciation of visual art through the study of content, design, technique, and criticism of art. Students learn how art changed during this period and how it reflects the dynamics of 20th century civilization.

Students transferring to this institution will receive three (3) credits in the Arts and Humanities knowledge area.

This is an introductory course emphasizing the appreciation of the visual arts through the study of the art and architecture of various geographical areas and cultures throughout history from antiquity through contemporary artist. A select number of significant artist, artistic movements, and cultures will be covered. The
Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>AMERICAN LITERATURE I</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR LITR 101</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
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<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>A survey of American Literature from its pre-colonial beginnings through the end of the Civil War. This course includes literary criticism, textual reception, as well as historical and cultural context. Various authors and genres will be included.</td>
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<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
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<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>American Literature I</td>
<td>ENG 0320I</td>
<td>3</td>
<td>American Literature I is a survey of American Literature from its pre-colonial beginnings through the end of the Civil War.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>American Literature Through 1865</td>
<td>ENG 307</td>
<td>3</td>
<td>The development of American literature through the Civil War. Features the various American subcultures, including those of African Americans and women, that have produced major forms and works, and focuses upon a greater aesthetic understanding of the salient literature of the period.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>American Literature I</td>
<td>ENG 0281</td>
<td>3</td>
<td>A survey of American Literature from its beginning to the Civil War.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Survey of American Literature I</td>
<td>ENG 350</td>
<td>3</td>
<td>Representative authors, movements, ideas, and styles in American literature from the beginning to 1870.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>American Literature: 1600 to 1865</td>
<td>ENGLISH 1221</td>
<td>3</td>
<td>A chronological survey that explores the ways the literature represents the concerns of individual authors as well as the history of literature.</td>
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<tr>
<td>Institution</td>
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<td>Course Description</td>
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<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>American Literature: Beginnings to 1866</td>
<td>ENGL 10-233</td>
<td>3</td>
<td>Development of American literature from the early Colonial period to the mid-19th century. Readings include Edwards, Hawthorne, Poe, Melville, Emerson, Thoreau, Dickinson, and Whitman.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>American Literature I</td>
<td>LI270</td>
<td>3</td>
<td>Beginnings-1860. Important works of American writers.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>American Literature: Chronology</td>
<td>ENG 265</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. This course takes a chronological approach to analyzing American Literature. Each class examines at least three consecutive periods in American Literature (Pre-Colonial, Colonial, Romantic, Realism and Naturalism, Modern, Contemporary). This course considers the structural, ideological, historical, or cultural significance of various works by important writers within the selected periods. The focus of each section is indicated in the class schedule. Possible combinations may be: 1) Pre-Colonial, Colonial, Romantic; 2) Colonial, Romantic, Realism and Naturalism; 3) Romantic, Realism and Naturalism, Modern; and 4) Realism and Naturalism, Modern, Contemporary.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>American Literature to 1865</td>
<td>ENGL 2200</td>
<td>3</td>
<td>An introduction to major American authors and works from the colonial period to the Civil War.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in American Literature, 1603 to 1789</td>
<td>ENGLISH 1307</td>
<td>3</td>
<td>Focuses on reading and interpreting selected texts in American literature.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>American Literature I</td>
<td>ENGLISH 311</td>
<td>3</td>
<td>A survey of American literature and culture from its beginnings to 1865. This course will cover a range of authors, several genres, and culture forms, which may include fiction, poetry, drama, autobiography, oral, contact and/or slave narratives, folklore, and songs.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>American Literature Before 1865</td>
<td>ENGL 2710</td>
<td>3</td>
<td>Representative selections from American authors from the early seventeenth century to the Civil War.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>American Literature I</td>
<td>ENGL 230</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. Selected readings in American literature from its native roots through the end of the Civil War, with emphasis on the oral traditions of native peoples, the poetry and essays of the Puritans and early settlers, Rationalism and Enlightenment treatises supporting the founding of the United States and establishment of its government, and the major writings of Emily Dickinson, Ralph Waldo Emerson, Henry David Thoreau, and Walt Whitman from the American Romantic tradition. The course will include multiple genres, including essays, poetry, short stories, and novels and will fulfill three hours of the nine required in humanities for an Associate of Arts degree.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Survey American Literature: Col-1865</td>
<td>ENG 221</td>
<td>3</td>
<td>A survey of American literature from the colonial period to the Civil War.</td>
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<tr>
<td>College</td>
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<td>Code</td>
<td>Credits</td>
<td>Description</td>
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<tr>
<td>Jefferson College</td>
<td>American Literature Before 1865</td>
<td>ENG 228</td>
<td>3</td>
<td>American Literature: Before 1865 examines American writers from pre-colonial and Puritan times through the Civil War era. Students will study the historical, philosophical, and cultural influences on American writers from our early explorers to Whitman.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>AMERICAN LITERATURE TO 1860</td>
<td>ENGL 222</td>
<td>3</td>
<td>Survey of American literary works to the Civil War.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>American Literature I</td>
<td>ENG 2430</td>
<td>3</td>
<td>The purpose of this course is to help students understand and appreciate early American literature. Covering the Puritan Period, Revolutionary Period and Romantic Period, nonfiction essays, journals, short stories and poetry will be studied. Classes are discussion oriented, with lectures provided to introduce historical information, facts about the authors and terminology peculiar to particular periods and genres. A strong emphasis will be placed on reading and discussion.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>American Literature Survey to 1870</td>
<td>LAL120</td>
<td>3</td>
<td>This course is a study of American literature from the colonial period to the late 19th century, emphasizing reading, interpretation, and criticism of works by major authors.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>American Literature Before 1865</td>
<td>EN 261</td>
<td>3</td>
<td>A survey of precolonial, eighteenth century and early nineteenth century literature with emphasis on the varied responses to the contexts of American experience, including voices of the dominant as well as minority cultures.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Survey American Literature I</td>
<td>ENG-350</td>
<td>3</td>
<td>Students in English 350 read and discuss major works of American nonfiction, fiction, poetry and drama written before 1870. The impact of the historic and cultural environment upon the literature is considered as students read for both critical analysis and appreciation. Prerequisite(s): ENG 101.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>American Literature From 1620-1865</td>
<td>LIT 210</td>
<td>3</td>
<td>Study of development of U.S. literary tradition beginning with early colonists through Civil War. Reading and discussion of major authors of poetry, fiction, drama and historical documents.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>American Literature Before 1865</td>
<td>ENG 204</td>
<td>3</td>
<td>This course is a study of representative works of American literature including socially and ethnically diverse writers from the pre-colonial period to 1865, with particular focus on the development of a unique national literature that reflects evolving notions of American identity through the Civil War.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>American Literature</td>
<td>LIT 107</td>
<td>3</td>
<td>Study of major American authors and works from the Colonial Period to the present, emphasizing development of concepts that have shaped American life and literature. Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
</tbody>
</table>
Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.

### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>AMERICAN LITERATURE II</th>
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</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR LITR 102</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>A survey of American literature from the Civil War to the present. This course includes the topics of literary criticism, textual reception, as well as historical and cultural context. Various authors and genres will be included.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>American Literature II: 1865 to the Present</td>
<td>ENG 0320II</td>
<td>3</td>
<td>American Literature II is a survey course designed to cover the texts of the major authors in American literature from 1865 until present time. Authors of diverse backgrounds, ethnicity and lifestyles will be represented.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Survey of American Literature: 1865 - Present</td>
<td>ENG 308</td>
<td>3</td>
<td>The development of American literature from the Civil War to the present. With an emphasis on major works, including those of African Americans and women, this course traces the maturation of American literature through the Modernist period and beyond.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>American Literature II</td>
<td>ENG 0282</td>
<td>3</td>
<td>A survey of American literature from the Civil War to the present.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Survey of American Literature II</td>
<td>ENG 351</td>
<td>3</td>
<td>Representative authors, movements, ideas, and styles in American literature from 1870 to the present.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>American Literature 1865 to Present</td>
<td>ENGLISH 1222</td>
<td>3</td>
<td>A chronological survey that explores the ways the literature represents the concerns of individual authors as well as the history of literature.</td>
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<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Arts and Humanities knowledge area.</td>
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<td>Institution</td>
<td>Course Description</td>
<td>Credit Hours</td>
<td>Notes</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>American Literature: 1865 to the Present. Readings include Twain, Norris, Crane, Hemingway, Faulkner, Wright, Momaday, Frost, Eliot, Stevens, Hughes and Brooks.</td>
<td>3</td>
<td>Development of American literature from the end of the Civil War to the present.</td>
<td></td>
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<tr>
<td>Southeast Missouri State University</td>
<td>American Literature II</td>
<td>3</td>
<td>1860-present. Important works of American writers.</td>
<td></td>
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<tr>
<td>Truman State University</td>
<td>American Literature: Chronology</td>
<td>ENGL 265</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
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<tr>
<td>University of Central Missouri</td>
<td>American Literature 1865 to Present</td>
<td>ENGL 2205</td>
<td>An introduction to major American authors and works from the Civil War to the present.</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in American Literature Series</td>
<td>ENGLISH 1300</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in American Literature Series, 1603-1789</td>
<td>ENGLISH 1307</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in American Literature Series, 1789-1890</td>
<td>ENGLISH 1308</td>
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<td>University of Missouri-Columbia</td>
<td>Readings in American Literature Series, 1890-Present</td>
<td>ENGLISH 1309</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in American Literature Series, Introduction to American Literature</td>
<td>ENGLISH 1310</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>American Literature II</td>
<td>ENGLISH 321</td>
<td>A survey of American literature and culture from 1865 to the present. This course will cover a range of authors, several genres, and culture forms, which may include fiction, poetry, drama, autobiography, essay, lyrics, and film.</td>
<td></td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>American Literature After 1865</td>
<td>ENGL 2720</td>
<td>Representative selections from American authors from the Civil War to the present.</td>
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</tr>
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<td>College</td>
<td>Course Description</td>
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<td>Notes</td>
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<tr>
<td>Crowder College</td>
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<td>ENGL 235</td>
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<tr>
<td>East Central College</td>
<td>Survey of American Literature: 1865-Present</td>
<td>ENG 222</td>
<td>3</td>
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<tr>
<td>Jefferson College</td>
<td>American Literature After 1865</td>
<td>ENG 229</td>
<td>3</td>
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</tr>
<tr>
<td>Metropolitan Community College</td>
<td>American Literature 1860-Present</td>
<td>ENGL 223</td>
<td>3</td>
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<tr>
<td>Mineral Area College</td>
<td>American Literature II</td>
<td>ENGL 2440</td>
<td>3</td>
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<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
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<tr>
<td>Moberly Area Community College</td>
<td>American Literature Survey from 1870</td>
<td>LAL121</td>
<td>3</td>
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<tr>
<td>North Central Missouri College</td>
<td>American Literature After 1865</td>
<td>EN 262</td>
<td>3</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>Survey American Literature II</td>
<td>ENG-351</td>
<td>3</td>
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<tr>
<td>St. Charles Community College</td>
<td>American Literature From 1865-pesent</td>
<td>LIT 220</td>
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</tbody>
</table>

**UNDER REVIEW BY FACULTY DISCIPLINE GROUP.** Selected readings in American literature from 1865 to the present. Periods of American Literature including Realism, Naturalism, Modernism, and Postmodernism will form the structure of the course and will include work by Mark Twain, Kate Chopin, John Steinbeck, Ernest Hemingway, and Arthur Miller among others. The course will include multiple genres including essays, poetry, short stories, and novels and will fulfill three hours of the nine required in humanities for an Associate of Arts degree.

A survey of American literature from the Civil War to the present.

American Literature: After 1865 examines American writing from the post-Civil War era to the present. Students will study the historical, philosophical, and cultural influences on American writers from Whitman and Dickinson to post-World War II moderns.

Survey of American literary works from the Civil War to the present.

This purpose of this course is to help students understand and appreciate American literature from the late 19th century to the late 20th century. Specific periods covered are the Realistic/Naturalist Period, Modernist Period and Post-Modernist Period. Classes are discussion oriented, with lectures provided to introduce historical information facts about the authors and terminology peculiar to particular periods and genres. A strong emphasis will be placed on reading and discussion.

Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.

This course is a study of American literature from the late 19th century to the present, emphasizing reading, interpretation, and criticism of works by major authors.

A survey of late nineteenth century, modern and contemporary literature with emphasis on the varied responses to the contexts of American experience, including voices of the dominant as well as minority cultures. **PREREQUISITE:** EN 101 or current enrollment in EN 101. EN 261 is not a prerequisite for EN 262. Humanities credit. (OF, OSP, OSU)

Students in English 351 read and discuss major works of American nonfiction, fiction, poetry and drama written since 1840. The impact of the historic and cultural environment upon the literature is considered as students read for both critical analysis and appreciation. **Prerequisite(s):** ENG 101.

Survey of American literature beginning with the period after the Civil War to the present. Major American writers in poetry, fiction, and drama will be read and discussed in relation to the development of intellectual thought and literary
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Louis Community College</td>
<td>American Literature Between 1865 and 1945</td>
<td>ENG 205</td>
<td>3</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>American Literature: 1865 to Present</td>
<td>COM 280</td>
<td>3</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>American Literature II</td>
<td>ENG K222</td>
<td>3</td>
</tr>
</tbody>
</table>

**UNDER REVIEW BY FACULTY DISCIPLINE GROUP**

Presenting United States literature written between 1865 and 1945, this course includes writers such as Adams, Cather, Chopin, Crane, Cullen, Cummings, Dickinson, DuBois, Eliot, Faulkner, Fitzgerald, Frost, Gilman, H.D., Hemingway, Hughes, James, Jewett, Millay, Moore, O'Neill, Porter, Pound, Stevens, Twain, Washington, Wharton, Whitman, Williams. Prerequisite: Reading Proficiency.

Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.

This course examines a broad overview of American literature from the end of the Civil War to the present. The historical perspective will be examined as we study different genres and literary movements. Through written assignments, class discussion, and exams, students will gain greater understanding of how American literature both influenced and was influenced by an evolving American culture. Prerequisite: COM 101 with a grade of "C" or better. 3 credit hours.

This course is a survey of American writers beginning from approximately 1865 to the present. Students will read the fiction, poetry, and drama of selected writers, and examine the dominant themes and literary movements that have shaped American literature. The multicultural dimensions of American literature will be explored, and a variety of relevant critical strategies will be used. Writing assignments will stress critical analysis including the incorporation of various critical approaches. Prerequisite: ENG* K102 or permission of the instructor.

**Missouri Higher Education Core Transfer Curriculum**

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<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>BRITISH LITERATURE I</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR LITR 103</td>
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<td>TRANSFER CREDITS</td>
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</table>
### MOTR COURSE DESCRIPTION

A survey of British literature and culture from its beginnings to the 18th century. This course includes the topics of literary criticism, textual reception, as well as historical and cultural context. Various authors and genres will be included.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Major British Authors: Beginnings to 1798</td>
<td>ENG 0326i</td>
<td>3</td>
<td>Major British Authors I is a survey of the work of major British authors from the 10th century to 1798.</td>
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<tr>
<td>Lincoln University</td>
<td>Survey of English Literature I</td>
<td>ENG 310</td>
<td>3</td>
<td>The development of English literature through the sixteenth century. Emphasis on major forms and works.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>British Literature I</td>
<td>ENG 0271</td>
<td>3</td>
<td>Survey of British literature from its beginnings through the eighteenth century.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Survey of English Literature I</td>
<td>ENG 340</td>
<td>3</td>
<td>Representative authors, movements, ideas, and styles in English literature from the beginning to 1790.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>British Literature I: The Beginnings to 1800</td>
<td>ENGLISH 1211</td>
<td>3</td>
<td>A survey of works and authors that explores the way these works represent the chronological period and express the individual concerns and techniques of those authors.</td>
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<tr>
<td>Missouri Western State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Arts and Humanities knowledge area.</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>English Literature: Beowulf through the 18th Century</td>
<td>ENG 10-245</td>
<td>3</td>
<td>A study of selected English literary masterpieces and their backgrounds from the Anglo-Saxons through Boswell’s biography of Samuel Johnson. Readings include Chaucer, More, Spenser, Marlowe, Shakespeare, Donne, Milton, Pope, Swift and Boswell.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>English Literature I</td>
<td>LI 260</td>
<td>3</td>
<td>Beginnings - 1798. Major English writing from Beowulf to the pre-Romantic period, with attention to form, historical consideration, contents and literary types.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>British Literatures: Chronology</td>
<td>ENG 245</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>British Literature to 1798</td>
<td>ENGL 2210</td>
<td>3</td>
<td>An introduction to major British authors and works from 700 to 1798.</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in British Literature, Beginning to 1603</td>
<td>ENGLISH 1206</td>
<td>3</td>
<td>Focuses on reading and interpreting selected texts in British literature.</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in British Literature, 1603 to</td>
<td>ENGLISH 1207</td>
<td>3</td>
<td>Focuses on reading and interpreting selected texts in British literature.</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>British Literature I</td>
<td>ENGLISH 317</td>
<td>3</td>
<td>A survey of British Literature and culture from its beginnings to the 18th century, including works by Chaucer and Milton.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>English Literature Before 1790</td>
<td>ENGL 2310</td>
<td>3</td>
<td>The development of English literature from the Middle Ages through the eighteenth century. Introduces students to major literary movements and themes through the reading and analysis of representative works of selected major authors.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>British Literature I</td>
<td>ENGL 240</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP. This course will survey the major British authors and works from the Old English period to the eighteenth century, connecting the literature with the historical and cultural influences of the different periods. Readings will include authors such as Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift, Pope, and other major British writers of the Middle Ages to 1790.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Survey of British Literature: Beginning-1784</td>
<td>ENG 210</td>
<td>3</td>
<td>A survey of British literature from the Anglo-Saxon period through the Age of Reason.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>English Literature Before 1800</td>
<td>ENG 225</td>
<td>3</td>
<td>English Literature: Before 1800 explores selected British works from Beowulf through the prose, poetry, and plays of Middle and early Modern English. Students will have the opportunity to study the relationships of philosophy, history, and literature.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>British Literature to 1750</td>
<td>ENGL 220</td>
<td>3</td>
<td>Survey of British literature from the early Middle Ages to the middle of the 18th century.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>English Literature I</td>
<td>ENG 2330</td>
<td>3</td>
<td>A survey study of major authors and their works from the early Middle Ages through the 18th century. Major figures studied include Chaucer, Shakespeare, Milton and Pope. A strong emphasis will be placed on reading and discussion.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive 3 credits in the Arts and Humanities knowledge area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>English Literature Survey to 1750</td>
<td>LAL150</td>
<td>3</td>
<td>This course surveys English literature from the Anglo-Saxon to the Neoclassical period, emphasizing reading, interpretation, and criticism of works by major authors. (FA)</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>English Literature I</td>
<td>EN 230</td>
<td>3</td>
<td>A survey of some significant works of English literature from Beowulf to Pope. Selected authors within this time frame will vary to offer as wide an overview of genres and perspectives as possible during the semester.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Survey English Literature I</td>
<td>ENG-340</td>
<td>3</td>
<td>Students read and discuss major works of English nonfiction, fiction, poetry and drama written before 1790. The impact of the historic and cultural environment upon the literature is considered as students read for both critical analysis and appreciation.</td>
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</table>

Updated February 28, 2018
Overview of earliest works written in English. Traces development of various forms of literature from beginnings in early Anglo-Saxon poetry through Shakespeare's plays and Romantic Poets.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Description</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri Southern State University</td>
<td>British Literature II: Survey of British literature from the Romantic Movement to the present.</td>
<td>ENG 0272</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>British Literature II: Representative authors, movements, ideas, and styles in English literature from 1790 to the present.</td>
<td>ENG 341</td>
<td>3</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>British Literature II: A survey of works and authors that explores the way these works represent the chronological period and express the individual concerns and techniques of those authors.</td>
<td>ENGLISH 1212</td>
<td>3</td>
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<tr>
<td>Missouri Western State University</td>
<td>No equivalent course: Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>English Literature: Romantics to the Present: English literature from the Romantics to the present, including works by Wordsworth, Byron, Keats, Shelley, Browning, Tennyson, Wilde, Hardy, Yeats, Woolf, Joyce, Lawrence, Lessing, Eliot and Auden.</td>
<td>ENG 10-246</td>
<td>3</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>English Literature II: 1798-present. Important works from the Romantics through Postmodernism. Concludes with late 20th and early 21st century shifts in artistic vision. Particular attention given to close reading and significance of historical/cultural context. Wide spectrum of experiences in critical writing.</td>
<td>LI 261</td>
<td>3</td>
</tr>
<tr>
<td>Truman State University</td>
<td>British Literatures: Chronology: This course takes a chronological approach in analyzing British Literature. Each class examines at least three consecutive periods in British Literature (Old English, Medieval, Renaissance, 17th Century, 18th Century, Romanticism, Victorian, Modern, Contemporary). ENG 245 British Literatures: Chronology considers the structural, ideological, historical, or cultural significance of various works by important writers within the selected periods. The focus of each section is indicated in the class schedule. Possible combinations might be: 1) Old English, Medieval, Renaissance; 2) Medieval, Renaissance, 17th Century; 3) Renaissance, 17th Century, 18th Century; 4) 17th Century, 18th Century, Romanticism; 5) 18th Century, Romanticism, Victorian; 6) Romanticism, Victorian, Modern; and 7) Victorian, Modern, Contemporary.</td>
<td>ENG 245</td>
<td>3</td>
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<tr>
<td>University of Central Missouri</td>
<td>British Literature 1798 to Present: An introduction to major British authors and works from 1798 to the present.</td>
<td>ENGL 2215</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in British Literature, 1789 to 1890: Focuses on reading and interpreting selected texts in British literature.</td>
<td>ENGLISH 1208</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Readings in British Literature, 1890 to Present: Focuses on reading and interpreting selected texts in British literature.</td>
<td>ENGLISH 1209</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>British Literature II: A survey of British Literature and culture from the late 18th century to the present. This course will cover a range of authors and genres, including at least one novel.</td>
<td>ENGLISH 327</td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>English Literature After 1790</td>
<td>ENGL 2320</td>
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<td>British Literature II</td>
<td>ENGL 245</td>
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<td>East Central College</td>
<td>Survey British Literature: Roman- Present</td>
<td>ENG 211</td>
<td>3</td>
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<td>Jefferson College</td>
<td>English Literature After 1800</td>
<td>ENG 226</td>
<td>3</td>
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<td>Metropolitan Community College</td>
<td>British Literature 1750-Present</td>
<td>ENGL 221</td>
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<td>Mineral Area College</td>
<td>English Literature II</td>
<td>ENG 2340</td>
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<td>Moberly Area Community College</td>
<td>English Literature Survey from 1750 to Present</td>
<td>LAL151</td>
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<td>North Central Missouri College</td>
<td>English Literature II</td>
<td>EN 240</td>
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<td>Ozarks Technical Community College</td>
<td>Survey English Literature II</td>
<td>ENG-341</td>
<td>3</td>
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<td>St. Charles Community College</td>
<td>English Literature After 1800</td>
<td>LIT 260</td>
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<tr>
<td>St. Louis Community College</td>
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<td>ENG 211</td>
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<td>State Fair Community College</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
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<td>3</td>
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<tr>
<td>Three Rivers College</td>
<td>British Literature II</td>
<td>ENG* K232</td>
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<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>FRENCH I</th>
</tr>
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<td>MOTR COURSE DESCRIPTION</td>
<td>An introduction to the French language, this course teaches the four communication skills – listening, speaking, reading, and writing – through materials featuring Francophone cultures. This course is currently included in the Missouri Transfer Course Library.</td>
</tr>
<tr>
<td>University</td>
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<tr>
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<td>Lincoln University</td>
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<td>Elementary French</td>
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<td>Ozarks Technical Community College</td>
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<td>St. Charles Community College</td>
<td>French Language and Culture I</td>
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<td>Harris-Stowe State University</td>
<td>Basic Drawing</td>
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<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Drawing I</td>
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<td>Missouri Western State University</td>
<td>Beginning Drawing I</td>
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<td>Southeast Missouri State University</td>
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<td>University of Central Missouri</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Drawing: Materials and Methods</td>
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<td>Foundation Drawing</td>
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<td>Missouri State University-West Plains</td>
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<td>Moberly Area Community College</td>
<td>Drawing and Composition I</td>
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<tr>
<td>North Central Missouri College</td>
<td>Drawing I</td>
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<tr>
<td>Ozarks Technical Community College</td>
<td>Drawing I</td>
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<td>St. Charles Community College</td>
<td>Drawing I</td>
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<tr>
<td>St. Louis Community College</td>
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<tr>
<td>State Fair Community College</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Drawing I</td>
</tr>
</tbody>
</table>

An introduction to drawing with emphasis on perception and developing a familiarity with elements of art and a sensitivity to their use in drawing. A basic course in drawing fundamentals desired by all transfer colleges. Various media are introduced so that the student gains an awareness of the potential of each. Value, line, texture and shape are some of the basic elements presented.

Basic elements and principles of drawing. A problematic approach to the process of seeing and drawing through an applied investigation of natural and man-made forms.

This is a basic free-hand drawing course that introduces the student to various graphic processes. The class investigates various drawing media such as pencil, charcoal, pen, and ink. Subject matter includes life, still life, and landscape. Supplies required for this course are the responsibility of the student.

A basic course emphasizing the elements of drawing and the interpretation of visual properties of form and space through drawing. No painting or color involved.

This course introduces basic visual art concepts, ideas and techniques that emphasize design principles and hand-eye coordination. The student will solve a variety of drawing problems with different methods and media. Students will become familiar with the basic vocabulary of the drawing process.

Introduction to drawing through variety of methods, both traditional and contemporary. Emphasis placed on analysis of space and form as well as familiarization with and control of drawing material. Introduction to line, perspective, shading, and texture.

This is a beginning course in fundamentals of drawing that includes an introduction to drawing principles, construction, proportion, form, value, perspective, composition, tools and media. Perception, visual awareness, sensitivity, attitude and judgment are all stressed.

Foundation course placing emphasis on drawing as an expressive medium. Content is based on a series of perceptual and conceptual assignments designed to force students to reach inside themselves to define, through their work, a sense of artistic self.

Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.

This is an introductory course providing studio instruction in drawing. Students will work in graphite, charcoal, pastels and other drawing media. Composition, subject matter, rendering, proportion and perspective are explored. The documentation of work in digital media and development of a portfolio are covered.
**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>INTRODUCTION TO ETHICS</th>
</tr>
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<td>MOTR COURSE NUMBER</td>
<td>MOTR PHIL 102</td>
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<td>KNOWLEDGE AREA</td>
<td>HUMANITIES &amp; FINE ARTS</td>
</tr>
<tr>
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</table>

**MOTR COURSE DESCRIPTION**

An introduction to the philosophical study of morality, including broadly historical, topical, theoretical, and/or applied areas of ethical inquiry. Topics may include challenges to morality (relativism, egoism), moral theoretical foundations (virtue ethics, care ethics, deontological ethics, utilitarianism, pragmatism, particularism, pluralism, and others), social ethics (including race, sexuality, gender, and/or other issues in social justice), and applied areas (e.g., abortion, capital punishment, environmental ethics, healthcare, and so forth). Emphasis may be placed on conceptions of human nature presupposed by various theoretical and applied moral frameworks.

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<th>COURSE DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Intro to Ethics</td>
<td>PHI 0102</td>
<td>3</td>
<td>In this course the student will study the question “What ought to be?” by reviewing the wide range of human conduct that embraces motives, desires, intentions and overt acts. Various ethical theories that explain why people act as they do and what form of life is best will be discussed. Throughout the course the student will be aided in thinking critically about such theories in relation to contemporary issues. A multicultural approach will be taken in the examination of these issues.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Intro to Ethics</td>
<td>PHI 203</td>
<td>3</td>
<td>Nature of moral problems and some alternative methods for their solution. Emphasis will be placed on applications to personal and social issues.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Intro to Ethics</td>
<td>PHI 203H</td>
<td>3</td>
<td>An exploration of Western and non-Western approaches to ethics for Lincoln University honors students. Special emphasis is given to applied ethics and the perspectives of different cultures and ethnicities on important moral issues of our time</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Ethics</td>
<td>PHIL 212</td>
<td>3</td>
<td>Exploration of the problems of value and personal moral standards, comparative survey of major ethical systems and evaluation of the chief ethical struggles in</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri State University</td>
<td>Ethics &amp; Contemp. Issues</td>
<td>PHI 115</td>
<td>3</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Intro to Ethics</td>
<td>PHILOS 1130</td>
<td>3</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Intro to Ethics</td>
<td>PHL 230</td>
<td>3</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>Professional Ethics</td>
<td>PHIL 39275</td>
<td>3</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>Bio-Medical Ethics</td>
<td>PHIL 39-276</td>
<td>3</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Ethical Theory</td>
<td>PL 204</td>
<td>3</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Intro to Ethics</td>
<td>PHRE 188</td>
<td>3</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Ethics</td>
<td>PHIL 2300</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Introduction to Ethics</td>
<td>PHIL 1100</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Contemporary Moral Issues</td>
<td>PHILOS 221</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Approaches to Ethics</td>
<td>PHIL 1130</td>
<td>3</td>
</tr>
</tbody>
</table>

This course examines ethical principles and theories in relation to contemporary moral issues (e.g. euthanasia, capital punishment, economic justice, environmental issues, world hunger). Through a consideration of ideals of justice and human dignity, as well as concepts of rights and responsibilities, it also explores the moral requirements for community and justified political order.

A complex and rich tradition in philosophical thought, Ethics - from the Ancient Greeks up into contemporary thought philosophers - returns again and again to discuss theories in proper behavior.

An introduction to ethical theory focusing on the major traditions of Western philosophical ethics and their practical application to contemporary moral issues.

An examination of the fundamental concepts, principles and major theoretical approaches of ethics used to determine the moral demands of human conduct with applications to ethical questions of contemporary interests. This course focuses on professional ethics.

A normative study of human behavior including an examination of ethical theories and theories of moral development.

Prominent theories of the moral life and selected topics.

A systematic overview of various moral theories and their applications in a variety of specific contexts and cases.

Introduction to different philosophical theories regarding when acts are morally right rather than wrong; when things are good rather than bad; nature of the "good life", nature of ethical reasoning and justification.

This course offers a philosophical examination of ethical issues in contemporary society. Topics for discussion include ethical conflicts arising in business and technology, engineering, healthcare, politics, and the environment. Moral concerns addressed may include reproductive rights and technologies, warfare, capital punishment, pornography, privacy, consumerism, euthanasia, sexuality, and animal welfare.

A study and discussion of representative topics in moral philosophy such as moral skepticism, moral objectivity, theories of obligation and value, evaluation of social institutions and the relation between morality and science. Traditional and contemporary writers will be considered.
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Code</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Crowder College</td>
<td>Ethics</td>
<td>PHIL 202</td>
<td>3</td>
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<tr>
<td>East Central College</td>
<td>Ethics</td>
<td>PHL 2103</td>
<td>3</td>
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<tr>
<td>Jefferson College</td>
<td>Ethics</td>
<td>PHL 202</td>
<td>3</td>
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<tr>
<td>Jefferson College</td>
<td>Ethics</td>
<td>PHL 202H</td>
<td>3</td>
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<tr>
<td>Metropolitan Community College</td>
<td>Ethics</td>
<td>PHIL 203</td>
<td>3</td>
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<tr>
<td>Mineral Area College</td>
<td>Introduction to Ethics</td>
<td>PHI 1420</td>
<td>3</td>
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<tr>
<td>Missouri State University-West Plains</td>
<td>Ethics &amp; Contemp. Issues</td>
<td>PHI 115</td>
<td>3</td>
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<tr>
<td>Moberly Area Community College</td>
<td>Intro to Ethics</td>
<td>PHI 152</td>
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<tr>
<td>North Central Missouri College</td>
<td>Intro to Ethics</td>
<td>PH 101</td>
<td>3</td>
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</tbody>
</table>

PHIL 202 surveys various ethical systems and explores personal moral attitudes and the ethical struggles in modern society. Students successfully completing this course partially fulfill Humanities general education requirements.

A course concerned with moral action—deciding whether acts are good or bad, right or wrong. It begins with a study of why people act the way they do and considers various approaches to moral conduct, as well as different bases for making moral decisions.

Ethics examines theoretical and practical questions of right and wrong. This course includes a survey of major theories of ethics as well as an examination of contemporary ethical issues such as censorship, animal rights, warfare, the death penalty, affirmative action, and economic justice.

Ethics examines theoretical and practical questions of right and wrong. This course includes a survey of major theories of ethics as well as an examination of contemporary ethical issues such as censorship, animal rights, warfare, the death penalty, affirmative action, and economic justice.

This course is designed to introduce the student to the discipline of ethics and the philosophical questions and issues that arise from within it. It will include a historical overview of several traditional theories of ethics and approaches to ethical decision-making, an examination of the role of reason and logic in ethical analysis, and a consideration of some of the many ethical dilemmas and problems which confront our society today.

An historical introduction to ethical theory with emphasis on comparison of contemporary American ethics with classical and modern moral principles. Prerequisite: Must have met one of the following: a minimum score of 18 on the ACT reading or eligible placement test score, or a minimum grade of C in RDG0900, ENG0990, or ENG0090, or have earned 24 college-level semester credit hours.

This course examines ethical principles and theories in relation to contemporary moral issues (e.g. euthanasia, capital punishment, economic justice, environmental issues, world hunger). Through a consideration of ideals of justice and human dignity, as well as concepts of rights and responsibilities, it also explores the moral requirements for community and justified political order.

Students will examine various moral philosophers' attempts to prescribe ethical norms applicable to humanity. This course also focuses on the fundamental principles of moral right and wrong and their applications.

This course examines the major theories of value and moral obligation, and how they illuminate such contemporary issues as abortion, euthanasia, sexual morality, discrimination, medical ethics, privacy, individual freedom, violence and war. Humanities credit.
<table>
<thead>
<tr>
<th>College</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Ozarks Technical Community College</td>
<td>Introduction to Ethics</td>
<td>PHL 105</td>
<td>3</td>
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<tr>
<td>St. Charles Community College</td>
<td>Intro to Ethics</td>
<td>PHL 160</td>
<td>3</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Ethics</td>
<td>PHL 104</td>
<td>3</td>
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<tr>
<td>State Fair Community College</td>
<td>Ethics</td>
<td>PHIL 102</td>
<td>3</td>
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<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
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<tr>
<td>Three Rivers College</td>
<td>Ethics</td>
<td>PHIL 233</td>
<td>3</td>
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</table>

This course is an investigation of the morals and values confronting the individual and society and an examination of the major systems, both traditional and modern, of ethical thought. An analysis of current topics will include the nature of morality and ethics and the criteria for evaluating actions.

Introductory survey of classical and contemporary theories in field of ethics. Questions considered regarding ideal moral life, nature of good and evil, principles for distinguishing right from wrong, and ethical relativism versus objectivism. Discusses selected moral dilemmas of modern living.

This course is an introductory survey of the basic issues and approaches in the field of ethics, with the aim of showing the relevance of philosophical inquiry to contemporary moral concerns. Questions concerning the good life, the nature and content of morality, and the relation of the individual to the standards of society will be considered.

Introductory examination of the foundations of moral discourse and ethical study (that is, how to do ethics and how not to do ethics). Provides a summary introduction to a number of ethical theories. Includes discussion of contemporary moral issues and the ethical theories that shine light on them. Students will develop valuable skills of critical thinking and articulate expression while learning to recognize and more effectively address difficult moral issues that arise in today's society.

Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.

Ethics is an introductory survey of the major philosophers and theories in the field of ethics. Students will, through reading, writing and group discussion, demonstrate how ethical philosophies apply to contemporary ethical situations, evaluate the possible outcomes of different ethical choices, and compose a personal ethical worldview.

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**Missouri Higher Education Core Transfer Curriculum**

**MOTR COURSE NAME**

**INTRODUCTION TO PHILOSOPHY**

**MOTR COURSE NUMBER**

**MOTR PHIL 100**
**KNOWLEDGE AREA**  
**HUMANITIES & FINE ARTS**

<table>
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<tr>
<th>TRANSFER CREDITS</th>
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**MOTR COURSE DESCRIPTION**

An introduction to historical and topical themes in philosophy, such as free will, God, personal identity, the limits of scientific knowledge, the nature of inferential reasoning, social justice, among others. Emphasis is placed on the rational examination of unquestioned presuppositions commonly made about human nature, the self’s relation to others, and the interface of society and the individual brought to light by philosophical inquiry.

This course is currently included in the Missouri Transfer Course Library.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
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<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Introduction to Philosophy</td>
<td>PHIL 0101</td>
<td>3</td>
<td>In this course students will examine some of the major philosophical issues dealt with by both philosophers and authors of literature, and they will be encouraged to think critically about these issues. These issues include: What does it mean to learn? Does the world exist as it appears to us? Do minds exist, and if so, how are they related to bodies? Actions? Is it ever right to break the law? Does God exist? A multicultural approach will be emphasized.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Intro to Philosophy</td>
<td>PHI 102</td>
<td>3</td>
<td>Acquaints the student with some problems and methods of philosophic inquiry.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Intro to Philosophy</td>
<td>PHIL 0201</td>
<td>3</td>
<td>Comparative survey of major types of philosophy and of representative problems in philosophy. Option for satisfying Area F General Education requirement.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introduction to Philosophy</td>
<td>PHI 110</td>
<td>3</td>
<td>This course explores various ways of understanding the human self and its relation to the world. Through a consideration of what can be known, what is worth valuing, what reality is, and how human communities should be composed and regulated, the course deals with central themes that arise from the human quest for deeper self-understanding.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Introduction to Philosophy</td>
<td>PHILOS 1105</td>
<td>3</td>
<td>An historical survey of the major approaches to philosophical problems, especially those of the nature of reality, human nature, and conduct.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introduction to Philosophy</td>
<td>PHL 210</td>
<td>3</td>
<td>Survey of the origins and development of philosophical thought focusing on texts selected from the classical, medieval, modern and contemporary periods.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Introduction to Philosophy</td>
<td>PHIL 39171</td>
<td>3</td>
<td>Basic problems and ideas encountered in the moral and intellectual life of humankind are analyzed in a systematic, rather than an historical, manner. Attention is devoted to the philosophies and theories of knowledge, metaphysics, religion, morals, politics and science.</td>
</tr>
<tr>
<td>University</td>
<td>Reading/Introduction to Philosophy</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
</tr>
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</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Readings in Philosophy</td>
<td>PL 110</td>
<td>3</td>
<td>An exploration of the main issues in philosophy through philosophical and literary readings.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Introduction to Philosophy</td>
<td>PHRE 186</td>
<td>3</td>
<td>Major problems of Western philosophy.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Introduction to Philosophy</td>
<td>PHIL 1000</td>
<td>3</td>
<td>An introductory survey of core philosophical questions and positions in metaphysics, ethics, epistemology, and the theories of the mind.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>General Introduction to Philosophy</td>
<td>PHIL 1000</td>
<td>3</td>
<td>Introduction to traditional philosophical problems and methods of philosophical enquiry. Consideration given to different philosophical theories on the nature of reality, man, nature and God; knowledge and how it is acquired; values and social issues.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Foundations of Philosophy</td>
<td>PHIL 210</td>
<td>3</td>
<td>An introduction to many of the central problems of philosophy. The various dimensions of philosophy are examined as it related to our relationships with each other, our understanding of our world and our understanding of ourselves. Connections between classical philosophers and contemporary issues are explored as philosophy is considered as a deeply personal and also as a social phenomenon.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introduction to Philosophy</td>
<td>PHIL 1150</td>
<td>3</td>
<td>A study and discussion of representative topics in philosophy such as free will and determinism, concepts of mind and body, the basis of value judgments, knowledge and belief, and the possibility of constructing a world view.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Introduction to Western Philosophy</td>
<td>PHIL 101</td>
<td>3</td>
<td>A reading prerequisite is in recognition that good reading skills are necessary for this course. The course introduces students to the philosophical questions posed by western thinkers and the impact of these ideas on the wider culture and history, and will include readings taken from ancient Greeks to modern philosophers. The course partially fulfills requirements for humanities general education.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Introduction to Philosophy</td>
<td>PHL 1003</td>
<td>3</td>
<td>A course which introduces the student to some of the major areas of philosophic knowledge, and inquiry concerning human experiences and the nature of ultimate reality, with special attention given to the teachings of the great philosophers.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Introduction to Philosophy</td>
<td>PHL 102</td>
<td>3</td>
<td>Introduction to Philosophy is a historical survey of major Western thinkers beginning with the Ancient Greeks. This course looks at timeless questions concerning truth, beauty, reality, justice, logic, ethics, and the existence of God.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors Introduction to Philosophy</td>
<td>PHL 102H</td>
<td>3</td>
<td>Introduction to Philosophy is a historical survey of major Western thinkers beginning with the Ancient Greeks. This course looks at timeless questions concerning truth, beauty, reality, justice, logic, ethics, and the existence of God.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Introduction to Philosophy</td>
<td>PHIL 100</td>
<td>3</td>
<td>This course will introduce students to the fundamental questions of human existence including the foundation of knowledge, the nature of ethical, religious, and social values and meaning, conceptions of being, and human freedom. Consideration will be given to the application of philosophical methods to</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code/Number</td>
<td>Credits</td>
<td>Description</td>
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<tr>
<td>Mineral Area College</td>
<td>Introduction to Philosophy</td>
<td>PHI 1400</td>
<td>3</td>
<td>Introduces students to some of the great philosophers. Thoughts on the meaning of life, limits of knowledge and basis for individual liberty are explored. Introduction to Philosophy.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Introduction to Philosophy</td>
<td>PHI 110</td>
<td>3</td>
<td>This course explores various ways of understanding the human self and its relation to the world. Through a consideration of what can be known, what is worth valuing, what reality is, and how human communities should be composed and regulated, the course deals with central themes that arise from the human quest for deeper self-understanding.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Introduction to Philosophy</td>
<td>PHI 150</td>
<td>3</td>
<td>This course will familiarize the student with the major categories of classic, Western philosophical tradition, ranging from antiquity to the modern era. Students will explore the positions of major philosophical thinkers as they comment on the categories under discussion. Interpretation and communication of the philosophical works of each writer are analyzed.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Intro to Philosophy</td>
<td>PH 102</td>
<td>3</td>
<td>This study of philosophy will expose the student to critical thinking and help in the understanding of such fundamental questions as these: How do we know? (Epistemology); what is real? (Metaphysics); and what is of value? (Axiology). Readings from the major philosophers are included.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Introduction to Philosophy</td>
<td>PHL 101</td>
<td>3</td>
<td>This course examines the some of the questions and arguments which have influenced the western tradition of philosophical inquiry. Among the areas of philosophy we will explore are epistemology (What can I know?), metaphysics (What is real?), ethics (What makes a right action right?), philosophy of religion, and social and political philosophy.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Philosophy</td>
<td>PHL 101</td>
<td>3</td>
<td>Introduction to philosophical inquiry and historically important philosophical ideas discussed by classical and/or modern philosophers. Topics may include the nature of love, the foundation of ethical action, the nature and limits of knowledge, the essence of truth, and the meaning of technology in contemporary culture.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introduction to Philosophy</td>
<td>PHL 101</td>
<td>3</td>
<td>This course is an introduction to philosophical inquiry through a study of such perennial problems as the nature of truth and the possibility of knowledge, the mind-body relation, the nature and basis of morality, the nature and possibility of free will and the nature and existence of God. The course incorporates both classical and contemporary readings.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Introduction to Philosophy</td>
<td>PHIL 101</td>
<td>3</td>
<td>Introduction to the history, persons and perspectives related to the theory of the nature, methods and limits of knowledge. Students will be challenged to deal with concepts such as reality, truth, ethics, reason, and metaphysics.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No Course</td>
<td></td>
<td></td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
| Three Rivers College | Introduction to Philosophy | PHIL 200 | 3 | Introduction to Philosophy provides an introduction to the basic concepts of metaphysics, knowledge, ethics and politics based on selections from written works of notable philosophers. Students will apply philosophical principles in a personal worldview and will debate a variety of philosophical ideas and viewpoints. |

### Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>MUSIC APPRECIATION</th>
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<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR MUSC 100</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>HUMANITIES &amp; FINE ARTS</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>This course is a study of how music creatively expresses self-understanding, cultural environment, and aesthetic values from ancient to modern times. An emphasis on the basic elements of music and the historical and stylistic periods, illustrated by examples from different genres, instrumental and vocal ensembles, and solo literature for voice and instruments. This course is currently included in the Missouri Transfer Course Library.</td>
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<tr>
<th>INSTITUTION</th>
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<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Music Appreciation</td>
<td>MUS 0206</td>
<td>3</td>
<td>UNDER REVIEW BY FACULTY DISCIPLINE GROUP</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>The World of Music</td>
<td>MUS 200</td>
<td>3</td>
<td>The study of music from around the world, including European classical music of selected eras. Selected readings and listening to live and recorded music are required.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Music Appreciation</td>
<td>MUS 0110</td>
<td>3</td>
<td>A survey of masterpieces of Western musical literature.</td>
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<td>Institution</td>
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<tr>
<td>Missouri State University</td>
<td>The Language of Music</td>
<td>MUS 241</td>
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<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Music Understanding &amp; Appreciation</td>
<td>MUSIC 1150</td>
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<tr>
<td>Missouri Western State University</td>
<td>Perspectives in Music</td>
<td>MUS 101</td>
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<tr>
<td>Northwest Missouri State University</td>
<td>The Enjoyment of Music</td>
<td>MUS 19-201</td>
<td>3</td>
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<tr>
<td>Southeast Missouri State University</td>
<td>Music: An Artistic Expression</td>
<td>MU 182</td>
<td>3</td>
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<tr>
<td>Truman State University</td>
<td>Perspectives in Art Music, &amp; Western Thought</td>
<td>MUSI 204</td>
<td>3</td>
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<tr>
<td>University of Central Missouri</td>
<td>Experiencing Music</td>
<td>MUS 1210</td>
<td>3</td>
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<tr>
<td>University of Missouri-Columbia</td>
<td>Masterpieces of Western Music</td>
<td>Music NM 1310</td>
<td>3</td>
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<tr>
<td>University of Missouri-Kansas City</td>
<td>Music Appreciation</td>
<td>CONSVTY 120</td>
<td>3</td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>Intro to Music</td>
<td>MHLT 1001</td>
<td>3</td>
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<tr>
<td>Crowder College</td>
<td>Music Appreciation</td>
<td>MUSC 101</td>
<td>3</td>
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</tr>
<tr>
<td>East Central College</td>
<td>Music Appreciation</td>
<td>MU 1603</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

A study of the ways music creatively expresses self-understanding, cultural environment, and aesthetic values from ancient to modern times.

A study of the development of music with emphasis on understanding music forms and the role music has played in the various historical periods.

Music materials, forms, historical-social development of composers and compositions. Various themes may be pursued. May not be repeated for credit.

A general studies course designed to provide the student a better understanding and appreciation of the varied styles of music.

An examination of music as artistic expression and an analysis of the role music has played in the human experience.

This course examines the phenomenon of music by considering aesthetic theory in relationship to musical perception and by developing skills in aural analysis of musical structures and styles. Although the classical canon of art music is the central focus of this course, a wide variety of musical styles and genres— including music of non-Western cultures— is often drawn upon as points of reference. Issues of aesthetic sensitivity, personal experience, understanding of social context, and recognition of a variety of cultural/historical references are also components of this course.

An introduction to important musical masterpieces with emphasis on the knowledge and skills involved in perceptive listening.

Introduction to the Western fine-art tradition through the study of representative masterworks, emphasis on developing listening skills; directed to non-majors.

Designed for the general University student with little or no music background and required for Dance Majors (no credit for music majors). An emphasis on the basic elements of music and the historical and stylistic periods, illustrated by examples from different genre, such as instrumental and vocal ensembles, large and small, solo literature for voice and instruments, and dance. Three class sessions a week with frequent live performance and guest speakers.

An historically oriented study of art music, its styles and forms from the Baroque period to the present day.

This survey of the development of music from the Middle Ages to the present includes an examination of the cultural forces which shaped the musical expressions of each era. The course is designed to provide the students with the musical vocabulary and listening techniques for a meaningful and enriching understanding and appreciation of music literature.

A historical survey of the development of music, intended to provide a background for the understanding and application of music.
<table>
<thead>
<tr>
<th>School</th>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jefferson College</td>
<td>Music Appreciation</td>
<td>MSC 131</td>
<td>3</td>
<td>Prerequisite: Reading proficiency. Music Appreciation is a study of selected composers and representative examples of their music from the medieval period to the present with emphasis on active listening to enable understanding, appreciation, and discussion of music.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Music Appreciation</td>
<td>MUSI 108</td>
<td>3</td>
<td>3 credits. 3 hours. (Lecture 3 HOURS.) This course will introduce the student to the aesthetics of music through the study of musical eras including the Middle Ages through 20th century and music genres through vocal and instrumental mediums.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Appreciation of Music</td>
<td>MSC 1801</td>
<td>3</td>
<td>Appreciation of Music Examines the nature of music as well as the development of Western music from the Middle Ages until the present time. This study provides the basis for the understanding and appreciation of music.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>The Language of Music</td>
<td>MUS 241</td>
<td>3</td>
<td>A study of the ways music creatively expresses self-understanding, cultural environment, and aesthetic values from ancient to modern times.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Music Appreciation</td>
<td>MUS 102</td>
<td>3</td>
<td>This course is an introduction to music, emphasizing the various phases of musical beauty, designed to furnish a rational basis for intelligent listening to music. Focus is on basic elements of music and listening techniques; representational Renaissance, Classicism, Romanticist, and Post-Romanticist composers and their music; and discussion of extra-musical factors that bear upon lives and works.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Music Appreciation</td>
<td>MU 109</td>
<td>3</td>
<td>An introductory course concerned with the elements of music, the important musical masterpieces and the significant composers up to the present age. A portion of the class time is devoted to listening to recordings.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Western Music Appreciation</td>
<td>MUS 105</td>
<td>3</td>
<td>Western Music Appreciation explores the development of music from the Medieval Period to the present. Through this class students gain skills to listen and understand different types of classical music. The elements of music, music history and the relation of music and culture are explored through recorded and live performances of music.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Music Appreciation</td>
<td>MUS 111</td>
<td>3</td>
<td>Introductory course for non-music majors. Presents main elements of music, how they develop and change throughout history, and the role of music in society. Emphasis on understanding musical elements and aural applications. Attendance required at live performances.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Music Appreciation</td>
<td>MUS 114</td>
<td>3</td>
<td>This class is a survey of various aspects of music including the philosophy, science, theory, anthropology, sociology, history, and physical act of producing music. A wide variety of musical styles and associative composers will be used to explore these aspects of music.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Music Appreciation</td>
<td>MUS 101</td>
<td>3</td>
<td>Overview providing knowledge of the basic elements of music, the important musical masterpieces of various eras and the significant composers in musical history. A portion of the course time is devoted to listening to recordings and viewing supporting video footage of selected composers and performers.</td>
</tr>
</tbody>
</table>
Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.

An introductory course designed to enhance the ability to appreciate Western art music. This course will include basic elements of music and artistic characteristics of composers as well as listening to musical selections in order to identify composers and relevant historical trends. Students will assess the cultural and musical content of an approved live musical performance.

Missouri Higher Education Core Transfer Curriculum

<table>
<thead>
<tr>
<th>MOTR COURSE NAME</th>
<th>SPANISH I</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR COURSE NUMBER</td>
<td>MOTR LANG 103</td>
</tr>
<tr>
<td>KNOWLEDGE AREA</td>
<td>HUMANITIES &amp; FINE ARTS</td>
</tr>
<tr>
<td>TRANSFER CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>MOTR COURSE DESCRIPTION</td>
<td>An introduction to the Spanish language, this course teaches the four communication skills – listening, speaking, reading, and writing – through materials featuring Hispanic cultures. This course is currently included in the Missouri Transfer Course Library.</td>
</tr>
</tbody>
</table>

This course is designed for students with no previous knowledge of Spanish. Students will develop communicative skills in Spanish, including listening, speaking, reading, and writing. They will also have an introduction to Spanish-Latin American culture through discussion of readings and visual media.

Students will develop skills in the five areas of second language acquisition: speaking, listening, writing, reading, and cultural awareness.

UNDER REVIEW BY FACULTY DISCIPLINE GROUP Introductory course that will familiarize students with the basic elements of
<table>
<thead>
<tr>
<th>University</th>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri Southern State University</td>
<td>Beginning Spanish I</td>
<td>SPAN 0101</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Elementary Spanish I</td>
<td>SPN 101</td>
<td>3</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Elementary Spanish I</td>
<td>SPANISH 1101</td>
<td>4</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Elementary Spanish I</td>
<td>SPA 100</td>
<td>3</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Spanish: Communication &amp; Culture I</td>
<td>LANG 14141</td>
<td>3</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Spanish Language and Culture I</td>
<td>SN 100</td>
<td>3</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Elementary Spanish I</td>
<td>SPAN 101</td>
<td>3</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Elementary Spanish I</td>
<td>SPAN 1601</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Elementary Spanish I</td>
<td>SPAN 1100</td>
<td>4</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Elementary Spanish I</td>
<td>SPANISH 110</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Spanish Language and Culture I</td>
<td>SPAN 1001</td>
<td>5</td>
</tr>
</tbody>
</table>

The primary goal of SPN 101 is to help students develop proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language.
<table>
<thead>
<tr>
<th>College</th>
<th>Course Level</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crowder College</td>
<td>Beginning Spanish I</td>
<td>SPAN 101</td>
<td>3</td>
<td>This is a multimedia course that combines video, audio, interactive software, and print to teach Spanish language and culture. It immerses the student in current, living Spanish in everyday situations, spoken by natives. Its focus is on communication proficiency.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Elementary Spanish I</td>
<td>SP 1104</td>
<td>4</td>
<td>An introduction to the essential grammatical structures, vocabulary and pronunciation of Spanish. Emphasis upon the development of pivotal skills: listening comprehension, speaking, reading and writing. Acquisition of cultural awareness. Course conducted in Spanish as far as practicable.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Beginning Spanish</td>
<td>SPN 101</td>
<td>5</td>
<td>Beginning Spanish students develop fundamental Spanish oral and written skills. Labs are conducted online.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Elementary Spanish I</td>
<td>SPAN 101</td>
<td>5</td>
<td>An introduction to Spanish. Develop basic communication skills (listening, reading, writing, and speaking). Study of the culture of Spanish-speaking countries.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Elementary Spanish I</td>
<td>MFL 1370</td>
<td>3</td>
<td>Elementary Spanish I Prerequisite: An introduction to the Spanish language and to the Hispanic culture. Students will practice all four language skills, with special emphasis on conversation.</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Elementary Spanish</td>
<td>SPN 101</td>
<td>3</td>
<td>CBE. The primary goal of SPN 101 is to help students develop proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language. International/Intercultural component.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Elementary Spanish</td>
<td>FLN 101</td>
<td>5</td>
<td>This course is an introduction to the Spanish language and will include pronunciation, vocabulary, grammar, and culture. Focus will be on learning to speak, understand, read, and write in Spanish.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Elementary Spanish I</td>
<td>FL 100</td>
<td>3</td>
<td>An introductory course in Spanish stressing conversation, basic structural patterns of the language and comprehension of grammatical concepts. Initiates awareness of Hispanic cultures along with the ability to understand simple conversation in Spanish and to communicate basic needs and activities.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Beginning Spanish I</td>
<td>SPN 101</td>
<td>3</td>
<td>This course covers the essentials of pronunciation, verb construction, vocabulary, and speech patterns through aural-oral practice. This course serves as introduction to Spanish speaking cultures. Class will be conducted in Spanish to the extent that is practical.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Spanish Language and Culture I</td>
<td>SPN 101</td>
<td>4</td>
<td>Beginning Spanish course that presents basic language skills of speaking, listening comprehension, reading and writing, with emphasis on effective linguistic functioning in real situations. Opportunity provided for audio-lingual practice outside of class.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Elementary Spanish I</td>
<td>SPA 101</td>
<td>4</td>
<td>This course is a beginning course that presents the basic sentence structure and vocabulary necessary to participate in elementary Spanish conversations.</td>
</tr>
</tbody>
</table>
Students also begin reading short Spanish passages.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Fair Community College</td>
<td>Elementary Spanish I</td>
<td>SPAN 101</td>
<td>3</td>
<td>Begins the four basic skills of language communication: listening, speaking, reading, and writing. Includes an introduction to the Spanish culture. Concentrates on the present indicative tense with the course conducted primarily in Spanish.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No Equivalent Course</td>
<td>N/A</td>
<td></td>
<td>TRANSFER CREDIT ALLOTMENT UNDER DISCUSSION</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Elementary Spanish I</td>
<td>SPAN 101</td>
<td>3</td>
<td>This is an introductory course in the Spanish language. Students learn beginning vocabulary and develop basic listening, speaking, reading and writing skills in the present and future tenses in Spanish. Students are given the opportunity to actively communicate in Spanish as much as possible. They also gain knowledge about Spanish-speaking countries and culture.</td>
</tr>
</tbody>
</table>

**Missouri Higher Education Core Transfer Curriculum**

**MOTR COURSE NAME**: SPANISH II  
**MOTR COURSE NUMBER**: MOTR LANG 104  
**KNOWLEDGE AREA**: HUMANITIES & FINE ARTS  
**TRANSFER CREDITS**: TO BE DETERMINED

**MOTR COURSE DESCRIPTION**: Continued study of Spanish language and culture. This course is currently included in the Missouri Transfer Course Library.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Name</th>
<th>Course Number</th>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Essentials of Spanish Language &amp; Culture</td>
<td>SPAN 0160 II</td>
<td>3</td>
<td>This course in the Spanish language program focuses on more advanced language skills to stress further rapid acquisition of spoken Spanish, listening</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Lincoln University</td>
<td>Spanish II</td>
<td>SPA 205</td>
<td>5</td>
<td>Students will use previously acquired skills to achieve basic communicative exchanges. Upon completion of this course, students will be able to communicate successfully in interactive, task-orientated and social situations.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Beginning Spanish II</td>
<td>SPAN 0102</td>
<td>3</td>
<td>This course is the second semester of Spanish language instruction. The course continues to develop skills in listening, speaking, reading, and writing, and expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: SPAN 0101 or equivalent level of proficiency.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Elementary Spanish II</td>
<td>SPN 102</td>
<td>3</td>
<td>The primary goal of SPN 102 is to help students develop additional proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential to effective communication in the target language. International/ Intercultural component.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Elementary Spanish II</td>
<td>SPANISH 1102</td>
<td>4</td>
<td>Continuation of Spanish 1101.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Elementary Spanish II</td>
<td>SPA 101</td>
<td>3</td>
<td>Continued study of Spanish language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Spanish: Communication &amp; Culture II</td>
<td>LANG 14-142</td>
<td>3</td>
<td>Develops comprehension and communication skills, including the ability to discuss opinions and past events, and introduces students to various countries in Spanish America.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Spanish Language and Culture II</td>
<td>SN 120</td>
<td>3</td>
<td>Continued study of Spanish speaking peoples through the practice of speaking, understanding, reading, and writing Spanish.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Elementary Spanish II</td>
<td>SPAN 102</td>
<td>3</td>
<td>The basic elements of the Spanish language are examined further and practiced, as in Elementary Spanish I. The skills of speaking, listening, reading and writing are further developed. Three classroom hours per week plus one peer learning session are required.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Elementary Spanish II</td>
<td>SPAN 1602</td>
<td>3</td>
<td>A continuation of Spanish I, with increased attention to grammar.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Elementary Spanish II</td>
<td>SPAN 1200</td>
<td>4</td>
<td>The second course of the beginning sequence in the continuation of SPAN 1100. It places equal emphasis on the four skills; listening, speaking, reading, and writing.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Elementary Spanish II</td>
<td>SPANISH 120</td>
<td>3</td>
<td>Continuation of SPANISH 110.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td></td>
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<tr>
<td>University of Missouri-St. Louis</td>
<td>Spanish Language and Culture II</td>
<td>SPANISH 1002</td>
<td>5</td>
<td></td>
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<tr>
<td></td>
<td>This second Spanish course is designed to continue the development of communicative proficiency through an integrated approach to the teaching of all four language skills - listening and understanding, reading, writing, and speaking. It encourages development of communicative proficiency through an interactive task-based approach, provides students with an active and rewarding learning experience as they strengthen their language skills and cultural competency, and fosters awareness of the Spanish-speaking world through authentic cultural materials and information.</td>
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</tr>
<tr>
<td>Crowder College</td>
<td>Beginning Spanish II</td>
<td>SPAN 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course continues the study of Spanish language and culture. It immerses the student in current, living Spanish in everyday situations. Its focus is on communication proficiency.</td>
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</tr>
<tr>
<td>East Central College</td>
<td>Elementary Spanish II</td>
<td>SP 1204</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A continuation of SP 1104 that completes the introduction to essential structures and further develops pivotal communication skills. Course conducted in Spanish as far as practicable.</td>
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</tr>
<tr>
<td>Jefferson College</td>
<td>Intermediate Spanish</td>
<td>SPN 102</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisites: SPN101 or equivalent skills, and reading proficiency Intermediate Spanish students learn how to express themselves and communicate more effectively in Spanish. Labs are conducted online.</td>
<td></td>
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</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Elementary Spanish II</td>
<td>SPAN 102</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Study of the culture of Spanish-speaking countries.</td>
<td></td>
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<tr>
<td>Mineral Area College</td>
<td>Elementary Spanish II</td>
<td>MFL 1470</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>By the end of the second semester, all major language structures will have been introduced.</td>
<td></td>
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</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Elementary Spanish II</td>
<td>SPN 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The primary goal of SPN 102 is to help students develop additional proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential to effective communication in the target language. International/ Intercultural component.</td>
<td></td>
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</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Intermediate Spanish</td>
<td>FLN 102</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course is a continuation of Elementary Spanish.</td>
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</tr>
<tr>
<td>North Central Missouri College</td>
<td>Elementary Spanish II</td>
<td>FL 101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation, grammar and reading are stressed. Oral practice and repetition are used as an aid to pronunciation.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Beginning Spanish II</td>
<td>SPN 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course is a continuation of Beginning Spanish I. Pronunciation, verb construction, vocabulary and speech patterns will be emphasized. This course serves as introduction to Spanish-speaking cultures. Class will be conducted entirely in Spanish.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Spanish Language and Culture II</td>
<td>SPN 102</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Continuation of Spanish 101.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Elementary Spanish II</td>
<td>SPA 102</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>In this continuation of SPA 101, students continue their study of the basic elements of Spanish grammar, increase their vocabulary and enhance their ability to read and communicate in Spanish. Students enhance their global and</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Intercultural Competency

- **State Fair Community College**
  - **Elementary Spanish II**
  - **SPAN 102**
  - **3 credits**
  - Concentrates on the preterit and imperfect tenses and reflexive constructions for students to further enhance their ability to listen, speak, read, and write. Course is conducted primarily in Spanish.

- **State Technical College of Missouri**
  - **No Equivalent Course**
  - **TRANSFER CREDIT ALLOTMENT UNDER DISCUSSION**

- **Three Rivers College**
  - **Elementary Spanish II**
  - **SPAN 102**
  - **3 credits**
  - Students learn more common vocabulary and continue to develop listening, speaking, reading and writing skills in the present, future and past tenses in Spanish. In-class exposure to Spanish is increased and opportunities to communicate in Spanish are more extensive. They obtain further knowledge of Hispanic cultures as well.

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### Missouri Higher Education Core Transfer Curriculum

#### MOTR COURSE NAME
- THEATRE APPRECIATION

#### MOTR COURSE NUMBER
- MOTR THEA 100A

#### TRANSFER CREDITS
- **3**

#### MOTR COURSE DESCRIPTION
- An introduction to various aspects of theatre including theatre history, its role in society, and the collaborative roles and contributions of theatre artists including actors, directors, designers and critics.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>Theater Appreciation</td>
<td>THR 0100</td>
<td><strong>3</strong></td>
<td>This course introduces the student to the literary aspects of drama, theater history and the fundamental processes with an emphasis on contemporary American theater.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Introduction to the Theatre</td>
<td>SPT 209</td>
<td><strong>3</strong></td>
<td>A survey course in the history, literature, criticism, and arts of the theatre.</td>
</tr>
</tbody>
</table>

*Updated February 28, 2018*
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri Southern State University</td>
<td>Theatre Appreciation</td>
<td>TH 110</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introduction to Theatre and Drama Arts</td>
<td>THE 101</td>
<td>3</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Theatre via Video</td>
<td>Theatre 1190</td>
<td>3</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Introduction to Theatre</td>
<td>THR 113</td>
<td>3</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Theatre Appreciation</td>
<td>THE 43-101</td>
<td>3</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>Theatre Appreciation</td>
<td>TH 100</td>
<td>3</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Introduction to the Theatre Arts</td>
<td>THEA 275</td>
<td>3</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Discovering Theatre GE</td>
<td>THEA 2400</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>The Theatre in Society</td>
<td>THEATR 1100</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Foundations of Fine Arts Theatre</td>
<td>THEATRE 130</td>
<td>3</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Introduction to Theatre</td>
<td>THEATR 1800</td>
<td>3</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Introduction to Theatre</td>
<td>TA 205</td>
<td>3</td>
</tr>
</tbody>
</table>

Introduction to theatre as a communicative and fine art emphasizing collaborative efforts of playwright, artistic director, designer, actor, and crew. Activities include the interpretation and evaluation of plays through scripts, live, and recorded performances.

The creative processes of transforming drama to stage, film and television. A study of the collaborations and contributions that the various artists make to the process. Intended to increase the audience's ability to think critically about the artistic experience.

Provides knowledge and internal understanding of theatre. After watching plays on video through online resources on the student's own time and live productions, students will meet as a class weekly to discuss.

The contributions made by directors, actors, designers, technicians, and playwrights to modern dramatic productions.

An introductory course surveying the aesthetic process by which plays are translated into theatrical terms and projected from a stage to an audience, including play analysis, acting, directing, scene design, costume, makeup and stage lighting.

Promotes an appreciation for and an understanding of theatre in contemporary society. Emphasizes the script, artist, audience interaction.

A general introduction to the art of theatre, surveying basic categories and structures of dramatic literature and theatre history as met by principles and problems of theatre production.

An introductory examination of theatre and theatrical production, the work of the individual theatre artists involved in the process, and a survey of the drama and developments of major theatrical periods in theatre history.

Examines the form and meaning of theatre in civilizations of the West from the ancient Greeks to modern times.

An introduction to theatre arts and a general orientation to the creative and technical aspects of live performance. Includes historical overview, analysis of the components of a play, and observation of and critical reaction to theatrical productions. Frequent guest speakers.

A study of Theatre as an art form, emphasizing the audience's appreciation of the art of the playwright, actor, director, designers, and technicians. Major periods, genres, and dramatic forms from classical to modern to the avant-garde as well as performance art will be covered. Students will attend performances and learn about how theatre functions as an art and an industry in today's world.

Theatre organization, stage technique and representative plays from Greek to modern drama are introduced. Emphasis is placed on the theatre as a living art form.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Central College</td>
<td>Theatre Appreciation</td>
<td>THE 101</td>
<td>3</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Theatre Appreciation</td>
<td>THT100</td>
<td>3</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Honors Theatre Appreciation</td>
<td>THT 100H</td>
<td>3</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Theatre Appreciation</td>
<td>THEA 106</td>
<td>3</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Introduction to Theatre</td>
<td>THE 1000</td>
<td>3</td>
</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Introduction to Theatre and Drama Arts</td>
<td>THE 101</td>
<td>3</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Theater Appreciation</td>
<td>DRM 120</td>
<td>3</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Introduction to Theatre</td>
<td>TH 111</td>
<td>3</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Introduction to Theater</td>
<td>THR-101</td>
<td>3</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Introduction to Theater</td>
<td>THE 122</td>
<td>3</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Introduction to Theatre</td>
<td>THT:101</td>
<td>3</td>
</tr>
</tbody>
</table>

An appreciation course designed to give an introduction to contemporary theatre literature and design. This class will expose the student to the theatre experience through the reading and discussion of various scripts, viewing of productions and the design and creation of theatrical projects.

Theatre Appreciation exposes the student to virtually all aspects of theatre, including theatre history, acting, directing, stagecraft, and play analysis. The course focuses on the global development of theatre, including Greek, Roman, Eastern and Western European, and Asian theatre.

Theatre Appreciation exposes the student to virtually all aspects of theatre, including theatre history, acting, directing, stagecraft, and play analysis. The course focuses on the global development of theatre, including Greek, Roman, Eastern and Western European, and Asian theatre.

Theater Appreciation is an overview of theater from the playgoer's perspective. The course will include a discussion of theater as a composite art form, investigate theater practices that relate to audiences, and examine the function of the playwright, actor, director, designer, and others in relationship to the creation of a theatrical production.

A comprehensive introduction to the art of theater examining the roles and contributions of theater artists including the actor, the director, the designers, the playwright and the critic. Students will develop projects in these areas and attend theatre productions.

The creative processes of transforming drama to stage, film and television. A study of the collaborations and contributions that the various artists make to the process. Intended to increase the audience's ability to think critically about the artistic experience.

Students are introduced to all aspects of the art of theater from theatrical production to theater history and literature.

A study of the interrelated roles contributing to the creation of a play: playwright, actor, director, designers and technicians. Examination of the history of theatre is a major component of the course.

This interactive course is a study of the collaboration and contributions that various theatre artists make to the process of transforming drama to the stage. Combining lecture, creative projects, and reflection on live theatre events, students will develop their ability to think critically about the artistic experience.

Emphasizes appreciation of theater as one of living arts. Surveys theater history and dramatic theory from Greeks to present Broadway. Includes lectures, films and discussions on the practitioners and work.

Introduction to Theatre is designed to enhance the enjoyment and appreciation of theatre. Students study theatre as a collaborative art form by examining the roles and functions of playwrights, actors, directors, and designers in both
**State Fair Community College**

**Introduction to Theatre**

**THEA 107**

3

Introductory hands-on course where students examine the major contributors to the theatrical event: the director, actor, scene designer, and lighting designer.

**State Technical College of Missouri**

**Introduction to Theatre**

**COM 290**

3

This course offers an introduction to the theatrical productions and performance. Topics will include acting, directing, and critique of a live performance. The course will also introduce basic terminology, history, script analysis, and technical aspects of theater.

**Three Rivers College**

**History and Appreciation of Theater**

**THEA 120**

3

This course examines the development of theatre and its cultural significance throughout history. The course study includes the artistic and technical elements of theatre, significant movements in the history of theatre, different styles and genres of plays, and theatre criticism.

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**Missouri Higher Education Core Transfer Curriculum**

**MOTR COURSE NAME**

**WESTERN CIVILIZATION I**

**MOTR COURSE NUMBER**

**MOTR WCIV 101**

**TRANSFER CREDITS**

3

Survey of the development and progress of western civilization from its origins through the Renaissance and Reformation (c. 1600) with emphasis on changes in political structures, religious institutions, social systems, artistic expression, war and diplomacy, global interactions, and daily life.

**INSTITUTION**

**COURSE NAME**

**COURSE NUMBER**

**TRANSFER CREDITS**

**COURSE DESCRIPTION**

Harris-Stowe State University

No equivalent course

N/A

3

Students transferring to this institution will receive three (3) credits in the Humanities & Fine Arts knowledge area.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lincoln University</td>
<td>World Civilization I</td>
<td>HIS 101</td>
<td>3</td>
<td>Survey of major Western and non-Western civilizations from earliest times to 1650.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Honors World Civilization I</td>
<td>HIS 151H</td>
<td>3</td>
<td>Survey of major Western and non-Western civilizations from earliest times to 1650.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Western Civilization to 1660</td>
<td>HIST 0130</td>
<td>3</td>
<td>Survey of the development and progress of western civilization from its origins through the Reformation. Changes in political organization, religion, artistic expression, and daily life in the ancient Near East, Greece, Rome, and Christian Europe.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Early Western Civilization</td>
<td>HISTORY 1100</td>
<td>3</td>
<td>Growth and development of ideas and institutions of western culture from prehistoric man to the voyages of discovery.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Ancient and Medieval Civilization</td>
<td>HIS 200</td>
<td>3</td>
<td>The western world from antiquity to the fifteenth century; the emergence of civilization in the Nile and Tigris-Euphrates valleys; the political, social, economic, and intellectual contributions of Greece, Rome, and medieval Europe.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Western Civilization I: The Ancient World to 1500</td>
<td>HUM 26-102</td>
<td>3</td>
<td>An introduction to the development of Western Culture from the Ancient World through the Renaissance.</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>Early European Civilization</td>
<td>EH 101</td>
<td>3</td>
<td>An introduction to the development of Western Culture from 1500 to the present.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Foundation of Western Civilization</td>
<td>HIST 1500</td>
<td>3</td>
<td>Development of characteristic ideas and institutions of Western cultural tradition, from origin of civilization in ancient Near East to beginning of rapid social, political, intellectual transformation of Europe in the 18th century.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>European History to 1600</td>
<td>History 206</td>
<td>3</td>
<td>This course surveys the cultural, social, economic, and political history of the world to 1450. It studies the development of civilizations in isolation as well as the origins, nature, and consequences of global forms of interaction and exchange.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Topics in European Civilization: Emergence of Western Europe to 1715</td>
<td>HIST 1031</td>
<td>3</td>
<td>Lectures and discussions on the development of western European society and tradition from approximately 1000 to 1715.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>Crowder College</td>
<td>Western Civilization I</td>
<td>HIST 101</td>
<td>3</td>
<td>In this history of Western Civilization from ancient times to the end of the Renaissance/Reformation era, the culture and institutional developments of the early civilizations and classical Europe are stressed. HIST 101 partially fulfills the Social and Behavioral Science or Humanities general education requirement, but not both simultaneously.</td>
</tr>
<tr>
<td>East Central College</td>
<td>European Civilization I</td>
<td>CV 2103</td>
<td>3</td>
<td>Europe to 1500. An interdisciplinary study of the development of Western culture from prehistoric man through the Protestant Reformation, with special emphasis on social, economic, intellectual, religious, and political institutions.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Ancient and Medieval Civilization</td>
<td>HST 201</td>
<td>3</td>
<td>Beginning with Prehistory and continuing through the Ancient Middle East, this course concludes with the beginnings of the early modern world. Prerequisite: Reading proficiency Ancient and Medieval Civilization is a general introduction to the political, social, economic, and cultural history of western civilization.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Foundations of Western Civilization</td>
<td>HIST 133</td>
<td>3</td>
<td>Survey of Western Civilization through the classical civilizations of Greece and Rome, the Middle Ages to the Renaissance. Brief comparative summaries of Near Eastern and Oriental civilizations. This course will satisfy either Humanities or Social Science AA degree requirements.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Western Civilization I</td>
<td>HIS 1130</td>
<td>3</td>
<td>A study of the evolution of Western Civilization from the development of the earliest civilizations to the Age of Absolutism. Meets cultural diversity requirement.</td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Western Civilization I</td>
<td>HST 101</td>
<td>3</td>
<td>This introductory course acquaints students with Western heritage, beginning with a study of the early Middle Eastern civilizations of Mesopotamia and progressing through the civilizations of Egypt, Greece, Rome, and Europe of the Middle Ages, Renaissance, and Reformation. The political, economic, social, cultural, and religious aspects of each of these cultures are examined.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Western Civilization to 1700</td>
<td>HI 101</td>
<td>3</td>
<td>This course is a survey of the social, intellectual, religious, political and economic institutions and traditions developed by groups of people who first lived around the Mediterranean Sea and branched out into Europe and the Western Hemisphere. The time span of the course is from prehistory to approximately 1715.</td>
</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>Western Civilization, Ancient and Medieval History</td>
<td>HIS 145</td>
<td>3</td>
<td>Introduction to ancient civilizations of Eastern Mediterranean, classical civilizations of Greece, Rome, and Western European society up to the Renaissance.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Ancient and Medieval History to 1500</td>
<td>HST 128</td>
<td>3</td>
<td>This course is a survey of the Western World with comparisons to non-Western civilizations and cultures from antiquity through the late middle ages. The course aspect of each of these cultures are examined.</td>
</tr>
</tbody>
</table>
Survey of the development and progress of western civilization from the Renaissance and Reformation (c. 1600) through the 20th century with emphasis on changes in political structures, religious institutions, social systems, artistic expression, war and diplomacy, global interactions, and daily life.

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>World Civilization II</td>
<td>HIS 102</td>
<td>3</td>
<td>Survey of major Western and non-Western civilizations from 1650 to present.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Honors World Civilization II</td>
<td>HIS 152H</td>
<td>3</td>
<td>Survey of major Western and non-Western civilizations from 1650 to present.</td>
</tr>
<tr>
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<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Western Civilization since 1660</td>
<td>HIST 0140</td>
<td>3</td>
<td>Survey of Western societies from the Baroque Era to the retreat of European colonialism. Major emphasis on development of the nation-state, the impact of industrialization, changes in political and religious outlook, the impact of revolutions, and two world wars.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Modern Western Civilization</td>
<td>HISTORY 1200</td>
<td>3</td>
<td>A continuation of History 1100 to the present with special emphasis on the philosophical, political, social, and economic backgrounds of modern society.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Early Modern Civilization</td>
<td>HIS 210</td>
<td>3</td>
<td>The western world from 1500 to 1815; national states, the geographical revolution, the founding of European overseas empires, the Reformation, the emergence of constitutional governments, the Scientific Revolution, and the American and French Revolutions.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Modern Europe: 1789 to the Present</td>
<td>HIS 230</td>
<td>3</td>
<td>The French Revolution and Napoleonic periods; reaction, nationalism, and revolution, rise of socialism; Imperialism; World War I; the Russian Revolutions and Soviet communism; the rise of fascism; Hitler, Stalin, and World War II; the Holocaust; the postwar bi-polar world order; the bloc system.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Western Civilization II: 1500 to the Present</td>
<td>HUM 26-102</td>
<td>3</td>
<td>An introduction to the development of Western Culture from 1500 to the present.</td>
</tr>
<tr>
<td>Southeast Missouri State Univ.</td>
<td>Modern European Civilization</td>
<td>EH-103</td>
<td>3</td>
<td>A survey of the history of European civilization from 1715 to contemporary period.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>History of Modern Europe</td>
<td>HIST 1510</td>
<td>3</td>
<td>Selected major themes in European history from French Revolution to recent times. Breakdown of traditional institutions, ideas; political, social revolution; industrialization, nationalism, imperialism, world wars; democratic, totalitarian ideologies, movements; quest for international order, European unity.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>European History since 1600</td>
<td>HISTORY 202</td>
<td>3</td>
<td>This course surveys the political, economic, social, intellectual, and cultural history of Europe from about 1600 to the present. Emphasis is given to themes of continuity and change in European culture through the experience of political, scientific and industrial revolutions, conservative reactions, liberal reforms, nation building, imperialism, two world wars, fascism, communism and the Cold War.</td>
</tr>
</tbody>
</table>

Updated February 28, 2018
<table>
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</thead>
<tbody>
<tr>
<td>University of Missouri-St. Louis</td>
<td>Topics in European Civilization: 1715 to the Present</td>
<td>HIST 1032</td>
<td>3</td>
<td>Lectures and discussions on the development of western European society and tradition from 1715 to the present.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>Western Civilization II</td>
<td>HIST 102</td>
<td>3</td>
<td>Cultural developments and the growth of social and political institutions of the post-Renaissance/Reformation Western world are stressed. HIST 102 is a foundation course for understanding contemporary world problems.</td>
</tr>
<tr>
<td>East Central College</td>
<td>European Civilization II</td>
<td>CIV 202</td>
<td>3</td>
<td>Europe since 1500. An interdisciplinary study of the development of Western institutions from the Protestant Reformation to the present, with special emphasis on economic, intellectual, social, political, and religious movements.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>Renaissance to Early Modern Europe</td>
<td>HST 202</td>
<td>3</td>
<td>Renaissance to Early Modern Europe is a general survey course that examines the political, social, economic, and cultural aspects of the second third of the western civilization sequence. Beginning with the Renaissance and continuing to the cusp of the 20th century, this course analyzes the creation and the evolution of the western tradition.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>Modern Western Civilization</td>
<td>HIST 134</td>
<td>3</td>
<td>Survey of European history from the renaissance to the present. Emphasis on Renaissance and Reformation, the emergence of the modern state, industrialism, nationalism, and the problems caused by war, revolution and imperialism in the 20th and 21st centuries. Relationship of European civilization to the developments of the non-European world. This course will satisfy either Humanities or Social Science AA degree requirements.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Western Civilization II</td>
<td>HIS 1140</td>
<td>3</td>
<td>A study of the main problems of the western world from the Age of Absolutism to the present time.</td>
</tr>
<tr>
<td>Missouri State Univ.-West Plains</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Western Civilization II</td>
<td>HST 102</td>
<td>3</td>
<td>Students are introduced to Western culture beginning with the Renaissance and Reformation and progressing through the Scientific Revolution, the Enlightenment, the Age of Revolution, the Industrial Revolution, and the major events of the nineteenth and twentieth centuries. Humanism, secularism, human rights, progress, liberalism, conservatism, totalitarianism, socialism, Darwinism, and many other ideological concepts are examined.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Western Civilization since 1700</td>
<td>HI 102</td>
<td>3</td>
<td>A continuation of the survey of institutions, traditions and history of Western Civilization with emphasis on European developments and their interaction with non-western cultures and traditions. The time span for this course is from approximately 1715 to the present.</td>
</tr>
<tr>
<td>Ozarks Technical Comm. College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>College</td>
<td>Course Title</td>
<td>Course Code</td>
<td>Credits</td>
<td>Description</td>
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</tr>
<tr>
<td>St. Charles Community College</td>
<td>Western Civilizations, Modern European Heritage</td>
<td>HIS 146</td>
<td>3</td>
<td>Beginning with Renaissance, survey of history of Western civilization through post-WWII period.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>Western Civilization from 1500 to the Present</td>
<td>HST 128</td>
<td>3</td>
<td>This course surveys the political, economic, cultural, military, and social forces that have shaped the Western World. The course also examines religious developments, overseas colonization, the Enlightenment, industrialization, imperialism, the world wars, and globalization. Prerequisite: Reading Proficiency</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Three Rivers Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
</tbody>
</table>

**Missouri Higher Education Core Transfer Curriculum**

<table>
<thead>
<tr>
<th>MOTR Course Name</th>
<th>WORLD RELIGION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTR Course Number</td>
<td>MOTR RELG 100</td>
</tr>
<tr>
<td>Knowledge Area</td>
<td>HUMANITIES &amp; FINE ARTS</td>
</tr>
<tr>
<td>Transfer Credits</td>
<td>3</td>
</tr>
</tbody>
</table>
### MOTR COURSE DESCRIPTION

An introduction to a wide variety of world religious belief systems and practices, as well as the historical-cultural value systems underpinning their various divergent and/or overlapping value systems. Topics include major world religions (Judaism, Christianity, Islam, Hinduism, Buddhism, among others), as well as various intra-denominational religious expressions (e.g., Sunni, Shiite, Jainism, Lutheran, Methodist, Catholic, and so forth). Emphasis is placed on the development of a philosophical outlook that appreciates the religious pluralism of globalized societies.

This course is currently included in the Missouri Transfer Course Library.

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>COURSE NAME</th>
<th>COURSE NUMBER</th>
<th>TRANSFER CREDITS</th>
<th>COURSE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris-Stowe State University</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Lincoln University</td>
<td>Major Religions of the World</td>
<td>PHI 201</td>
<td>3</td>
<td>Compares and contrasts concepts of ultimate reality, the world of sense, human nature and religious morality of major Eastern and Western religions, including Hinduism, Buddhism, Islam, Christianity and modern secularism.</td>
</tr>
<tr>
<td>Missouri Southern State University</td>
<td>Comparative Religion</td>
<td>PHIL 0320</td>
<td>3</td>
<td>A philosophical and historical survey, emphasizing the world's major living religions</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Introduction to Religion</td>
<td>REL 100</td>
<td>3</td>
<td>Investigates what religion is and does, compares culturally diverse religious ideas and practices. This course explores how religion influences the relationship between individual and community by examining religious ethical systems, and providing community engagement opportunities.</td>
</tr>
<tr>
<td>Missouri State University</td>
<td>Paths of World Religions</td>
<td>REL 210</td>
<td>3</td>
<td>A global survey of religious movements, including Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Students will learn how these religions have affected individual and cultural identities in history and in the contemporary world.</td>
</tr>
<tr>
<td>Missouri University of Science &amp; Technology</td>
<td>Comparative Religious Philosophy</td>
<td>PHILOS 1175</td>
<td>3</td>
<td>A comparison of the philosophic ideas and foundations of the major Eastern and Western religions.</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Comparative Religions: Eastern Traditions</td>
<td>REL 250</td>
<td>3</td>
<td>Survey of major and minor religions with relevant historical and cultural elements, focusing primarily on religious traditions with origins in East Asia and Oceania</td>
</tr>
<tr>
<td>Missouri Western State University</td>
<td>Religions of the West</td>
<td>REL 251</td>
<td>3</td>
<td>Survey of major and minor religions with relevant historical and cultural elements, focusing primarily on religious traditions with origins in West Asia, Europe, and the Americas.</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
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<td>Description</td>
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</tr>
<tr>
<td>Missouri Western State University</td>
<td>Religions of South Asia and Africa</td>
<td>REL 252</td>
<td>3</td>
<td>Survey of major and minor religions with relevant historical and cultural elements, focusing primarily on religious traditions with origins in South Asia and Africa.</td>
</tr>
<tr>
<td>Northwest Missouri State University</td>
<td>Comparative Religions</td>
<td>HUM 26-162</td>
<td>3</td>
<td>An introduction to and a comparative analysis of selected religious traditions.</td>
</tr>
<tr>
<td>Southeast Missouri State University</td>
<td>World Religions</td>
<td>RS 101</td>
<td>3</td>
<td>A study of major world religions, including an examination of various definitions and characteristics of religion as exemplified in the histories of religions and their impact on societies.</td>
</tr>
<tr>
<td>Truman State University</td>
<td>Exploring Religions</td>
<td>PHRE 185</td>
<td>3</td>
<td>Analyzes religion and its roles in the human cultures of the world with emphasis on major living religions.</td>
</tr>
<tr>
<td>University of Central Missouri</td>
<td>Exploring Religions</td>
<td>REL 1510</td>
<td>3</td>
<td>Definitions, experiences, expressions, beliefs, socio-cultural contexts, and concept of self within religious traditions and practices.</td>
</tr>
<tr>
<td>University of Missouri-Columbia</td>
<td>Religions of the World</td>
<td>REL_ST 2110</td>
<td>3</td>
<td>This course introduces students to a variety of religious traditions through the study of their myths, rituals, beliefs, and practices, and explores approaches to the academic study of religion.</td>
</tr>
<tr>
<td>University of Missouri-Kansas City</td>
<td>Introduction to Comparative Religion</td>
<td>RELIG-ST 100</td>
<td>3</td>
<td>An introduction to the major religious traditions of the world and small group or tribal religions. Emphasis on the comparative study of selected myths, rituals, types of religious specialists, and types of religious communities.</td>
</tr>
<tr>
<td>University of Missouri-St. Louis</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Crowder College</td>
<td>World Religions</td>
<td>PHIL 121</td>
<td>3</td>
<td>Students survey and compare the great world religions emphasizing concepts of God, creation, humanity, scripture, ethics and salvation. Emphasis is placed on the relationship between religious beliefs and other elements of society and culture. This rational and historical analysis concentrates on Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shinto, Zoroastrianism, Judaism, Christianity, Islam, and Baha’i. It also includes an introduction to some basic indigenous religions of Native America and Africa.</td>
</tr>
<tr>
<td>East Central College</td>
<td>Living World Religions</td>
<td>REL 1303</td>
<td>3</td>
<td>An introductory survey course of the major Eastern and Western religions of the world today, with emphasis on the similarities and differences in their basic teachings and practices, historical backgrounds, and lives of their founders.</td>
</tr>
<tr>
<td>Jefferson College</td>
<td>World Religions</td>
<td>PHL 201</td>
<td>3</td>
<td>World Religions is a comparative religions course which considers the major faiths of the world: Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, and Daoism.</td>
</tr>
<tr>
<td>Metropolitan Community College</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Mineral Area College</td>
<td>Comparative Religion</td>
<td>PHI 1410</td>
<td>3</td>
<td>A survey of the major world religions, including Hinduism, Buddhism, Judaism, Christianity and Islam. Meets cultural diversity requirement, Comparative</td>
</tr>
<tr>
<td>Institution</td>
<td>Course Title</td>
<td>Code</td>
<td>Credits</td>
<td>Description</td>
</tr>
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</tr>
<tr>
<td>Missouri State University-West Plains</td>
<td>Paths of World Religions</td>
<td>REL 210</td>
<td>3</td>
<td>A global survey of religious movements, including Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Students will learn how these religions have affected individual and cultural identities in history and in the contemporary world.</td>
</tr>
<tr>
<td>Moberly Area Community College</td>
<td>Religions of the World</td>
<td>PHI 251</td>
<td>3</td>
<td>This course focuses on the impact that religions have had on history and humanity. The basic beliefs and lifestyles of Hinduism, Buddhism, Islam, Judaism, and Christianity are presented.</td>
</tr>
<tr>
<td>North Central Missouri College</td>
<td>Introduction to Religion</td>
<td>RL 101</td>
<td>3</td>
<td>This course introduces the student to the richness and variety of religious expressions around the world. Further, the student will be introduced to the theology and practices of the religions studied. The student will have an opportunity to analyze and compare religious systems. The student will be prepared to better understand contemporary religious issues and conflicts.</td>
</tr>
<tr>
<td>Ozarks Technical Community College</td>
<td>Intro Religions of the World</td>
<td>REL-100</td>
<td>3</td>
<td>This course explores religion as a significant part of human experience and introduces the student to the historical development and the current beliefs and practices of diverse religious traditions in the United States and around the globe.</td>
</tr>
<tr>
<td>St. Charles Community College</td>
<td>World Religions</td>
<td>PHL 201</td>
<td>3</td>
<td>Introduction to basic doctrines and stories of seven major religions of the world: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam.</td>
</tr>
<tr>
<td>St. Louis Community College</td>
<td>World Religions</td>
<td>PHIL 103</td>
<td>3</td>
<td>This is an introductory course examining the nature and function of religion in human experience and culture and an introduction to the history, content and present status of selected world religions such as Hinduism, Buddhism, Taoism, Confucianism, Islam, Judaism and Christianity.</td>
</tr>
<tr>
<td>State Fair Community College</td>
<td>Living Religions</td>
<td>PHL 103</td>
<td>3</td>
<td>This course introduces the student to the living religions of the world as belief, practice and the impact of the faith on society and culture. In addition, each major religion reviewed will be approached by asking what is the ultimate reality; how should a follower live in this world, and what is the purpose of life. Religions reviewed include Hinduism, Buddhism, Judaism, Christianity, Islam and to a less extent Jainism, Sikhism, Confucianism, Daoism, and Shinto.</td>
</tr>
<tr>
<td>State Technical College of Missouri</td>
<td>No equivalent course</td>
<td>N/A</td>
<td>3</td>
<td>Students transferring to this institution will receive three (3) credits in the Humanities &amp; Fine Arts knowledge area.</td>
</tr>
<tr>
<td>Three Rivers College</td>
<td>Religions of the World</td>
<td>PHIL 243</td>
<td>3</td>
<td>Religions of the World provides students with an introduction to today's five major religions: Hinduism, Buddhism, Islam, Judaism and Christianity. Through reading, writing and discussion, students will: recognize the importance of religion in human culture; identify the history, teachings, writings and theologies of the selected religions; compare religions in terms of their comprehensive theologies; and demonstrate a critical appreciation of each faith studied.</td>
</tr>
</tbody>
</table>
**CORE 42 Frequently Asked Questions**

Below are questions and concerns MDHE staff has frequently heard regarding the CORE 42. By no means is this an exhaustive list of questions, and neither are the answers the last word on the subject. More questions will arise as the CORE 42 is implemented. We’ll do our best to address your concerns, but many of these questions will be decided through conversations within the larger academic community.

1. **What is the CORE 42?**
   The Core Curriculum (Core 42) is a framework for general education based upon a statement of the content, component (Knowledge Areas), and objectives of the core curriculum and included courses, and which all Missouri public higher education institutions have agreed to adopt. Upon a student’s successful completion of the CORE 42 at any community college or public institution of higher education, that block of courses will be transferred to any other public institution of higher education in the state and shall be substituted for the receiving institution’s general education requirement. Institution registrars will develop a process for clearly identifying on a student’s transcript when they have completed the CORE 42. Students will receive credit for having completed the general education requirement at the sending institution and will not be required to take any additional lower-division general education courses at the receiving institution.

   For students who transfer before completing CORE 42 curriculum at the sending institution, they shall receive credit from the receiving institution for each of the courses identified as part of the CORE 42 (identified with “MOTR” prefix). The credit received for any individual course with a MOTR prefix shall not only fulfill the specific discipline-area within the CORE 42 framework, but will also fulfill any other requirements or pre-requisites that the course satisfies. For example, if a student were to take a psychology course with a MOTR prefix at the sending institution that also fulfills a major or pre-requisite requirement at the receiving institution, the sending institution’s course will also meet those same requirements.

2. **How was the CORE 42 developed?**
   SB 997 directed the Coordinating Board for Higher Education to develop a core curriculum with the assistance of an advisory committee comprised primarily of faculty. The Core Curriculum Advisory Committee (CCAC) included representatives from each public college and university.

   The CCAC and MDHE staff developed a framework for the CORE 42 and identified courses to be considered as part of the core curriculum. Faculty Discipline Groups (FDGs), comprised of faculty from specific disciplines, reviewed course descriptions from each institution to determine which courses met the objectives of the CORE 42 course.
Throughout the process, the CCAC and MDHE staff engaged other faculty, chief academic officers, registrars and transfer coordinators, and chief executive officers.

3. Do Honors courses transfer?
Honors courses should transfer and fulfill requirements of the CORE 42. The decision to accept an Honors course as an Honors course will be at the discretion of the receiving institution.

4. SB 997 refers to “native” students and students enrolled in professional degree programs, both of whom are exempt from the provisions of the CORE 42. How will that work?
Native students are defined as students who have enrolled and attended only one institution and do not intend to transfer to another institution. For purposes of the CORE 42, students who earned dual credit while in high school will be considered native students. Per SB 997, the provisions of CORE 42 do not apply to native students.

Because of licensure or accreditation constraints, professional degree programs often have specific general education requirements. Students enrolled in such programs will take the recommended curriculum for their area of study.

As the CORE 42 is implemented, MDHE staff and the CCAC will work to develop clear pathways for students, including those enrolled in professional programs.

5. What does “at least 42 credit hours” mean?
As many of the courses included in the CORE 42 Framework are of varying credit hours lengths, it is nearly impossible to develop a course outline where the credits obtained equal exactly 42 credit hours. The “forty-two credit hour block” referred to in SB 997 is taken directly from the department’s previous transfer policy that has been in effect since the mid-1990s. The previous policy did not delineate specific courses to be included in the framework, resulting in an infinite number of courses students could use to fulfill the requirements. By requiring the department to identify specific courses for equivalence, it created an additional task for managing courses of varying credit hour length (e.g. foreign language and sciences). The spirit of the law is to facilitate the seamless transfer of general education between institutions and reducing the need for students to “retake” coursework already completed at the sending institution.

6. What about students caught in the pipeline or the transitional phase of the core curriculum?
Credits accepted in transfer before August 1, 2018, will be determined by the receiving institution. Credits accepted August 1, 2018 and after will fall under the Core Curriculum Transfer Act.
7. How are specific institutional requirements such as a PE credit requirement or an International credit requirement handled with the core curriculum?
Specific institutional requirements are not included in the core curriculum. The only way specific institutional requirements would be able to be included in the core curriculum is if a class in the MTOR course library would work for the requirement.

8. How will appeals or disputes be handled?
The Committee on Transfer and Articulation is currently developing a detailed process for appeals, but the statute provides a clear framework. Per Senate Bill 997, if an institution of higher education does not accept course credit earned by a student at another public institution of higher education, that institution shall give written notice to the student and the other institution that the transfer of the course credit is denied. If the transfer dispute is not resolved to the satisfaction of the student or the institution at which the credit was earned within forty-five days after the date the student received written notice of the denial, the institution that denies the transfer of the course credit shall notify the commissioner of higher education of its denial and the reasons for the denial. The commissioner of higher education or his or her designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination as to the involved student and institutions.

9. I’m a student. What do I do if an institution won’t accept my courses in transfer?
The Core Curriculum is designed to work seamlessly between public institutions of higher education. If the receiving institution does not accept your courses in transfer, that institution must notify you and the sending institution that the transfer request has been denied. After this, the two institutions must work with you to settle any transfer disputes.

If the transfer dispute is not solved in a satisfactory manner, the receiving institution must notify the commissioner of higher education—within 45 days after the student received written notification that the transfer request was denied—must notify the commissioner that the request was denied and the reasons it was denied.

While this process will be used to settle disputes, MDHE will also be able to collect data on the kinds of disputes that occur, and to get a better idea of transfer practices in general; MDHE will use this data to identify bottlenecks and barriers to transfer and use this information to inform policy on transfer and articulation moving forward.

10. Will new courses be added to the CORE 42? How will that happen?
Yes. While a specific process has not been established, new courses can be suggested by institutions, followed by a review similar to what the Core Curriculum Advisory Committee (CCAC) has done throughout the initial round of course approvals. Faculty Discipline Groups (FDGs) will be utilized to evaluate courses to ensure they meet certain competencies and outcomes; institutional courses that meet these requirements will be approved and added to the core curriculum transfer library.

11. How do the new Math Pathways fit in the Core Curriculum?

Updated February 28, 2018
The Math Pathways courses—Mathematical Reasoning & Modeling, Statistical Reasoning, Pre-Calculus Algebra, and Pre-Calculus—will fulfill the math requirement in the CORE 42.

12. A course at my institution has a different number of credit hours than the receiving institution? How will credit hour differences be handled in the CORE 42?
In some disciplines, particularly the sciences and foreign language, there are courses with three, four, and five credit hours proposed for equivalent transfer among institutions.

The Natural Sciences workgroup of the CCAC recommends 4 credit hours for all laboratory-based, lower-division general education MOTR science courses. This will require some institutions to adjust the credit hours assigned to laboratory-based, lower-division general education MOTR science courses.

The Humanities & Fine Arts workgroup of the CCAC recommends all MOTR foreign language courses carry 3 hours of transfer credit, with any additional credits hours applying as general credit toward the 42-hour minimum. There have been concerns raised about this approach, which the CCAC has not had a chance to resolve.

When a student fulfills the Core Curriculum at their sending institution, they will receive full credit at the receiving institution, regardless of the number of credit hours in equivalent classes at the receiving institution.

The Core Curriculum Advisory Committee will continue to study this issue, and will make recommendations for the standardization of credit hours in specific MOTR courses. Because this process needs further study, and significant time for implementation, standardized credit hours will not be required by the fall of 2018.

13. A student completed 12 credits in Humanities & Fine Arts, but the requirement is at least 9 credit hours. What happens to the other three credits?
Students have to complete a minimum of credits in each Knowledge Area. Credits earned beyond the minimum count toward the 42-hour minimum.