

LEWIS & CLARK COMMUNITY COLLEGE TO THE - UNIVERSITY OF MISSOURI – ST. LOUIS BACHELOR OF SCIENCE IN - CIVIL ENGINEERING TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from Lewis & Clark Community College (LC) to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Engineering through the UMSL/Washington University (WUSTL) Joint Engineering Program. This guide is intended for use under advisement of a UMSL Transfer Coordinator. Students also have the option to pursue an Associate in Science at Lewis & Clark prior to transferring to UMSL although it is not the recommended option.

The UMSL/WUSTL Joint Engineering Program offers UMSL students the opportunity to pursue a variety of engineering degree options while taking advantage of the resources, facilities, and faculty provided at WUSTL. The upper-division engineering courses are offered in the evening and on Saturdays on the WUSTL campus and are taught by the WUSTL faculty. This schedule permits students to co-op during the day at local engineering firms. Tuition for the engineering courses is the UMSL tuition rate with a small additional fee. Students of this program are also able to utilize student services provided by both institutions. For more information on the UMSL/WUSTL Joint Engineering Program, please visit their website.

PRE-ENGINEERING SEQUENCE

The following requirements must be completed for a student to be eligible to take formal Engineering courses through the UMSL/ WUSTL Joint Engineering Program. These requirements may be completed at either UMSL or LC and included here are any LC courses that fulfill corresponding requirements. Unless stated otherwise, all pre-engineering courses must be completed with a C- grade or higher to fulfill the requirements of this program.

- A student must earn a 2.5 GPA over this sequence of pre-engineering courses.
- Chemistry - CHEM 141 General Chemistry I (5)
- Calculus I, completed with a C grade or higher - MATH 171 Calculus And Analytic Geometry I (5)
- Calculus II - MATH 172 Calculus & Analytic Geometry II (5)
- Calculus III - MATH 271 Calculus And Analytic Geometry III
- Differential Equations - MATH 272 Differential Equations
- Calculus-Based Physics I - PHYS 141 General Physics I (5)
- Calculus-Based Physics II - PHYS 142 General Physics II (5)
- Engineering-Statics - PHYS 241 Applied Mechanics - Statics (3)
- Engineering-Dynamics - PHYS 242 Applied Mechanics - Dynamics (3)
- Geology - PHSC 131 Physical Geography (4)

**It is recommended that students who are undecided about which engineering program to choose to postpone taking Geology 1001A until they decide. This course is not required in order to enter the second half of the program, so it can be taken during the second half of the program.*

GENERAL EDUCATION

The following are the general education requirements of the UMSL/WUSTL Joint Engineering Program. It is recommended that the student complete these requirements while completing those above in the pre-engineering sequence.

- First-Year Writing - Complete 1 course from the following with C- grade or higher:
 - ENGL 131 First-Year English I (3)
 - ENGL 132 First-Year English II (3)
- Engineering Ethics - This course must be completed at UMSL.
- Philosophy of Science - This course must be completed at UMSL.
- American History - Complete 1 course from the following:
 - HIST 231 American Republic: Beginnings - 1877 (3)
 - HIST 232 American Nation: 1877 - Present (3)
- Cultural Diversity Social Science - ANTH 232 Cultural Anthropology (3)
- Complete two additional courses in Social Sciences.

For any questions regarding this guide please contact the UMSL Office of Admissions at 314-516-5451 or by email at admissions@umsl.edu



OFFICE OF ADMISSIONS
351 Millennium Student Center
1 University Blvd.
314-516-5451
888-GO-2-UMSL
admission@umsl.edu
umsl.edu