TRANSFER GUIDE

Associate in Engineering Science transferring into BS Electrical Engineering

<table>
<thead>
<tr>
<th>Southeastern Illinois Courses</th>
<th>Associate in Engineering Science – 71 hours</th>
<th>Southern Illinois University Carbondale Courses</th>
<th>BS Electrical Engineering – 72 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 121-3 Rhetoric &amp; Composition I</td>
<td>MATH 222-5 Calculus &amp; Analytical Geometry III</td>
<td>BIOL 202-2 Human Genetics &amp; Human Health</td>
<td>ECE 355/355L-4 Signals &amp; Systems/Lab</td>
</tr>
<tr>
<td>ENG 122-3 Rhetoric &amp; Composition II</td>
<td>MATH 225-3 Differential Equations</td>
<td>Elective-3 Multicultural</td>
<td>ECE 356/356L-4 Systems &amp; Control/Lab</td>
</tr>
<tr>
<td>COM 121-3 Principles of Speaking</td>
<td>CHEM 121-5 General Chemistry I</td>
<td>ECE 235/235L-4 Electric Circuits I/Lab</td>
<td>ECE 375/375L-4 Intro to Electromagnetic Fields/Lab</td>
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<tr>
<td>ECON 122-3 Intro to Microeconomics</td>
<td>CHEM 122-5 General Chemistry/Qual Analysis II</td>
<td>ECE 296/296L-4 Software Tools for Engineers/Lab</td>
<td>ECE 385/385L-4 Electromechanical Energy Conv/Lab</td>
</tr>
<tr>
<td>PSYC 121-3 Intro to Psychology</td>
<td>GRAP 121-3 Engineering Graphics I</td>
<td>ECE 315-4 Mathematical Methods in ECE</td>
<td>ECE 495E-3 EE Senior Design I</td>
</tr>
<tr>
<td>PHIL 122-3 Fundamentals of Logic</td>
<td>PHYSICS 221-5 General Physics I</td>
<td>MATH 162-5 Calculus &amp; Analytical Geometry I</td>
<td>ECE 495D-3 EE Senior Design II</td>
</tr>
<tr>
<td>Elective-3 Fine Arts</td>
<td>PHYSICS 222-5 General Physics II</td>
<td>MATH 165-3 Scientific Programming</td>
<td>At least 15 hrs must be from ECE</td>
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<tr>
<td>MATH 221-5 Calculus &amp; Analytical Geometry II</td>
<td>PHYSICS 242-3 Dynamics</td>
<td>ECE 327/327L-4-4 Digital Circuit Design with HDL/Lab</td>
<td>423, 430-489</td>
</tr>
<tr>
<td>ECE 336-3 Electric Circuits II</td>
<td>ECE Electives-22</td>
<td>ECE 345/345L-4 Electronics/Lab</td>
<td></td>
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</tbody>
</table>

Total Hours to Bachelor Degree: 143 Hours

Salary Range: $60,000-$150,000
Possible Careers: Aerospace Engineer, Biomedical Engineer, Controls Systems Engineer, Cyber/Defense Systems Engineer, Electronics Engineer, Research Development Engineer, Semiconductor Engineer, Telecommunications/Utilities Engineer

Questions? Contact Us!
Southeastern Illinois College
Gina Sirach
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Southern Illinois University Carbondale
Dr. Spyros Tragoudas, Chair
Dept. of Electrical & Computer Engineering
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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 assumed 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.** Each student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution.

**Residence Requirements.** Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale.

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

Dual Admission Program
The Dual Admission Program (DAP) allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at SIU Carbondale. The DAP addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students apply to the DAP by completing the Application for Undergraduate Admission and indicating interest in the DAP. Students must have at least two semesters remaining at their community college to participate, must select a participating SIU major, and must attend an eligible community college. Students who apply for the DAP are provided a transfer plan that will guide them to the most direct route to their bachelor’s degree, along with personalized contact with an SIU representative. Dual Admission Program students receive access to enroll in an online Dual Admission Program course, which connects students early to the University, its resources, and other transfer students.

Compact Agreement
SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU 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). 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.

Degree Works
*Degree Works* is an easy-to-use, comprehensive, online degree audit tool specifically designed for students. The audit reflects program requirements from the Undergraduate Catalog measured against registration and transfer work to guide the degree audit function as it applies to the individual student. Once admitted to SIU Carbondale, you can run a Degree Works degree audit against your academic record by searching “Degree Works” in SalukiNet.