

LEWIS & CLARK COMMUNITY COLLEGE TO THE - UNIVERSITY OF MISSOURI – ST. LOUIS BACHELOR OF SCIENCE IN - MECHANICAL 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 Mechanical 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.

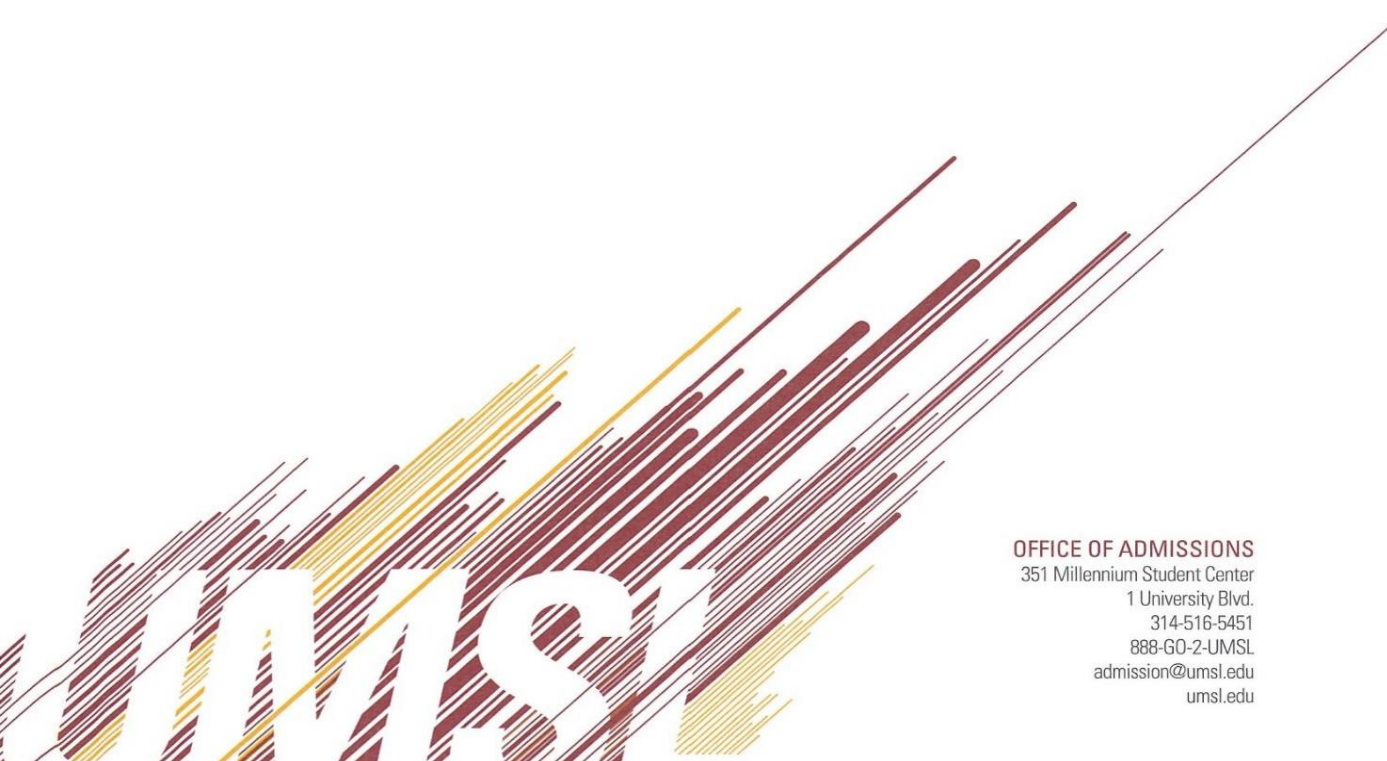
- A student must earn a 2.5 GPA over this sequence of pre-engineering courses.
- Chemistry - CHEM 141 General Chemistry I (5)
- Calculus I, completed with a C grade or higher - MATH 171 Calculus And Analytic Geometry I (5)
- Calculus II - MATH 172 Calculus & Analytic Geometry II (5)
- Calculus III - 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)

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



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