

UNIVERSITY OF MISSOURI – ST. LOUIS

JEFFERSON COLLEGE

TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from Jefferson College (JC) 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 Jefferson College 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 evenings and on Saturdays on the WUSTL campus and are taught by 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](#).

****Important Note – The University of Missouri – St. Louis through our Joint Engineering Program offers Bachelor’s degrees in Civil, Electrical, and Engineering. This guide, unless stated below, will work for all three program.**

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 Jefferson College and included here are any Jefferson College course 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 2.75 GPA over this sequence of pre-engineering courses.
- CHM 111/(H) General Chemistry I (MOTR CHEM 150L) (5)
- MTH 180 Calculus I, completed at C grade or higher (5)
- MTH 185 Calculus II (5)
- MTH 201 Calculus III (5)
- MTH 205 Differential Equations (3)
- PHY 223 General Physics I (MOTR PHYS 200L) (5)
- PHY 224 General Physics II (5)
- EGR 228 Engineering Mechanics-Statics (3)
- EGR 250 Engineering Mechanics-Dynamics (3)
- PHY 105 Physical Geology (MOTR GEOL 100L) (4) ****Geology is required only for Civil Engineering**

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. Included here are any STLCC courses that fulfill corresponding requirements.

- First-Year Writing – Complete 1 course from the following with a C- grade or higher
 - ENG 101 English Composition I (MOTR ENGL 100) (3)
 - ENG 102 English Composition II (MOTR ENGL 200) (3)
- Engineering Ethics – This course must be completed at UMSL.
- Philosophy of Science – This course must be completed at UMSL.
- Complete 1 of the following courses (American History)
 - HST 103 U.S. History I to Reconstruction (MOTR HIST 101) (3)
 - HST 104 U.S. History II to Reconstruction (MOTR HIST 102) (3)
- Cultural Diversity – SOC 115 Cultural Anthropology (MOTR ANTH 201) (3)
- Complete 2 additional courses in Social and Behavioral Sciences from MOTR list (3)

For any questions regarding this guide please contact the UMSL Office of Admissions



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