BACHELOR OF SCIENCE IN CIVIL ENGINEERING

UNIVERSITY OF MISSOURI – ST. LOUIS &
ST. LOUIS COMMUNITY COLLEGE
TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from St. Louis Community College (STLCC) to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Civil 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 STLCC prior to transferring to UMSL, though 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.

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 STLCC and included here are any STLCC 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 2.75 GPA over this sequence of pre-engineering courses.
☐ Chemistry - CHM 105 General Chemistry I (5)
☐ Calculus I, completed a C grade or higher - MTH 210 Analytic Geometry & Calculus I (5)
☐ Calculus II - MTH 220 Analytic Geometry & Calculus II (5)
☐ Calculus III - MTH 230 Analytic Geometry & Calculus III (5)
☐ Differential Equations - MTH 240 Differential Equations (3)
☐ Calculus-Based Physics I - PHY 122 Engineering Physics I (5)
☐ Calculus-Based Physics II - PHY 223 Engineering Physics II (5)
☐ Engineering-Statics - ESC 203 Engineering Mechanics I (3)
☐ Engineering-Dynamics - ESC 204 Engineering Mechanics II (3)
☐ Geology - Complete 1 course from the following:
   GEG 103 Physical Geography (3)
   GEO 100 Earth Science (3)
   GEO 111 Physical Geology (5)

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 C- grade or higher:
   ENG 101 College Composition I (3)
   ENG 102 College Composition II (3)

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Bachelor of Science in Civil Engineering

- 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:
  - HST 101 United States History to 1865 (3)
  - HST 102 United States History from 1865 to the Present (3)
- Humanities - Complete 1 of the following courses in addition to those already completed for above requirements:
  - Any ENG Courses numbered 110 or Above
  - Any HUM Courses
  - Any MUS Courses (Exceptions: Not MUS 150, 152, 153, 154 or 254)
  - Any THT Courses
    - ARC 114 Architectural History and Theory (3)
    - ARC 126 Architectural History I (3)
    - ARC 127 Architectural History II (3)
    - ART 100 Art Appreciation (3)
    - ART 101 Art History I (3)
    - ART 102 Art History II (3)
    - ART 103 History of Modern Art (3)
    - ART 128 Survey of African American Art (3)
    - ART 153 History of Cultural Environments I (3)
    - ART 168 History of Photography (3)
    - ART 254 History of Cultural Environments II (3)
- Cultural Diversity Social Science - Complete 1 course from the following:
  - ANT 102 Introduction to Cultural Anthropology (3)
  - ANT 202 Ethnography: North American Indians (3)
  - HST 130 African History I (3)
  - HST 201 History of the Far East (3)
  - HST 205 The United States and the Middle East, 1776-Present (3)
  - IDS 103 Topics in Arab Culture (3)
  - IDS 112 Sex Trafficking in Global Perspective (3)
- Additional Social Science - Complete 1 of the following courses in addition to those already completed for above requirements:
  - Any ANT Courses
  - Any CRJ Courses (Exceptions: Not CRJ 209, CRJ 211, CRJ 214, CRJ 215, and CRJ 216)
  - Any ECO Courses
  - Any HST Courses
  - Any HMS Courses
  - Any PSC Courses
  - Any PSY Courses
  - Any SOC Courses
  - Any WMS Courses
    - BUS 104 Introduction to Business Administration (3)
    - BLW 201 Legal Environment of Business (3)
    - COM 114 Oral Interpretation of Literature (3)
    - COM 200 Communication Between Cultures (3)
    - FIN 100 Personal Finance (3)
    - GEG 101 Regional Geography (3)
    - GEG 106 World Geography (3)
    - IDS 102 Urban Legends and American Society (3)
    - IDS 103 Topics in Arab Culture (3)
    - IDS 112 Sex Trafficking in Global Perspective (3)
    - IDS 116 Historical, Social, and Cultural Constructions of Youth (3)
    - IDS 117 Sport and Society (3)
    - MCM 101 Intro to Mass Communications (3)
    - MCM 120 Introduction to Broadcasting (3)
    - MCM 121 Television Production (3)
    - MCM 123 Broadcast Journalism (3)
    - MCM 124 Radio Production (3)
    - MCM 140 Introduction to Advertising (3)
    - MCM 201 Media Internship I (3)
    - MCM 202 Media Internship II (3)

For any questions regarding this guide please contact the UMSL Office of Transfer Services at (314) 516-5162.

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