



TRANSFER GUIDE

AES Associate in Engineering Science transferring into BS Mechanical Engineering

| Waubonsee Community College Courses | | | |
|--|----------------------------------|-------------|--------------------------------------|
| AES Associate in Engineering Science - 61 hours | | | |
| ENG 101-3 | First-Year Composition I | CIS 115-3 | Intro to Programming |
| ENG 102-3 | First-Year Composition II | EGR 101-4 | Engineering Graphics |
| ECN 201-3 | Principles of Microeconomics | EGR 220-3 | Analytical Mechanics-Statics |
| MTH 131-4 | Calculus w/Analytic Geometry I | EGR 230-3 | Analytical Mechanics-Dynamics |
| Elective-3 | IAI Humanities* | MTH 132-4 | Calculus w/Analytic Geometry II |
| CHM 121-4 | General Chemistry | MTH 233-4 | Calculus w/Analytic Geometry III |
| PHY 221-5 | General Physics I | MTH 240-3 | Differential Equations |
| Elective-3 | IAI Fine Arts* | PHY 222-5 | General Physics II |
| CHM 122-4 | Chemistry/Qualitative Analysis | | |
| Southern Illinois University Carbondale Courses Capstone Option | | | |
| BS Mechanical Engineering (ME) – 75 hours | | | |
| CMST 101-3 | Intro to Oral Communication | ME 302-3 | Engineering Heat Transfer |
| Elective-3 | Social Science | ME 309-3 | Mechanical Analysis & Design |
| BIOL 202-2 | Human Genetics & Human Health | ME 312-3 | Materials Science Fundamentals |
| Elective-3 | Life Science | ME 336-3 | System Dynamics & Control |
| Elective-3 | Multicultural | ME 401-1 | Thermal Measurements Lab |
| 1 Course-2 | ENGR 222 or 296 or ME 222 | ME 407-2 | Measurements & Instrumentation |
| ENGR 350A-3 | Mechanics of Materials | ME 411-3 | Mfg Methds for Engineering Materials |
| ENGR 351-3 | Numerical Methods in Engineering | ME 475-3 | Machine Design I |
| ENGR 335-3 | Electric Circuits I | ME 495A-3 | Mechanical Engineering Design |
| ENGR 370A-3 | Fluid Mechanics | ME 495B-3 | Mechanical Engineering Design |
| ME 102-2 | Computer-Aided Engr Drawing | ME Elect-15 | Select from list of approved courses |
| ME 300-3 | Engineering Thermodynamics I | | |
| Total Hours to Bachelor Degree: 136 Hours | | | |

***1 course must satisfy Non-Western (N) -or- Diversity (D) emphasis. Questions? Contact Us!**

Salary Range: \$60,000-\$150,000

Possible Careers: Aerospace Engineer
Biomedical Engineer
Controls Systems Engineer
Cyber/Defense Systems Engineer
Electromechanical Engineer
Electronics Engineer
Manufacturing Engineer
Mechanical Engineer
Research Development Engineer
Semiconductor Engineer
Telecommunications/Utilities Engineer

Waubonsee Community College
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Disclaimer: You are encouraged to use this transfer guide when planning your progress towards degree completion. Following a transfer guide does not guarantee admission into the listed program. Information is attempted to be kept current; however, any curriculum changes reflected in the Undergraduate Catalog override the information on this guide. Contact your Academic Advisor for assistance in interpreting this guide.



Baccalaureate Degree Requirements

Each candidate for a bachelor's degree must complete the requirements listed:

Hour Requirements. Student must complete at least 120 semester hrs of credit. Each student must have at least 42 hrs in courses that number 300 or above from a four-year institution.

Residence Requirements. Student must complete the residency requirement by taking a total of 42 semester hrs at SIU Carbondale.

Grade Point Average Requirements. Student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

Compact Agreement

SIU Carbondale has recognized Illinois regionally accredited community college transferable baccalaureate-oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIUC will continue to recognize the baccalaureate oriented associate degree (A.A. or A.S. degree) under the Illinois Articulation Initiative as satisfying SIU University Core Curriculum (UCC) requirements. The Associate of Applied Science (A.A.S.), Associate in Engineering Science (A.E.S.), the Associate in General Studies (A.G.S.), and the Associate in Fine Arts (A.F.A.) are not covered under the Compact Agreement and do not carry the same benefits as the A.A. and A.S. degrees.

Saluki Transfer Pathways

[Saluki Transfer Pathways](#) is the university's dual admission program that allows baccalaureate-oriented students at eligible community colleges intending to transfer to SIU Carbondale to benefit from early admission and pre-advisement for a baccalaureate program at SIUC. Saluki Transfer Pathways allows students to be conditionally admitted to SIU Carbondale up to two years in advance of their intended transfer term so they have access to transfer credit evaluation and the university's degree audit system. This allows students to address major specific requirements that may not be automatically fulfilled with the completion of an associate degree. Students apply to Saluki Transfer Pathways by completing the Application for Undergraduate Admission and indicating an interest in the program. To participate, students must have at least two semesters remaining at their community college. Direct questions about the Saluki Transfer Pathways program to transfer@siu.edu.

DegreeWorks

DegreeWorks is an easy-to-use, online degree audit tool specifically designed for students. Once admitted to SIU Carbondale, you can use it monitor your progress toward your degree in [Salukinet](#).

Saluki Transfer Estimator Portal (STEP)

The [Saluki Transfer Estimator Portal](#) (STEP) is a web-based tool that integrates institutional course equivalency and degree audit data to provide an unofficial credit estimation and a more seamless transfer process. STEP gives transfer students a clear roadmap for timely degree completion by providing key information about how transfer credits apply to your intended program at SIU.