JOHNSON COUNTY
COMMUNITY COLLEGE®

Information Technology

University of Missouri - Columbia

Johnson County Community College Transfer Program to the University of Missouri - Columbia	Engineering Advising Office
College of Engineering	(573) 884-6961
Information Technology, BS	muengradvising@missouri.edu
Academic Year 2025-2026	https://catalog.missouri.edu/collegeofengineering/informationtechnology/bs-information-technology/

Program Description

Information Technology (IT) students engage and collaborate with other disciplines to create software applications, design and manage technology-based infrastructures, manage database systems, develop web applications, build networks, implement cyber security, and use technology to solve a wide range of complex problems. This traditional IT core competencies are supplemented by a range of technical electives in a range of topics including virtual environments, augmented reality, digital media systems and post production processes, and 2D/3D animation. The program finishes with a one-semester highly collaborative capstone course, in which students complete design projects that serve as a culminating academic experience. As IT is a growing international field, the IT Program proudly offers as often as possible international study abroad courses. Internships with companies for real-world experience and undergraduate research opportunities with faculty are abundant and encouraged. The MU Engineering Career Services can assist students in searching for employment opportunities and for internship/co-op positions. Students are prepared to pursue a variety of IT related careers in today's evolving markets of programmer analyst, software engineer, wed developers, database administration, digital media post production specialists, VR/AR environment designers, all within both public and private sectors. Our program is designed to cater to your interests, as well as the ever-changing high-demand industry our students enter upon graduation.

Major Program Requirements - To receive the Bachelor of Science Degree in Information Technology, the candidate must successfully complete 120 semester hours of credit including the following distribution: 36 hours of INFOTC core courses, 30 hours of INFOTC technical electives or equivalent Computer Science (CMP_SC) courses, 9 hours of related math, 10 hours of science, 9-16 hours of courses in a possible minor and any remaining hours for elective courses approved by the IT program Director of Undergraduate Studies. General education courses include ENGLSH 1000, 9 hours of Social/Behavioral Sciences and 9 hours of Humanities/Fine Arts, with at least one course from Social/Behavioral/Humanities at the 2000 level or higher.

Information Technology students must earn a "C-" range grade or better in all INFOTC/CMP_SC courses that are prerequisites for other INFOTC/CMP_SC courses that the student takes. To graduate, a student must earn a cumulative UM grade point average of 2.0 or better and a 2.0 grade point average or better in all INFOTC/CMP_SC courses.

In addition to the major core requirements, students must complete all University graduation requirements (https://catalog.missouri.edu/academicdegreerequirements/universityrequirements/) including University general education (https://catalog.missouri.edu/academicdegreerequirements/generaleducationrequirements/), as well as all degree and college or school requirements. See course descriptions for prerequisites.

Visit the JCCC/MU General Education guide (https://www.jccc.edu/student-resources/transfer/files/transfer-guides/mu-gen-ed-reqs.pdf) for equivalent courses.

Transfer Students -

Students wishing to transfer to MU from an accredited college or university are subject to University regulations described in this catalog. The College of Engineering cooperates with many colleges through articulation agreements that help students transfer to MU with maximum ease and minimum loss of credits. A student may contact the College of Engineering Admissions Office to determine if their home institution participates in an agreement with the College of Engineering. Students who have completed all courses specified in the articulation agreement will be admitted into their desired degree program. All other transfer students are admitted on program discretion. Typically, transfer students with freshmen status must satisfy the same requirements as students entering college for the first time. Other students are admitted only after review of their transcript.

To be recommended for a BS degree from the College of Engineering, a student transferring from an accredited institution must complete at least 30 upper-level credits in the degree program at a UM System campus. At least 21 of the 30 credits must be upper-level engineering courses approved by the department awarding the degree. A student transferring with senior standing from another UM System campus must complete the last 15 credits in residence on the campus where the degree program is located. Twelve of these 15 credits must be in engineering and approved by the department awarding the degree.

Any student whose enrollment in any college-level academic program resulted in dismissal, departure or who is on probation will not be admitted to the College of Engineering.

International Admission -

International undergraduate students interested in studying in the College of Engineering can visit the MU Office of International Admissions (https://admissions.missouri.edu/apply/international/) for information on academic and English language admission requirements. Any questions regarding international student admissions (https://catalog.jccc.edu/transferadmin/192/inter@missouri.edu) can be directed to that office.

GPA Requirements for Graduation from the College of Engineering:

- GPA of record of at least 2.0
- GPA of at least 2.0 in all engineering courses offered by one of the four campuses of the UM System. "Engineering courses" include all courses that are offered through the College of Engineering or its equivalent on the four campuses, or that have "Engineering" in the curricular designator. Only the last grade in a repeated course will be used in the calculation.

Information Technology Transfer Requirements:

Core requirements

Course Code Code	Course Title Title	Course Hours Hours	Transfer Code	Transfer Title	Transfer Hours
CS 134	Programming Fundamentals	4	INFOTC 1040	Intro Problem Solv/ Programming	3
ENGL 122	Composition II*	3	ENGLSH 100		
ENGR 121	Engineering Orientation	2	ENGINR 1000	Introduction to Engineering	1
MATH 231	Business and Applied Calculus I*	3	MATH 1400	Calculus for Social and Life S	3
MATH 285	Statistics for Business*	4	STAT 2500	Intro to Probability Stat I	3
Visit the JCCC/MU General Education guide for JCCC equivalents. Humanities/Fine Arts courses		9			
Visit the JCCC/MU General Education guide for JCCC equivalents. Social Science/ Behavioral Science courses (at least one course from the 2000 level or higher)		9			

* JCCC course has a prerequisite or corequisite.

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