



USING THIS GUIDE:

This guide has been published to assist students in preparing for transfer to Webster University from East Central College in the areas of Computer Science, Data Analytics, Mathematics, and Management Information Systems. This should not be used in place of individual academic advising. Students are strongly encouraged to meet with a Webster University transfer admissions counselor early in their academic career to ensure a smooth transfer experience.

DEPARTMENT OF MATH & COMPUTER SCIENCE DEGREES & MAJORS:

	<i>Required Credits in Major:</i>
B.S. Computer Science (no emphasis)	51 credits
B.S. Computer Science with an emphasis in Cybersecurity	54 credits
B.S. Data Analytics <i>(available as online degree completion program)</i>	36 credits
B.S. Mathematics	51 credits
B.S. Mathematics (Pre-Engineering)	48 credits
B.S. Management Information Systems	57 credits

WEBSTER ADMISSION REQUIREMENTS:

When considering an application, Webster looks for evidence of potential for academic success. A cumulative GPA on all college level coursework of at least 2.5 on a 4.0 scale is preferred; however, each applicant is given individual consideration. If you have circumstances which might affect your admission this may be discussed confidentially with a member of the admissions staff. The University operates on rolling admission, and application files are reviewed by an admissions counselor as soon as all requested credentials have been received.

Each transfer applicant must submit:

- A completed [Application for Admission](#)
- \$35.00 non-refundable application fee
- An official transcript from East Central College, and an official transcript from all other postsecondary institutions previously attended mailed to:

Webster University
Office of Admission
470 East Lockwood Avenue
St. Louis, MO 63119

WEBSTER DEGREE REQUIREMENTS:

A minimum of **128** credit hours consisting of the following:

- Applicable University Global Citizenship Program hours
- Required credit hours for the Major
- Electives

IMPORTANT TRANSFER NOTES:

- Webster has a minimum residency requirement that 30 of the student's last 36 credits must be taken at Webster University. All students must have a minimum of 128 credit hours to graduate.

- The Department of Mathematics & Computer Science requires that all upper-level (3000-4000) courses must be taken at Webster University.
- For Data Analytics majors, at least 18 of the required 36 credit hours must be taken at Webster University.
- For Mathematics majors, at least 30 of the required 51 mathematics credit hours must be taken at Webster University.
- For Mathematics (pre-engineering) majors, at least 30 of the required 48 mathematics credit hours must be taken at Webster University.
- Computer science courses taken more than 5 years ago will be reviewed by the academic department on a course-by-course basis to determine if they may apply toward requirements of the major.
- Students must earn a grade of C- or better in any course they wish to apply toward their major or general education/GCP.
- Webster University provides full transfer of coursework successfully completed as part of an associate degree awarded by a regionally accredited institution. While students with associate degrees typically transfer 60-64 credit hours, Webster will transfer in all coursework that is part of the completed associate degree. Transfer of additional lower-division credit beyond the associate degree is restricted. All transfer credit is capped at 98 credit hours.
- All transfer coursework must be college-level (100-level or above) with a passing grade. Pass/Fail courses will count for transfer credit if the student received a Pass. For repeated courses only the second grade will be counted. Incomplete grades are not accepted in transfer. Courses completed with a grade of D have severe transfer restrictions. Formal evaluation of transfer credit is conducted by the Office of the Registrar upon admission to the University.

MISSOURI REVERSE TRANSFER:

Webster University is participating in the [Missouri Reverse Transfer](#) statewide initiative to help more Missourians earn associate degrees. Webster has partnered with each community college in the state to help students apply Webster University credit back to the community college to earn the associate degree, if they transferred prior to earning the degree. Please speak with your transfer admissions counselor or academic advisor for more information.

GENERAL EDUCATION/GLOBAL CITIZENSHIP PROGRAM:

Webster University requires all baccalaureate students to complete a general education program. The Global Citizenship Program (GCP) is a set of undergraduate degree requirements and a general education program developed by Webster University faculty to help prepare students to confront global problems and 21st century challenges.

Students who complete an Associate of Arts (AA) degree or the CBHE-approved block of general education before transferring to Webster University will have satisfied the general education requirements and FRSH 1200 First Year Seminar requirement of the GCP. All students are required to take the Global Keystone Seminar at Webster.

Students completing other associate degrees will have previous credits reviewed on a course-by-course basis for applicability to the GCP. *See GCP Transfer Guide developed for East Central College.*

COURSE EQUIVALENCIES FOR REQUIRED CORE COURSES--- MATHEMATICS & MATHEMATICS (PRE-ENGINEERING)*:

Webster University Course	East Central College Course Equivalent
MATH 1610 Calculus I	MTH 190 Analytic Geometry & Calculus I
MATH 1620 Calculus II	MTH 210 Analytic Geometry & Calculus II

**Students planning on pursuing the Mathematics (Pre-Engineering) degree should consult with a faculty member within the department of Math & Computer Science at Webster University. Requirements may vary depending on interested engineering degree.*

COURSE EQUIVALENCIES FOR REQUIRED CORE COURSES--- COMPUTER SCIENCE & COMPUTER SCIENCE WITH CYBERSECURITY:

Webster University Course	East Central College Course Equivalent
COSC 1550 Computer Programming I	<i>No Equivalent</i>

COSC 1560 Computer Programming II	<i>No Equivalent</i>
COSC 1570 Math for Computer Science I	<i>No Equivalent</i>
COSC 2610 Operating Systems	<i>No Equivalent</i>
COSC 2670 Telecommunications	<i>No Equivalent</i>
COSC 2810 Systems Analysis and Design	<i>No Equivalent</i>

COURSE EQUIVALENCIES FOR REQUIRED CORE COURSES--- DATA ANALYTICS:

Webster University Course	East Central College Course Equivalent
STAT 1100 Descriptive Statistics	MTH 150 Statistics
MATH 1360 Business Mathematics	MTH 102 Business Mathematics

COURSE EQUIVALENCIES FOR REQUIRED CORE COURSES--- MANAGEMENT INFORMATION SYSTEMS:

Webster University Course	East Central College Course Equivalent
ACCT 2010 Financial Accounting	ACC 101 Financial Accounting I and ACC 102 Financial Accounting II
ACCT 2025 Managerial Accounting	ACC 110 Managerial Accounting
ECON 2000 Survey of Economics	ECO 101 Principles of Macroeconomics <i>AND</i> ECO 102 Principles of Microeconomics
MNGT 2100 Management Theory and Practice	BUS 151 Fundamentals of Management
STAT 1100 Descriptive Statistics	MTH 150 Statistics

ADDITIONAL COURSE EQUIVALENCIES:

Consult a current [Webster University catalog](#) for the specific requirements of your major before selecting additional courses. **Not all courses apply to all majors/emphases.**

Webster University Course	East Central College Course Equivalent
ACCT 2010 Financial Accounting	ACC 101 Financial Accounting I and ACC 102 Financial Accounting II
ACCT 2025 Managerial Accounting	ACC 2025 Managerial Accounting
COAP 2000 Introduction to Web Programming	CIS 127 Internet Programming
COSC 2110 Computer Languages	CIS 129 C# Programming
ECON 2000 Survey of Economics	ECO 101 Principles of Macroeconomics <i>AND</i> ECO 102 Principles of Microeconomics
MNGT 2100 Management Theory and Practices	BUS 151 Fundamentals of Management
PHYS 2030 University Physics I	PHY 211 General Physics I Lecture
PHYS 2031 University Physics I Lab	PHY 212 General Physics I Lab
PHYS 2040 University Physics II	PHY 221 General Physics II Lecture
PHYS 2041 University Physics II Lab	PHY 222 General Physics II Lab

ELECTIVES:

Elective hours can consist of any college-level courses that are not already being applied to the major or general education requirements of the degree. Many students may choose to obtain a minor out of the required elective hours. Please note that all coursework applied to a minor must be completed at Webster University, with a grade of C- or better.

Webster University reserves the right to correct errors in these listings or to make revisions in degree requirements or course equivalencies without prior notice.