DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE TRANSFER GUIDE

2018-2019

Webster UNIVERSITY & LEWIS&CLARK COMMUNITY COLLEGE

USING THIS GUIDE:

This guide has been published to assist students in preparing for transfer to Webster University from Lewis & Clark Community 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:

	Required Credits in Major:
B.S. Computer Science (no emphasis)	51 credits
B.S. Computer Science with an emphasis in Cybersecurity	54 credits
B.S. Data Analytics *(available as online degree completion)*	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 Lewis & Clark Community 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.

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, Associate of Science (AS) degree, or the Illinois Articulation Initiative (IAI) General Education Core Curriculum 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 Lewis & Clark Community College.*

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

Webster University Course	Lewis & Clark Course Equivalent
MATH 1610 Calculus I	MATH 171 Calculus and Analytic Geometry I
MATH 1620 Calculus II	MATH 172 Calculus and Analytic Geometry II
COSC 1550 Computer Programming I	CIS 235 C++ Programming Language I **
COSC 1560 Computer Programming II	CIS 236 C++ Programming Language 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.*

***If the student is pursuing a degree program that will require the completion of both COSC 1550 & COSC 1560, than the student must successfully complete COSC 1550 with a grade of B- or better.*

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

Webster University Course	Lewis & Clark Course Equivalent
COSC 1550 Computer Programming I	CIS 235 C++ Programming Language I *Must be completed with a grade of B- or better.*
COSC 1560 Computer Programming II	CIS 236 C++ Programming Language II *Must be completed with a grade of B- or better.*
COSC 2810 Systems Analysis and Design	CIS 144 Systems Analysis and Design

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

Webster University Course	Lewis & Clark Course Equivalent
STAT 1100 Descriptive Statistics	MATH 145 General Education Statistics *or* MATH 235 Statistics
MATH 1360 Business Mathematics	MATH 129 Business Mathematics

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

Webster University Course	Lewis & Clark Course Equivalent
COSC 1550 Computer Programming I	CIS 235 C++ Programming Language I *Must be completed with a grade of B- or better.*
COSC 1560 Computer Programming II	CIS 236 C++ Programming Language II
COSC 2810 Systems Analysis and Design	CIS 144 Systems Analysis and Design
ACCT 2010 Financial Accounting	ACCT 131 Financial Accounting
ACCT 2025 Managerial Accounting	ACCT 132 Managerial Accounting
ECON 2000 Survey of Economics	ECON 131 Introduction to Economics
MNGT 2100 Management Theory and Practices	MGMT 237 Fundamentals of Management
STAT 1100 Descriptive Statistics	MATH 145 General Education Statistics *or* MATH 235 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	Lewis & Clark Course Equivalent
ACCT 2010 Financial Accounting	ACCT 131 Financial Accounting
ACCT 2025 Managerial Accounting	ACCT 132 Managerial Accounting
COSC 2050 Java Programming	CIS 210 Introduction to Java Programming
ECON 2000 Survey of Economics	ECON 131 Introduction to Economics
MNGT 2100 Management Theory and Practices	MGMT 237 Fundamentals of Management
PHYS 2030 University Physics I PHYS 2031 University Physics I Lab	PHYS 141 General Physics I
PHYS 2040 University Physics II PHYS 2041 University Physics II Lab	PHYS 142 General Physics II

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.