

STUDENT ENROLLMENT PROJECTIONS

Year	1	2	3	4	5
Full Time	45	49	52	55	58
Part Time	23	25	27	28	30
Total	68	74	79	83	88

COLLABORATIVE PROGRAMS

Sponsoring Institutions: N/A

Degree program: N/A

Length of agreement: N/A

PROGRAM STRUCTURE

A. Total credits required for graduation: 63-66

B. Residency requirements, if any: Last 15 hours completed at OTC

C. General education: Total credits: 41

Courses (specific courses OR distribution area and credits):

AGR 100 3cr. CHM 111 5cr. ENG 101 3cr.

MTH 130 3cr. Humanities 3cr. CIS 101 3cr.

BIO 160 4cr. ENG 150 3cr. PLS 101 3cr.

COM 105 3cr. ECO 270 3cr. HLT 101 2cr.

SPN 101 3cr.

D. Major requirements: Total credits: 22-25 (See attached program for specific option requirements) _____

_____ cr. _____ cr. _____ cr.

E. Free elective credits: 0 (Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience: None _____

G. Any unique features such as interdepartmental cooperation: None _____

AGRICULTURE (AGR)

OPTIONS: ANIMAL SCIENCE, PLANT SCIENCE, GENERAL AGRICULTURE

A.A.S. DEGREE - 63-66 HOURS

The Associate of Applied Science degree in Agriculture allows students to develop academic abilities and skills associated with the agriculture industry. Students with long-term goals of obtaining a Bachelor of Science degree in any chosen field of Agriculture will benefit from these courses. The student may choose a specific option to pursue within the field of Agriculture. The options include Animal Science, Plant Science or General Agriculture. Prior to beginning a desired option, students should meet with an academic advisor to specify the courses required to meet their desired goals.

Emphasis-Specific Electives for Agriculture

Option A: Animal Science

AGR 160	Animal Science	4
AGR 180	Plant and Soil Science	4
AGR 235	Soils	3
BCS 200	Microbiology	4
BIO 250	Genetics	4
CHM 200	Survey of Organic Chemistry	5

Option B: Plant Science

AGR 112	Woody Ornamental Identification	4
AGR 145	Landcare Equipment Maintenance	4
AGR 160	Animal Science	4
AGR 180	Plant and Soil Science	4
AGR 214	Landscape Design	4
AGR 225	Urban Forestry	4
AGR 235	Soils	3

Option C: General Agriculture

AGR 112	Woody Ornamental Identification	4
AGR 160	Animal Science	4
AGR 180	Plant and Soil Science	4
AGR 214	Landscape Design	4
AGR 220	Turf & Landscape Bus Management	3
AGR 235	Soils	3

PREFERRED COURSE SEQUENCE

Semester I

AGR 100	Introduction to Agriculture	3
CHM 111	General Chemistry I	5
ENG 101	Composition I	3
MTH 130	College Algebra	3
² Humanities	Block I Elective	3
Total Semester Hours		17

Semester II

CIS 101	Personal Computer Applications	3
BIO 160	General Biology I	4
ENG 150	Technical Writing	3
¹ PLS 101	American Government and Politics	3
Emphasis Elective from Selected Option A, B or C		3-4
Total Semester Hours		16-17

Semester III

COM 105	Public Speaking	3
ECO 270	Principles of Economics I	3
HLT 101	Lifetime Wellness	2
Emphasis Elective from Selected Option A, B or C		4
Emphasis Elective from Selected Option A, B or C		4
Total Semester Hours		16

Semester IV

SPN 101	Beginning Spanish I	3
Emphasis Elective from Selected Option A, B or C		4
Emphasis Elective from Selected Option A, B or C		3-5
Emphasis Elective from Selected Option A, B or C		4
Total Semester Hours		14-16

¹Must satisfy Missouri law to include instruction in U.S. and State Constitutions.

²Choose from ART 101,105,110; ENG 200,225,240,245; HUM 101; PHL 101, 105; or THR 101.

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name Ozarks Technical Community College

Program Name Agriculture

Date August 2011

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

Student Preparation

Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

Characteristics of a specific population to be served, if applicable.

- No special preparation will be required. Admission is open to all students.

Faculty Characteristics

Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

- Faculty teaching in this degree area should have:
 - Bachelors degree in a comprehensive Agriculture major from a regionally accredited institution of higher learning, Master's degree preferred.
 - Missouri Department of Elementary and Secondary Education (DESE) vocational certification
 - Minimum of 2 years teaching experience, private or public
 - Computer literacy skills

Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here:

- Full-time faculty will teach approximately 60% of credit hours offered for this degree.

Expectations for professional activities, special student contact, teaching/learning innovation:

- Full time faculty will maintain membership in professional organizations including:
 - Missouri Association of Career and Technical Education (MOACTE)
 - National Association of Agriculture Educators (NAAE)

- Professional Landcare Network (PLANET)
- Professional Grounds Management Society (PGMS)

Enrollment Projections

- Student FTE majoring in program by the end of five years.
 - It is projected that 58 students will be majoring in this degree program by the end of five years.
- Percent of full time and part time enrollment by the end of five years.
 - 66% full-time
 - 34% part-time

Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
 - It is anticipated that this program will graduate 20 and 25 per annum at three and five years, respectively.
- Special skills specific to the program.
 - This program will emphasize not only applied scientific principles to benefit a student entering the agriculture workforce but also a significant course work for transferability to multiple four-year institutions.
- Proportion of students who will achieve licensing, certification, or registration.
 - N/A
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.
 - Prior to graduation all students in this program will be assessed on the outcomes of the national WorkKeys exam
 - Students success will be assessed through the established OTC assessment plan.
- Placement rates in related fields, in other fields, unemployed.
 - It is projected that students seeking employment in the field of agriculture will have a 100% placement rate with an anticipated rate of 45% seeking employment after graduation.
- Transfer rates, continuous study.
 - It is projected that students transferring for continued study will be 55% of the students completing the AAS in Agriculture. Currently, OTC has articulation agreements and established understandings of transfer with other four-year institutions within the area to transfer the courses being established in this degree program. Approval of this program will provide a more consistent avenue for establishing articulation agreements for students wishing to transfer for continued education.

Program Accreditation

Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide reasons.

- Accreditation possibilities are being evaluated to determine the availability and feasibility of various programs.

Alumni and Employer Survey

- Expected satisfaction rates for alumni, including timing and method of surveys
 - All graduates will be provided a 180-day employment survey by mail to evaluate satisfaction of the program, employment, or continued studies. It is anticipated that the College will maintain a 95% or higher satisfaction rating from alumni.
- Expected satisfaction rates for employers, including timing and method of surveys
 - Ozarks Technical Community College conducts an employer satisfaction survey annually to gain an understanding of how graduates of the College meet the needs of the employers. It is anticipated that the College will maintain a 98% or higher satisfaction rating with local employers.