



Tab 12

Fast Track Academic Program Approval

Coordinating Board for Higher Education
March 16, 2023

BACKGROUND

The legislation establishing the Fast Track Workforce Incentive Grant program (§ 173.2553, RSMo) authorizes the Coordinating Board to “designate eligible programs of study . . . in connection with local education institutions, regional business organizations, and other stakeholders.” That legislation also directs that “the coordinating board shall annually review the list of eligible programs of study and make changes to the program list as it determines appropriate.”

On June 5, 2019, the Coordinating Board approved the initial list of instructional program areas eligible for the Fast Track grant. Each year at the March CBHE meeting, staff bring forward information about requested changes to the list of designated Fast Track program areas (four digit Classification of Instructional Programs codes) gathered from various constituencies. The intent of this agenda item is to describe the process followed to develop potential revisions to the list of eligible programs for academic year 2023-2024 and recommend approval of revisions.

CURRENT STATUS

The authorizing statute defines an eligible program, in part, as one “that has been designated by the Coordinating Board as preparing students to enter an area of occupational shortage as determined by the Board.” In order to construct the original listing as well as subsequent updates, DHEWD staff reviewed long-term occupational projections used by a variety of agencies to understand the changes and trends within the state’s workforce. Using those projections, staff developed a list of the most in-demand occupational categories, based on both regional and statewide data. Staff took the resulting list of occupational categories and used the nationally standardized crosswalk to establish which instructional program area(s) are connected to the identified occupational area.

Beginning in January, DHEWD reached out to the presidents and chancellors of the participating colleges and universities and to the business community to solicit suggestions for changes and additions to the approved program list. Because the prior approvals have been based on four-digit CIP categories, which provides some flexibility relating to specific program eligibility, staff recommendations continue to follow that format. The summary tables below provide the staff recommendations for changes to the list of Fast Track approved program areas. Attachment A provides additional detail including the submitting institution/organization, program name, description provided by submitting entity, and basis for staff recommendation. Attachment B is the existing listing of designated programs to which these programs would be added.

Table 1 displays program areas proposed through the feedback process that were already approved by the Coordinating Board and are being funded during the 2022-2023 academic year. No action is required for these program areas to remain as part of the Fast Track approved program listing. All of the programs within each of these subject areas would be included as part of this approval.

Table 1 – Currently Approved and Funded Fast Track Program Areas

CIP Code	Program Area
11.01	Computer and Information Sciences, General
11.02	Computer Programming
11.10	Computer/Information Technology Administration and Management
13.10	Special Education and Teaching
13.12	Teacher Education and Professional Development, Specific Levels and Methods
13.13	Teacher Education and Professional Development, Specific Subject Areas

CIP Code	Program Area
15.13	Drafting/Design Engineering Technologies/Technicians
19.07	Human Development, Family Studies, and Related Services
43.01	Criminal Justice and Corrections
43.03	Homeland Security
43.04	Security Science and Technology
51.09	Allied Health Diagnostic, Intervention, and Treatment Professions
51.38	Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing
52.02	Business Administration, Management and Operations
52.08	Finance and Financial Management Services
52.10	Human Resource Management and Services
52.14	Marketing

Table 2 lists program areas that were not included as part of the current list of approved program areas but that DHEWD staff recommend for inclusion within the program for academic years 2023-2024 and beyond based on occupational demand and projected salary levels. All of the programs within each of these subject areas would be included as part of this approval.

Table 2 – Recommended for Approval as Fast Track Program Areas

CIP Code	Program Area
01.02	Agricultural Mechanization
03.01	Natural Resources Conservation and Research
09.01	Communication and Media Studies
09.07	Digital Communication, Radio, and Television
27.01	Mathematics
29.02	Intelligence, Command Control and Information Operations
30.71	Data Analytics
31.05	Kinesiology, Physical Education/Fitness and Sports
44.00	Human Services, General
49.01	Air Transportation
52.07	Entrepreneurial and Small Business Operations
52.13	Management Sciences and Quantitative Methods
52.17	Insurance
52.20	Construction Management

Table 3 lists program areas suggested for inclusion as part of the feedback process that staff do not recommend for inclusion in the approved program listing at this time. Each listing includes a brief explanation of why it was not recommended for inclusion. As a note, program title changes and similar revisions do not require approval through this process as those updates are made as part of the academic program actions.

Table 3 – Not Recommended for Approval as Fast Track Program Areas

CIP Code	Program Area	Rationale
01.10	Food Science and Technology	Associated occupations are not identified as high-career grade / high-demand in Missouri.
04.03	City/Urban Community and Regional Planning	Associated occupations are not identified as high-career grade / high-demand in Missouri.
09.04	Journalism	
13.99	Education, Other	The MDHEWD has generally not approved General / Other CIPs for Fast Track eligibility. A number of specific education CIPs are approved for funding.

CIP Code	Program Area	Rationale
23.13	Rhetoric and Composition/Writing Studies	Associated occupations are not identified as high-career grade / high-demand in Missouri without additional education. Net change in employment for technical writers is relatively small in absolute numbers; other associated occupations typically require additional education.
24.01	Liberal Arts and Sciences, General Studies and Humanities	Associated occupations are not identified as high-career grade / high-demand in Missouri without additional education.
41.01	Biology/Biotechnology Technologies/Technicians	Associated occupations are not identified as high-career grade / high-demand in Missouri.
44.02	Community Organization and Advocacy	Associated occupations are not identified as high-career grade / high-demand in Missouri.
51.00	Health Services/Allied Health/Health Sciences, General	Associated occupations are not identified as high-career grade / high-demand in Missouri. Additional specific allied-health related programs are already approved.

While regular review and revision of the list is necessary, DHEWD staff believe the above list of additional approved programs is consistent with the intent of the legislation and adequately covers the scope of programs for which Missouri is experiencing the greatest shortage of available labor.

NEXT STEPS

Once the list of designated instructional program areas is finalized, DHEWD staff will update the program listings for each participating institution and share the list to verify that the program information is correct and complete. That process should be complete by April 15. Once all revisions and corrections have been made, the application, which is located in the student portal, will be updated by June 1 and revised listings of eligible programs will be available on the DHEWD website.

RECOMMENDATION

Staff recommends that the Coordinating Board designate the instructional programs classified within the program areas listed in Table 2 above as additional programs eligible for the Fast Track Workforce Incentive Grant beginning with the 2023-2024 academic year.

ATTACHMENT

- A. Proposed 2023-2024 Fast Track Program Additions
- B. 2022-2023 Fast Track Program Area Listing

Tab 12, Attachment A
Proposed 2023-2024 Fast Track Program Additions

Institution	Program CIP	Program Name	Material from Institution	Decision
University of Missouri Sys	1.0201	Agricultural Mechanization	Supporting data provided by University of Missouri System	Associated occupations are identified as high-career grade / high-demand in Missouri.
Saint Louis University	1.1099	Brewing Science and Operations (UG Cert)	Brewing experts in the St. Louis area will teach you the scientific processes of brewing and fermentation, the engineering operations components of breweries, beer style and evaluation, the process used to manage a brewery, and how fermented beverages impact society.	Associated occupations are not identified as high-career grade / high-demand in Missouri.
Evangel University	3.0104	Applied Science and Sustainability Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Missouri State University	4.0301	Community and Regional Planning	The U.S. Bureau of Labor Statistics projects 4-6% job growth in urban and regional planning careers over the next decade. Median salaries for planners are \$78,500 with diverse opportunities in the government and private sectors. Source: https://www.bls.gov/ooh/life-physical-and-social-science/urban-and-regional-planners.htm#tab-1	Associated occupations are not identified as high-career grade / high-demand in Missouri.
Evangel University	9.01	Strategic Communication (advertising and public relations)	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Evangel University	9.0402	Multimedia Journalism - Bachelor	All data taken from Missouri Occupational Outlook website	Associated high-growth occupations tend to not require formal postsecondary training.
Evangel University	9.0702	Digital and Graphic Design - Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Evangel University	9.0702	Film and Broadcasting - Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Saint Louis University	11.0101	Computer Information Systems (UG & Cert)	Saint Louis University's Bachelor of Science in Computer Information Systems will help you prepare for your career with innovative, diverse, technology-based organizations in the ever-changing field of computer science and IT.	Already an approved Fast Track Program
Ozarks Technical Commur	11.0201	IT Specialist Boot Camp (CompTIA A+ Certification Training, Test Voucher included)	Developed to provide short-term training for skills to enter the workforce and in conjunction with Information Technology industry partners. LinkedIn currently has 619 IT data technician job openings in Missouri. According to BLS, Network and Computer Systems Admins is projected to grow 3 percent between 2021 and 2031 and computer occupations overall, are projected to grow by 15 percent. Participants have the potential of earning \$85,760, which is the mean wage in Missouri as of May 2021.	Already an approved Fast Track Program
Saint Louis University	11.1099	Technology and Leadership (UG Degree)	Coursework in this program combines the study of computer information systems with organizational leadership. By taking courses in both areas, you will be better prepared to lead and manage in complex technological work environments.	Already an approved Fast Track Program
Evangel University	13.1001	Special Education	All data taken from Missouri Occupational Outlook website	Already an approved Fast Track Program
Evangel University	13.1202	Elementary Education	All data taken from Missouri Occupational Outlook website	Already an approved Fast Track Program
Evangel University	13.121	Early Childhood Education	All data taken from Missouri Occupational Outlook website	Already an approved Fast Track Program
Evangel University	13.1325	French Education Bachelor	All data taken from Missouri Occupational Outlook website	Already an approved Fast Track Program
Evangel University	13.9999	Communication Arts Education Bachelor	All data taken from Missouri Occupational Outlook website	The MDHEWD has generally not approved General / Other CIP's for Fast Track eligibility. A number of specific education CIP's are approved for funding.
Ozarks Technical Commur	15.1301	Fundamentals of Autocad 2020 (Cert.)	Developed to provide short-term training for skills to enter the workforce and in conjunction with architectural industry partners. According to BLS, AutoCAD (CAD) designers have projected growth rate of 8 percent between 2016 and 2026. Participants have the potential of earning \$57,390, which is the mean wage in Missouri, as of May 2021. LinkedIn currently has 308 drafting design job openings in Missouri.	Already an approved Fast Track Program
Ozarks Technical Commur	15.1301	Fundamentals of Architecture with Revit (Cert.)		Already an approved Fast Track Program
Ozarks Technical Commur	15.1301	AutoCad Mechanical Essentials (Cert.)		Already an approved Fast Track Program
Ozarks Technical Commur	15.1301	Fundamentals of Autodesk Inventor Pro (Cert.)		Already an approved Fast Track Program
Evangel University	19.071	Crisis and Suicide Intervention - Certificate	All data taken from Missouri Occupational Outlook website	Already an approved Fast Track Program
Missouri State University	23.1303	Professional Writing/Editing	This program focuses on professional, technical, business, and scientific writing; and that prepares individuals for academic positions or for professional careers as writers, editors, researchers, and related careers in business, government, non-profits, and the professions. Includes instruction in theories of rhetoric, writing, and digital literacy; document design, production, and management; visual rhetoric and multimedia composition; documentation development; usability testing; web writing; and publishing in print and electronic media. The program prepares students to enter the workforce as technical writers and writers/authors. OES projections indicate that the demand for technical writers will increase by 12.6% from 2020-2030 in Missouri, with wages ranging from \$52,650 for entry-level positions to \$83,210 for experienced professionals. OES also projects increased demand for writers/authors, which is expected to grow by 5% from 2020-2030 and has wages ranging from \$40,640 for entry-level positions to \$64,470 for experienced professionals. Source: https://meric.mo.gov/media/2191/download, tab 5 .	Associated occupations are not identified as high-career grade / high-demand in Missouri without additional education. Net change in employment for technical writers is relatively small in absolute numbers; other associated occupations typically require additional education.
Saint Louis University	24.0102	General Studies (UG Degree)	As part of this interdisciplinary program, you'll explore the value of innovative reflection, inquiry and analysis, quantitative and financial literacy, leadership, ethical reasoning and civic engagement. You will also select a minor, certificate or liberal arts focus as part of your degree path. This additional feature allows you to deepen your expertise in one specialized area while enhancing your broad-based interpersonal and leadership skills.	Associated occupations are not identified as high-career grade / high-demand in Missouri without additional education.
Evangel University	27.0101	Mathematics Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Saint Louis University	29.0201	Security and Strategic Intelligence (UG Degree)	Study trends in intelligence gathering surrounding such critical and timely topics as terrorism, homeland security, and cybercrime with a Bachelor of Science in Security and Strategic Intelligence offered through Saint Louis University's School for Professional Studies.	Included programs are conceptually similar to other approved CIPs, including within 43.04 / Security Science and Technology. CIP 29 programs are military technologies and applied sciences.
University of Missouri Sys	30.7101	Data Analytics	Supporting data provided by University of Missouri System	Associated occupations are identified as high-career grade / high-demand in Missouri.
Evangel University	30.7101	Business Analytics - Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.

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Proposed 2023-2024 Fast Track Program Additions

Evangel University	30.7102	Business Analytics - Certificate	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Evangel University	31.0501	Exercise Science - Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Saint Louis University	41.0101	Cannabis Science and Operations (UG Cert)	This certificate program addresses all aspects of the cannabis industry, including cultivating, growing and producing. You will learn about dispensing and the pharmacological properties of cannabis. Graduates of this certificate program can pursue positions in sales and marketing, dispensary management, quality assurance and laboratory technology, among other areas.	Associated occupations are not identified as high-career grade / high-demand in Missouri.
Saint Louis Community C	41.0101	Life Science Lab Assistant (cert)	This would allow our Life Science Lab Assistant (LSA) Certificate of Specialization and our Biotechnology Associate of Applied Science degrees as options for Fast Track in a sector that is desperate for qualified workers. As you may know, these programs are similar to Missouri Baptist University's Biotechnology Programs, which are already approved for Fast Track. Our LSA and biotechnology programs teach basic through advanced lab skills for the already vast but continuously growing biotechnology industry in the St. Louis area. There have been numerous NSF grants submitted (and received) to bring attention and resources to the Region, not to mention burgeoning start-up companies, expansion of existing companies, and a large non-profit dedicated to providing greater innovation to this industry. STLCC's programs are co-located with these biotech companies and partner with all areas of the field to ensure that students have an immediate pathway into the workforce, including a paid internship as part of their coursework. The biotech industry is in desperate need of workers, with levels of need that match those of healthcare. It is important to note that in my meetings with the various CEOs of these companies, they have often remarked that they would be unable to be located in St. Louis if these programs were not in place for their companies to recruit employees from.	Associated occupations are not identified as high-career grade / high-demand in Missouri without additional education.
Missouri State University	43.0104	Criminology and Criminal Justice	A large proportion of B.S./B.A. in Criminology and Criminal Justice students enter law enforcement fields. Recent MERIC projections give police and sheriff patrol officers a B grade for 2020-2030 top job outlook. Nationwide survey data gathered by the Police Executive Research Forum show a substantial acceleration in hiring demand, with an increase of 40% in resignations and 31% in retirements from 2020 to 2021. News reports confirm that major police agencies in Missouri such as St. Louis and Kansas City are looking to fill a large number of open positions. Missouri Economic Research and Information Center: https://meric.mo.gov/data/occupation/occupational-projections PERF surveys showing national shortages: https://www.policeforum.org/workforcemarch2022 https://www.policeforum.org/perf-in-the-news St. Louis story on shortage of police officers: https://www.foxnews.com/us/st-louis-police-department-resignations-stack-up-leaders-sound-alarm-reaching-critical-mass CNN article- highlights shortages of police officers and notes KC in particular https://www.cnn.com/2022/07/19/us/police-staffing-shortages-recruitment/index.html	Already an approved Fast Track Program
Saint Louis University	43.0302	Emergency Management (UG & Cert)	Students will learn to administer aid and assistance to others, helping to ensure the resilience of your community in the face of disasters large and small. This comprehensive, multi-disciplinary program focuses on all sectors recognized by the Department of Homeland Security and the Federal Emergency Management Agency (FEMA), providing students with essential skills for careers in the emergency management sector.	Already an approved Fast Track Program
Saint Louis University	43.0406	Forensic Science (BS)	Forensic science is the scientific method of gathering and analyzing evidence. The forensic science major at Saint Louis University is an interdisciplinary program that employs the methods, tools and perspectives of biology, chemistry, anthropology, sociology, physics, mathematics and medicine to better understand the intersection of law and science.	Already an approved Fast Track Program
Evangel University	44.0000	Behavioral Health Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are identified as high-career grade / high-demand in Missouri.
Evangel University	44.0201	Humanitarian Relief and Development	All data taken from Missouri Occupational Outlook website	Associated occupations are not identified as high-career grade / high-demand in Missouri.
Southeast Missouri State U	49.01	Professional Pilot	Supporting Information: MERIC's Missouri Occupational Projections 2018-2028 report gives a Career Grade of B to Commercial Pilots. Southeast's Professional Pilot program gives students the opportunity to pursue opportunities as a Commercial Pilot as well as in several other aviation related areas. The program also complements Southeast's existing Unmanned Aircraft Systems program, which is already an approved Fast Track program at the University. With an average wage of \$93,420 it clearly falls within a high wage field. Additionally, daily there are more than 45,000 flights and 2.9 million airline passengers across more than 29 million square miles of airspace. According to a 2020-2029 Pilot Demand Outlook, the number of active pilots is expected to return to pre-pandemic levels in 2022. Just when retirements and attrition have thinned the ranks, there is currently an acute demand for pilots, resulting in an estimated immediate short-term need for approximately 27,000 new professional pilots. The Boeing 2021-2040 Pilot and Technician Outlook forecasts that between now and 2040, the aviation industry will need more than 2.1 million new aviation personnel — 612,000 commercial pilots, 626,000 maintenance technicians, and 886,000 cabin crew. Of note, according to the U.S Bureau of Labor Statistics, 76% of U.S. commercial airlines either required or preferred hiring a pilot with a 4-year college degree.	Associated occupations are identified as high-career grade / high-demand in Missouri. Employment of pilots in Missouri is relatively low, but First-Line Supervisors of Transportation and Material Moving Workers are also an associated high-demand occupation.
Evangel University	51.0000	Allied Health - Bachelor	All data taken from Missouri Occupational Outlook website	Associated occupations are not identified as high-career grade / high-demand in Missouri. Additional allied-health related programs are already approved.
Metropolitan Community	51.09	Emergency Medical Technician	The Metropolitan Community College offers the Emergency Medical Technician (EMT) course via our fire science cohort (fire academy) and as a stand-alone certification. As an approved program, this grant will allow potential students a financial pathway to complete the course. As an expected public service and due to unfilled vacancies, this certification will be in-demand for years to come. The program will be offered at our Public Safety Institute, which is currently under a state-of-the-art renovation (completion set for summer of 2023).	Already an approved Fast Track Program

Tab 12, Attachment A
Proposed 2023-2024 Fast Track Program Additions

			Does not require previous degree Columbia, Missouri	
Central Methodist University	51.38	Accelerated BSN program	This program leads to nursing licensure and is approved by the Missouri State Board of Nursing and CCNE. It is aligned to the traditional BSN curriculum and meets a high demand need for nurses in the region	Already an approved Fast Track Program
Central Methodist University	51.38	Bachelor of Science in Nursing (RN to BSN)	This program is a post licensure program, approved by CCNE, that allows for students to complete a BSN degree while working in the field. Students learn many higher order and critical thinking skills that they may use in the profession. This meets the need of achieving an eighty percent BSN workforce as recommended by the Institute of Medicine.	Already an approved Fast Track Program
Evangel University	51.3899	Healthcare Management Bachelor	All data taken from Missouri Occupational Outlook website	Already an approved Fast Track Program
Saint Louis University	52.0211	Project Management (UG & Cert)	Learn project strategy, contract management and project management math as you pursue industry certifications with the Bachelor of Science in Project Management program offered through Saint Louis University's School for Professional Studies. Project-based learning and class simulators will prepare you to promote the widespread applicability of the five basic project management processes as outlined in the PMBOK®: initiating, planning, executing, monitoring and controlling, and closing.	Already an approved Fast Track Program
Missouri State University	52.0701	Entrepreneurship	Missouri State's entrepreneurship program is too young to present statistics, but evidence from peer schools supports these answers. For example, Miami University's (Ohio) ENT student class of 2022 reported a total compensation average of \$67,463 and an average signing bonus of \$6,292. (Click career placement data). In short, ENT programs also prepare students to be successful managers and intrapreneurs – "An intrapreneur is an employee with entrepreneurial skills and is responsible for developing innovative ideas, products, or services for their company. Their goal is to enhance the sustainability of the business and help it stay ahead in the competition." https://www.wallstreetmojo.com/intrapreneur/ Entrepreneurship (ENT) programs help students develop critical thinking, leadership, teamwork, and the ability to network, among other fundamental power skills practitioners acknowledge. https://www.pmi.org/disciplined-agile/people/powerskills .	Associated occupations are identified as high-career grade / high-demand in Missouri.
Evangel University	52.0801	Finance - Bachelor	MERIC highlights the relevance of new business formation and entrepreneurial activity as major engines of prosperity – i.e., economic and job growth. In 2018, Greene County, home of Missouri State University, ranked among the state's top seven counties with a metric of 2.3+ new businesses per 1,000 residents. https://meric.mo.gov/media/pdf/new-business-formations MERIC projects 14.1% and 9.4% growth between 2020-30 in "management occupations" in the Ozark region and statewide, respectively. Both numbers are above the average for all occupations. Likewise, the "personal care and service occupations" category, which includes entrepreneurial pursuits, is projected to grow 19.2% and 15.9%, respectively. https://meric.mo.gov/workforce-research/occupational-projections	Already an approved Fast Track Program
Saint Louis University	52.1003	Leadership and Human Resource Management (BS)	All data taken from Missouri Occupational Outlook website Effectively leading and managing workers is one of the critical challenges for organizations and can be the basis of sustained competitive advantage. Leaders and human resource managers foster positive interpersonal relationships and organizational cultures. Saint Louis University's leadership and human resource management major at the Richard A. Chaifetz School of Business helps students develop the skills to effectively select, develop, reward and lead others.	Already an approved Fast Track Program
Saint Louis University	52.1301	Business Technology Management (BS)	The Bachelor of Science in Business Technology Management (BTM) offered by Saint Louis University's Richard A. Chaifetz School of Business is designed to prepare business students for careers managing technology within an organization. Students may also choose a concentration in analytics and enterprise systems.	Associated occupations are identified as high-career grade / high-demand in Missouri.
Northwest Missouri State	52.14	Professional Certificate in Digital Marketing + Marketer	This Digital Marketing program leads to two certifications (AMA and DMI) in the high-demand field of digital marketing. AMA and DMI are the two top digital marketing certifications across the globe. Digital marketing is ranked as one of the top in-demand jobs, which will be of great importance as Missouri's economy grows and businesses look to extend their reach into new markets. This program is delivered 100% online and can be started anytime. This comprehensive program includes social media content development, search engine optimization, pay per click ads with Google, YouTube and display advertising, email marketing, website optimization, analytics with Google analytics and digital marketing strategies.	Already an approved Fast Track Program
Saint Louis University	52.1403	International Business and Marketing (PhD)	Saint Louis University's doctoral program in international business and marketing is scholarly and research-based. It prepares students for academic careers in research, teaching and public service at institutions of higher learning. The program's goal is to provide students with an educational foundation that will enable them to contribute to the marketing and international business disciplines through the development, integration, and dissemination of knowledge.	Already an approved Fast Track Program
Evangel University	52.1499	Marketing Bachelor	All data taken from Missouri Occupational Outlook website	Already an approved Fast Track Program
Missouri State University	52.1701	Risk Management & Insurance (bachelor's degree), Insurance (certificate)	Per the MERIC website (https://meric.mo.gov/data/industry/industry-employment-projections) the employment projection for 524 - Insurance carriers and related activities is expected to increase from 62,087 to 67,376 (8.52%) in the next decade. Anecdotally, the majority of inquiries to the Finance and Risk Management Department from employers are related to seeking graduates from the Risk Management and Insurance program. There is a significant construction industry workforce shortage in both skilled trade and management occupations (Wall Street Journal, Forbes, Associated Builders & Contractors, Associated General Contractors, McKinsey & Company). The need for qualified Construction Managers (SOC Code 11-9021) in Missouri is expected to grow 14.9% by 2030 (MERIC) and 7.6% nationally by 2031 (Bureau of Labor and Statistics). These numbers exceed the employment change projections for all occupations combined at both the state and national levels. MERIC identifies Construction Managers as an "A" occupation grade and cites entry and median salaries as \$70,950 and \$93,570, respectively.	Associated occupations are identified as high-career grade / high-demand in Missouri.
Missouri State University	52.2001	Construction Management	In addition to the Construction Management profession, individuals who pursue a B.S. in Construction Management may also be employed in the following SOC Codes (national data for annual occupational openings between 2021-2031 shown in parenthesis): 11-9141 (33,300 openings/yr), 13-1051 (18,500 openings/yr), 41-9020 (54,800 openings/yr), 47-1011 (72,700 openings /yr), and 47-4011 (14,800 openings/yr).	Associated occupations are identified as high-career grade / high-demand in Missouri.
Saint Louis University	52.1003 / 52.0213	Leadership and Organizational Behavior (UG Degree)	Enhance your communication, critical thinking, problem-solving, and ethical decision-making skills as you prepare to lead a diverse workforce with a Bachelor of Arts in Leadership and Organizational Behavior offered through Saint Louis University's School for Professional Studies. Coursework in this program offers a unique combination of in-demand technical and soft skills so you can develop as a leader capable of identifying problems, motivating employees and implementing change.	Already an approved Fast Track Program

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Tab 12, Attachment B
2022-2023 Fast Track Program Area Listing

FY 2023 Fast Track Designated Program Areas

CIP Code CIP Title

01.01	Agricultural Business and Management.
01.06	Applied Horticulture and Horticultural Business Services.
01.08	Agricultural Public Services.
01.83	Veterinary/Animal Health Technologies/Technicians.
11.01	Computer and Information Sciences, General.
11.02	Computer Programming.
11.03	Data Processing.
11.04	Information Science/Studies.
11.05	Computer Systems Analysis.
11.07	Computer Science.
11.08	Computer Software and Media Applications.
11.09	Computer Systems Networking and Telecommunications.
11.10	Computer/Information Technology Administration and Management.
12.05	Culinary Arts and Related Services.
13.02	Bilingual, Multilingual, and Multicultural Education.
13.10	Special Education and Teaching.
13.12	Teacher Education and Professional Development, Specific Levels and Methods.
13.13	Teacher Education and Professional Development, Specific Subject Areas.
13.15	Teaching Assistants/Aides.
14.01	Engineering, General.
14.02	Aerospace, Aeronautical and Astronautical Engineering.
14.03	Agricultural Engineering.
14.04	Architectural Engineering.
14.05	Biomedical/Medical Engineering.
14.06	Ceramic Sciences and Engineering.
14.07	Chemical Engineering.
14.08	Civil Engineering.
14.09	Computer Engineering.
14.10	Electrical, Electronics and Communications Engineering.
14.11	Engineering Mechanics.
14.12	Engineering Physics.
14.13	Engineering Science.
14.14	Environmental/Environmental Health Engineering.
14.18	Materials Engineering.
14.19	Mechanical Engineering.
14.20	Metallurgical Engineering.
14.21	Mining and Mineral Engineering.
14.23	Nuclear Engineering.

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- 14.25 Petroleum Engineering.
- 14.27 Systems Engineering.
- 14.28 Textile Sciences and Engineering.
- 14.32 Polymer/Plastics Engineering.
- 14.33 Construction Engineering.
- 14.34 Forest Engineering.
- 14.35 Industrial Engineering.
- 14.36 Manufacturing Engineering.
- 14.37 Operations Research.
- 14.38 Surveying Engineering.
- 14.39 Geological/Geophysical Engineering.
- 14.40 Paper Science and Engineering.
- 14.41 Electromechanical Engineering.
- 14.42 Mechatronics, Robotics, and Automation Engineering.
- 14.43 Biochemical Engineering.
- 14.44 Engineering Chemistry.
- 14.45 Biological/Biosystems Engineering.
- 15.01 Architectural Engineering Technologies/Technicians.
- 15.02 Civil Engineering Technologies/Technicians.
- 15.03 Electrical Engineering Technologies/Technicians.
- 15.04 Electromechanical Instrumentation and Maintenance Technologies/Technicians.
- 15.05 Environmental Control Technologies/Technicians.
- 15.06 Industrial Production Technologies/Technicians.
- 15.07 Quality Control and Safety Technologies/Technicians.
- 15.08 Mechanical Engineering Related Technologies/Technicians.
- 15.09 Mining and Petroleum Technologies/Technicians.
- 15.10 Construction Engineering Technologies.
- 15.11 Engineering-Related Technologies.
- 15.12 Computer Engineering Technologies/Technicians.
- 15.13 Drafting/Design Engineering Technologies/Technicians.
- 15.14 Nuclear Engineering Technologies/Technicians.
- 15.15 Engineering-Related Fields.
- 15.16 Nanotechnology.
- 15.17 Energy Systems Technology/Technicians.
- 19.07 Human Development, Family Studies, and Related Services.
- 22.03 Legal Support Services
- 26.12 Biotechnology.
- 27.03 Applied Mathematics.
- 30.16 Accounting and Computer Science.
- 43.01 Criminal Justice and Corrections.
- 43.02 Fire Protection.
- 43.03 Homeland Security.

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2022-2023 Fast Track Program Area Listing

- 43.04 Security Science and Technology.
- 44.07 Social Work.
- 45.07 Geography and Cartography.
- 46.02 Carpenters.
- 46.03 Electrical and Power Transmission Installers.
- 46.04 Building/Construction Finishing, Management, and Inspection.
- 46.05 Plumbing and Related Water Supply Services.
- 47.02 Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician.
- 47.03 Heavy/Industrial Equipment Maintenance Technologies.
- 47.06 Vehicle Maintenance and Repair Technologies.
- 48.05 Precision Metal Working.
- 49.02 Ground Transportation.
- 51.06 Dental Support Services and Allied Professions.
- 51.07 Health and Medical Administrative Services.
- 51.08 Allied Health and Medical Assisting Services.
- 51.09 Allied Health Diagnostic, Intervention, and Treatment Professions.
- 51.10 Clinical/Medical Laboratory Science/Research and Allied Professions.
- 51.15 Mental and Social Health Services and Allied Professions.
- 51.22 Public Health
- 51.26 Health Aides/Attendants/Orderlies.
- 51.32 Health Professions Education, Ethics, and Humanities.
- 51.38 Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing.
- 51.39 Practical Nursing, Vocational Nursing and Nursing Assistants.
- 52.01 Business/Commerce, General.
- 52.02 Business Administration, Management and Operations.
- 52.03 Accounting and Related Services.
- 52.08 Finance and Financial Management Services.
- 52.09 Hospitality Administration/Management.
- 52.10 Human Resource Management and Services
- 52.12 Management Information Systems and Services
- 52.14 Marketing