

2023 – 2024

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
EASTERN ILLINOIS UNIVERSITY	<ul style="list-style-type: none"> <li>Electrical</li> </ul>		MTH 2001, 2002, 2003, & 2007, CHM 1006, PHY 2011, 2012, 2013; CSI 1011. CSI 2011 is major elective. *World Language equivalent to 2 years HS (“C” or better) or 2 semesters college in a single language. <a href="https://www.eiu.edu/electric/">https://www.eiu.edu/electric/</a> 2/23
NORTHERN ILLINOIS UNIVERSITY	<ul style="list-style-type: none"> <li>Industrial &amp; Systems Management</li> <li>Health Systems Manufacturing</li> <li>Mechanical</li> <li>Computing &amp; Simulation</li> <li>Sustainable Energy</li> <li>Robotics &amp; Controls</li> <li>Electrical</li> <li>Biomedical</li> <li>Mechanics</li> <li>Technology (see to right)</li> </ul>	2.0. BS track 90 hours  3.0 required to apply to BS/MS or the BS/JD tracks	*2.3 GPA in the following: CHM 1006, ENG 1001, 1002, MTH 2001, 2002, 2003, 2007, PHY2011 & 2012, CSI 1011 (appeal to NIU to use as CSCI240). Complete a min of IAI or NIU Plus Gen Ed package. <b>Industrial &amp; Systems:</b> TAM 2001, PSY 1000, EGR 1000, ECN2002 or 2003. ACT1010 may be used as an elective. <b>Mechanical &amp; Mechatronics:</b> TAM 2001, EGR 1000 <b>Electrical:</b> PHY2013, TAM 2001(not needed for admission but req in program.) <b>Biomedical:</b> BIO1001 or 1003, BIO1007 & 1008; TAM2001 <i>BS/MS track is 5 years: 90 credits and 3.0 GPA to apply</i> <b>Technology:</b> Areas include Electrical, Manufacturing, Industrial Mgmt & Tech, Energy & Environ Tech and Applied Manufacturing. See the Industrial/Engineer Tech guide sheet. The Applied Manufacturing option guides are available at <a href="https://www.ivcc.edu/transferservices/articulationagreements.php">https://www.ivcc.edu/transferservices/articulationagreements.php</a> as a 90 + 30 option *Human Diversity course required for this major, choose from NIU Plus guide. <a href="http://www.niu.edu/CEET/">http://www.niu.edu/CEET/</a> 2/23
SOUTHERN ILLINOIS UNIVERSITY	<u>B.S. - College of Engineering</u>  <ul style="list-style-type: none"> <li>Biomedical</li> <li>Civil</li> <li>Computer</li> <li>Electrical</li> <li>Mechanical</li> </ul>	2.0  “C” or better in Math, Science, English courses	<b>Biomedical:</b> BIO 1003, BIO 1007; ECN 2002; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 2011, 2012; PSY 1000; SPH 1001. IAI or AS recommended prior to transfer. <b>Civil/Environmental:</b> CHM 1006, 1007; ECN 2002; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 2011, 2012; SPH 1001; TAM 2001. <b>Computer/Cybersecurity:</b> BIO 1007 or CHM 1006; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 1001, 2001, 2002; SPH 1001. <b>Electrical:</b> BIO 1007 or CHM 1006; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 2011, 2012, 2013; SPH 1001; Social Science Gen. Ed. IAI GECC or AS recommended prior to transfer. <b>Mechanical &amp; Energy:</b> CHM 1006, 1007; ECN 2002; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 2011, 2012, 2013; SPH 1001; TAM 2001. <a href="https://catalog.siu.edu/colleges/ectm.php">https://catalog.siu.edu/colleges/ectm.php</a> 2/22
UNIVERSITY OF ILLINOIS CHICAGO	<u>College of Engineering</u> <ul style="list-style-type: none"> <li>Biomedical</li> <li>Chemical</li> <li>Civil</li> <li>Computer</li> <li>Computer Science</li> <li>Electrical</li> <li>Engineering Management</li> <li>Engineering Physics</li> <li>Environmental</li> <li>Industrial</li> <li>Mechanical</li> </ul>	The admission requirement to transfer into the College of Engineering is a <b>minimum GPA of 2.5 (A =4.0) for Illinois residents and 2.75 for nonresidents.</b> Both cumulative GPA, and the GPA for science, math, and engineering courses, must meet this requirement.	<u>Core Courses required at time of enrollment:</u> CHM 1006; ENG 1001, 1002; MTH 2001, 2002, 2003, 2007; PHY 2011 & 2012 (PHY2013 may be needed for Electrical, Engineering Physics and Mechanical)  <b>Specific course information for transferring into each major is listed on a separate guide sheet for UIC College of Engineering is available in the Counseling Center. It is recommended students with an IVCC Counselor to assure proper sequencing of math and science courses and pay close attention to the UIC College of Engineering website and Transferology as requirements change.</b>  <a href="https://engineering.uic.edu/undergraduate/majors-and-minors/">https://engineering.uic.edu/undergraduate/majors-and-minors/</a>  3/23
UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	<u>Majors</u> <ul style="list-style-type: none"> <li>Aerospace</li> <li>Agricultural and Biological</li> <li>Bioengineering</li> <li>Chemical Engineering</li> <li>Civil Engineering</li> <li>Computer Engineering</li> <li>Computer Science</li> <li>Electrical Engineering</li> <li>Engineering Mechanics</li> <li>Industrial Engineering</li> <li>Materials Science &amp; Engineering</li> <li>Mechanical Engineering</li> <li>Nuclear, Plasma and Radiological Engineering</li> <li>Physics, Engineering</li> <li>Systems Engineering &amp; Design</li> </ul>	3.8 GPA, both cumulative and in MTH, CHM, CSI, and PHY courses is approximate range necessary to be competitive for admission to most majors	<b>Specific course information for transferring into each major is listed on a separate guide sheet. Please see the Grainger College of Engineering Guide available in the Counseling Center. It is recommended students with an IVCC Counselor to assure proper sequencing of math and science courses.</b>  <u>Additional Information</u> The application process allows for list of first and second choice majors. However, Computer Engineering, Computer Science, Electrical Engineering, and Mechanical Engineering can only be listed as first-choice majors, because of high demand.  Bioengineering will take a minimum 6 semesters to complete after transfer to UIUC.  <a href="https://admissions.illinois.edu/Content/docs/Handbook_ENG.pdf">https://admissions.illinois.edu/Content/docs/Handbook_ENG.pdf</a>  1/22
WESTERN ILLINOIS UNIVERSITY QUAD CITY CAMPUS ONLY	<ul style="list-style-type: none"> <li>BS in Engineering General Industrial</li> <li>BS in Electrical</li> <li>BS in Civil</li> <li>BS in Mechanical Design Manufacturing Robotics</li> </ul>	2.0	<b>All programs:</b> CHM 1006; EGR 1000; MTH 2001, 2002, 2003, 2007; PHY2011 and 2012; (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. ECN2003 suggested. Internships required in all areas. ABET Accredited. <b>Civil:</b> 3 credits from BIO1004, 1009, GEG1002, GEG1003# or GEG1004# <b>Engineering (Industrial) &amp; Mechanical (Manufacturing):</b> MET2201 #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 <b>NOT</b> 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. <a href="http://www.wiu.edu/academics/majors/business_and_technology/engineering.php">http://www.wiu.edu/academics/majors/business_and_technology/engineering.php</a> <a href="http://www.wiu.edu/academics/majors/business_and_technology/mechanical-engineering.php">http://www.wiu.edu/academics/majors/business_and_technology/mechanical-engineering.php</a> 2/23