## AS Mathematics transferring into BS Physics: General Physics

<table>
<thead>
<tr>
<th>Kaskaskia College Courses</th>
<th>BS Physics: General Physics – 55 hours</th>
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<tbody>
<tr>
<td><strong>Guid 109-1</strong> First Year College Experience</td>
<td><strong>Elective-3</strong></td>
</tr>
<tr>
<td><strong>Engl 101-3</strong> English Composition</td>
<td>HLTH 102-3</td>
</tr>
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<td><strong>Engl 102-3</strong> English Composition</td>
<td>CITA 110-1</td>
</tr>
<tr>
<td><strong>SPCH 103-3</strong> Fundamentals of Speech</td>
<td>MATH 166-5</td>
</tr>
<tr>
<td><strong>Math 136-4</strong> General Statistics</td>
<td>MATH 210-3</td>
</tr>
<tr>
<td><strong>Psych 101-3</strong> Psychology</td>
<td>MATH 236-3</td>
</tr>
<tr>
<td><strong>Elective-3</strong> Social/Behavioral Science</td>
<td>MATH 267-4</td>
</tr>
<tr>
<td><strong>Phle 120-3</strong> Ethics</td>
<td>MATH 268-4</td>
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<tr>
<td><strong>Physics 201-5</strong> University Physics I</td>
<td>MATH 269-3</td>
</tr>
<tr>
<td><strong>Elective-3</strong> Biology Elective</td>
<td>PHYS 202-5</td>
</tr>
</tbody>
</table>

1 Only offered Spring, 2 Only offered Fall, 3 Offered Spring and Fall

<table>
<thead>
<tr>
<th>Southern Illinois University Carbondale Courses</th>
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<tbody>
<tr>
<td><strong>Elective-3</strong> Additional Life Science course</td>
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<tr>
<td><strong>Chem 200/201/202-5</strong> Intro to Chemical Principles/Lab/Workshop</td>
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<tr>
<td><strong>Physics 100-1</strong> Undergraduate Seminar</td>
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<tr>
<td><strong>Physics 301-3</strong> Theoretical Methods in Physics</td>
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<tr>
<td><strong>Physics 305/355-4</strong> Modern Physics/Lab</td>
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<tr>
<td><strong>Physics 310-3</strong> Classical Mechanics</td>
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<tr>
<td><strong>Physics 320-3</strong> Electricity &amp; Magnetism I</td>
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<tr>
<td><strong>Gen Elective-1</strong></td>
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</tbody>
</table>

**Total Hours to Bachelor Degree:** 120 Hours

### Salary Range:
$30,000-$75,000

### Possible Careers:
- Materials Processing Engineer
- Optical Physicist/Engineer
- Laser Physicist/Engineer
- Imaging Scientist

### Possible Graduate Studies:
- Astronomy
- Physics/Applied Physics
- Biomedical Engineering
- Electrical/Computer Engineering

### Questions? Contact Us!

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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.