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 Electrical 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)

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)
  - ENG 104 Honors College Composition I (3)
  - ENG 105 Honors College Composition II (3)
- Engineering Ethics - This course must be completed at UMSL.
- Philosophy of Science - This course must be completed at UMSL.

The information in this Transfer Guide is in accordance with the published 2015-2016 Course Catalogs of both UMSL and STLCC.
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- 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)

- Communication Proficiency - Complete 1 course from the following:
  - COM 101 Oral Communication I (3)
  - COM 102 Oral Communication II (3)
  - COM 104 Persuasion (3)
  - COM 107 Public Speaking (3)
  - COM 201 Interpersonal Communication (3)
  - THT 108 Acting I (3)

- Humanities - Complete 1 of the following courses in addition to those already completed for above requirements:
  - Any ENG Course numbered 110 or Above
  - Any HUM Course
  - Any MUS Course (Exceptions: Not MUS 150, 152, 153, 154 or 254)
  - Any THT Course
  - ARC 114 Architectural History and Theory (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 153 History of Cultural Environments I (3)
  - ART 168 History of Photography (3)
  - ART 254 History of Cultural Environments II (3)
  - AT 204 Comic Book Illustration I (3)
  - AT 242 History of Graphic Communications (3)
  - COM 111 Voice and Articulation (3)
  - COM 200 Communication Between Cultures (3)
  - MCM 115 Acting for the Camera (3)
  - MCM 120 Introduction to Broadcasting (3)
  - MCM 123 Broadcast Journalism (3)
  - MCM 124 Radio Production (3)
  - MCM 130 Film Appreciation (3)
  - MCM 131 History of Film (3)
  - MCM 136 Introduction to Multimedia (3)
  - MCM 140 Introduction to Advertising (3)
  - MCM 201 Media Internship I (3)
  - MCM 202 Media Internship II (3)
  - SPA 206 Advanced Spanish Conversation and Composition (3)

- Cultural Diversity Social Science - Complete 1 course from the following:
  - ANT 102 Introduction to Cultural Anthropology (3)
  - ANT 105 Foundations of Archeology (3)
  - ANT 201 North American Archeology (3)
  - ANT 202 Ethnography: North American Indians (3)
  - ANT 205 Cultural Context of Early Christianity (3)
  - ANT 206 The Incan, Aztec, & Mayan Cultures (3)
  - ANT 207 Ancient Civilization of the Old World (3)
  - GEG 100 Regional Geography: Eastern World (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)
  - IDS 116 Historical, Social, and Cultural Constructions of Youth (3)

- Additional Social Science - Complete 1 of the following courses in addition to those already completed for above requirements:
  - Any ANT Course
  - Any CRJ Course (Exceptions: Not CRJ 209 or CRJ 211)
  - Any ECO Course
  - Any HST Course
  - Any HMS Course
  - Any PSC Course
  - Any PSY Course
  - Any SOC Course
  - 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 100 Regional Geography: Eastern World (3)
  - GEG 101 Regional Geography: Western World (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)
  - IDS 118 Urban Legends and American Society (3)
  - MCM 101 Intro to Mass Communications (3)
  - MCM 120 Introduction to Broadcasting (3)
  - MCM 130 Film Appreciation (3)
  - MCM 136 Introduction to Multimedia (2)
  - MCM 140 Introduction to Advertising (3)
  - MCM 201 Media Internship I (3)
  - MCM 202 Media Internship II (3)
  - WMS 100 Introduction to Women’s Studies (3)
  - WMS 101 Introduction to Women's Studies (3)

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

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