

2018 - 2019

IVCC Transfer Guide for Engineering Majors

For information on Colleges or Universities not listed here, see a counselor. Several private colleges have evaluated IVCC course work for transfer, this includes DePaul, Bradley, Loyola, Monmouth, North Central and Eureka.

UNIVERSITY	OPTIONS AVAILABLE WITHIN DEPARTMENT	MINIMUM GPA REQUIRED	MAJOR COURSES REQUIRED FOR TRANSFER
NORTHERN ILLINOIS UNIVERSITY	<ul style="list-style-type: none"> • Industrial & Systems Management Health & Systems Manufacturing • Mechanical Computing & Simulation Sustainable Energy Mechatronics & Robotics • Electrical Elect. & Computer Biomedical • Technology (see to right) 	<p style="text-align: center;">2.0 BS track 90 hours</p> <p style="text-align: center;">3.0 required to apply to BS/MS or the BS/JD tracks</p>	<p>*2.3 GPA in the following: CHM 1006, ENG 1001, 1002, MTH 2001, 2002, 2003, 2007, PHY 1001, 2001 & 2002, CSI 1011 (appeal to use as CSC1240). Students should have a minimum of 9 hours of Humanities and Fine Arts, 6 hours of social science and one of the following ALH 1002, GEN 2000, HSR 1000, JRN 1001 along with the A.A. or A.S. degree. *Human Diversity course required for this major, choose from NIU Equiv. guide. Industrial & Systems: TAM 2001, PSY 1000, ELT 1204, EGR 1000 (ACT1010, 1020, ECN 2002 for Management) Electrical: TAM 2001, MTH 2003, 2007, ELT 2204 Mechanical: TAM 2001, EGR 1000, MTH 2007, 2005. BS/MS track is 5 years: 90 credits and 3.0 GPA to apply Technology: Areas include Electrical, Manufacturing, Industrial, Energy and Applied Manufacturing. See the Industrial/Engineer Tech guide sheet. The Applied Manufacturing option guides are attached to the AAS degrees and is a 90+30 option BS in Biomedical and Mechatronics coming in 2018-19. http://www.niu.edu/CEET/</p> <p style="text-align: right;">3/18</p>
SOUTHERN ILLINOIS UNIVERSITY	<p><u>B.S. - College of Engineering</u></p> <ul style="list-style-type: none"> • Civil (Environmental specialization available) • Computer • Computer/Electrical Dual Major • Electrical (Biomedical and Power/Energy specializations) • Mechanical 	<p style="text-align: center;">2.0</p> <p style="text-align: center;">“C” or better in Math, Science, English courses</p>	<p>Civil/Environmental: CHM 1006, 1007; ECN 2002; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 1001, 2001, 2002; SPH 1001; TAM 2001. Computer: ECN 2002 or 2003; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHL 1002, 1005; PHY 1001, 2001, 2002; SPH 1001. Computer/Electrical (Dual): ECN 2002 or 2003; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHL 1002, 1005; PHY 1001, 2001, 2002; SPH 1001. Electrical: ECN 2002 or 2003; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHL 1002, 1005; PHY 1001, 2001, 2002; SPH 1001. Mechanical: ECN 2002; EGR 1000; CHM 1006, 1007; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 1001, 2001, 2002; SPH 1001; TAM 2001. A.S. degree recommended prior to transfer. MTH 2002 and MTH 2007 not required prior to transfer for most majors, <i>but is required prior to transfer for Mechanical Engineering.</i> https://catalog.siu.edu/colleges/engineering.php</p> <p style="text-align: right;">2/18</p>
UNIVERSITY OF ILLINOIS CHICAGO	<p><u>College of Engineering</u></p> <ul style="list-style-type: none"> • Bioengineering • Chemical • Civil & Materials • Computer Science • Electrical and Computer Engineering • Engineering Management • Mechanical and Industrial 	<p>2.5 minimum GPA for fullest consideration. Min. 24 semester hours at the time of application, and 36 at the time of enrollment.</p>	<p>Courses required at time of enrollment: CHM 1006; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 1001, 2001. Bioengineering: BIO 1003; CHM 1007, CSI 1011 Chemical Engineering: CHM 1007, 2002, 2003; CSI 1011 Computer Science: BIO 1003; CHM 1007 or GEL 1008 or GEL 1009 Electrical & Computer Engineering: CSI 1011; PHY 2002 Mechanical and Industrial Engineering: CSI 1011; PHY 2002; TAM 2001 Students should take one course from each of the following UIC General Education categories: Analyzing The Natural World; Understanding The Creative Arts; Understanding The Individual and Society; Understanding The Past; Exploring World Cultures; and Understanding U.S. Society. http://engineering.uic.edu/</p> <p style="text-align: right;">3/18</p>
UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	<ul style="list-style-type: none"> • <u>Majors (Admit GPA)</u> • Aerospace (3.8) • Agricultural and Biological (3.6) • Chemical and Biomolecular (3.8) • Civil (3.7) • Computer Engineering (3.7) • Computer Science (3.8) • Electrical (3.7) • Engineering Mechanics (3.6) • Engineering Physics (3.7) • Industrial (3.7) • Materials Science (3.7) • Mechanical (3.9) • Nuclear, Plasma and Radiological (3.6) • Systems Engineering & Design (General) (3.5) 	<p>Minimum 3.0 for both Technical GPA (Math, Chemistry, & Physics) and Cumulative GPA for consideration</p> <p>Minimum 3.7 in both Technical and Cumulative GPA is required for Mechanical Engineering, and Computer Science</p>	<p>Required for all programs: CHM 1006; MTH 2001, 2002, 2003; PHY 1001, 2001, 2002; CSI 1011 required all majors except Aerospace</p> <ul style="list-style-type: none"> • CHM 1007 required for: Agriculture and Biological; Chemical and Biomolecular; Civil; Engineering Mechanics; Materials Science and Engineering. • CHM 2002 & 2003 highly recommended for: Chemical & Biomolecular • CSI 1011 required for: All programs except Industrial and Systems Engineering & Design. • MTH 2007 required for: Aerospace; Agriculture and Biological, Chemical and Biomolecular; Civil, Computer Engineering, Computer Science, Electrical, Engineering Physics, Systems Engineering & Design, Industrial; Material Science & Engineering; Mechanical; Nuclear, Plasma, and Radiological. • CSI 2011 required for: Computer Science • TAM 2001 required for: Aerospace; Ag. & Biological; Civil; Engineering Mechanics; Systems Engineering & Design; Industrial; Mechanical; Nuclear, Plasma, and Radiological. • EGR 1000 required for: Ag. & Biological; Civil/Environmental; Systems Engineering & Design; Industrial • ECN 2002 required for: Nuclear, Plasma, & Radiological. <p>Additional College of Engineering General Education requirements can be found at the following website: (Bioengineering not available to transfer students) https://admissions.illinois.edu/Content/docs/Handbook_ENG.pdf</p> <p style="text-align: right;">2/18</p>
WESTERN ILLINOIS UNIVERSITY QUAD CITY CAMPUS ONLY	<ul style="list-style-type: none"> • BS in Engineering Traditional Robotics Civil Industrial Electrical • BS in Mechanical Traditional Manufacturing Robotics 	<p style="text-align: center;">2.0</p>	<p>All programs: CHM 1006; EGR 1000; MTH 2001, 2002, 2003, 2007; PHY 1001, 2001, 2002; (C or better in all) Program is housed at the Quad Cities campus. First two years of the program may be completed at Macomb or any Community College. Civil: 1 additional course from BIO1004, 1009, GEG1002 or GEL1008 Industrial: MET2201</p> <p>#Students must take one Global Issues course or Foreign Lang of 3yrs in HS or 3 coll. sem and one Multicultural Studies course. Courses may double dip Gen Ed/Global or Multi/Global but NOT Gen Ed/Multi, some majors at WIU incorporate the Global Issues course in the lower/ upper level curriculum. Lower level courses are marked on the WIU Equiv. guide. http://www.wiu.edu/cbt/engineering_technology/</p> <p style="text-align: right;">4/18</p>