Applied Technology (Online)

Bachelor of Applied Science (BAS)

The Applied Technology degree is specifically designed for students who have earned a technically-oriented Associate of Applied Science (AAS) degree from an accredited institution. The courses in this program allow students to build on the AAS curriculum to earn a 4-year Bachelor of Applied Science degree.

Applied Technology students will...
- Apply credit they received from an Associate of Applied Science Degree to a Bachelor of Applied Science Degree.
- Understand the fundamental concepts required to be a professional in their chosen field, including concepts in mathematics, physical sciences, technology, and management.
- Obtain more specialized knowledge in elective areas including construction, electrical systems, mechanical systems, manufacturing, networking, facilities, and/or computer graphics.

Becoming Career Ready...
- Faculty with relevant industry experience work closely with students by providing them with career-ready practical experience and a technology-based curriculum.
- 100% of Southeast programs offer real-world experience. Applied Technology students earn this experience through a senior design capstone course for students to work in teams to solve open-ended industrial projects. Students also gain valuable hands-on experience through required labs that accompany the course work.
- The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty — they are here to help you connect your passions, interests, and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

Career Opportunities

Students have options to tailor this program according to their career and industry needs as it is designed to qualify students to advance into technical management roles with appropriate work experience. Entry-level position will vary by your AAS degree obtained and electives chosen. Common career opportunities include positions in:
- Technical Management and Quality Management
- Project Management
- Productions Supervision
- Technical Sales and Estimating

About Our Online Programs

At Southeast, if a program is designated as an online degree, you can complete your degree anywhere, without ever having to come to one of our campuses. As a student in an online class, your faculty will be the same faculty who teach in our campus classrooms. Advising for online programs and other support services are all completed online by staff who specialize in serving distance students.

Additional Admission Requirements

In addition to the normal University admissions requirements, the Applied Technology program requires that students complete an Associate of Applied Science degree at a regionally accredited institution in a technical field. This credit will automatically be applied upon submission of the transcripts to the University.

Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.

To learn more
Southeast Online
(573) 651-2766
southeastonline@semo.edu
online.semo.edu

To explore
all online degree options, visit
online.semo.edu

For advising
Phone: (573) 651-2766
Fax: (573) 651-2859
southeastonline@semo.edu
online.semo.edu
Applied Technology (Online)
Bachelor of Applied Science (BAS)

This is a guide based on the 2020-2021 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

APPLIED TECHNOLOGY - 51-55 Hour Major - No Minor Required

Required Courses:
- MATH 116 Precalculus (5)
- MATH 137 Precalculus (5)
- CHEM 181 Basic Principles of Chemistry (5)
- CHEM 180 Chemistry in Our World (3)
- PHYSICS 106 Physical Concepts (3)
- PHYSICS 120 Introductory Physics (5)
- PHYSICS 120 Manufacturing Research in a Global Society (3)
- PHYSICS 121 Statistical Process Control (3)
- PHYSICS 122 Industrial Supervision (3)
- PHYSICS 123 Projects in IET (3)
- PHYSICS 124 Engineering Economic Analysis (3)
- PHYSICS 125 Science, Technology & Society (3)
- PHYSICS 126 Manufacturing Research in a Global Society (3)

Choose one course:
- CIVIC 101 Constitution Requirement – 3 hours
- CIVIC 102 Written Communication – 3 hours
- CIVIC 103 Oral Communication – 3 hours
- CIVIC 104 Natural Sciences – 7 hours
- CIVIC 105 Humanities & Fine Arts – 9 hours
- CIVIC 106 Additional requirements – 5 hours

Upper Elective 1
- Upper level general education courses
- Upper level technical electives

APPLIED TECHNOLOGY ELECTIVES - 18 hours
- Additional technical electives

*If not transferred in with AAS degree.

General Education Requirements – some requirements may be fulfilled by coursework in a major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

Notes:
- Admission to this program requires an earned AAS degree.
- Must have a total of 39 credit hours of 300-599 level courses.
- Work with an advisor to determine electives. The prerequisites for the upper-level electives must be completed through a combination of these courses and courses taken during the AAS degree program.
- Technical electives are typically courses with prefixes of CM, ET, FM, GM, IE, IM, MN, PG, or TN
- Some upper level electives may require additional courses as prerequisites beyond what is shown here.

SAMPLE PLAN

NOTE: Because the courses accepted from the transfer AAS degree can vary greatly, the courses required to take at Southeast to complete this program can also vary and cause deviation from the plan below.

FALL SEMESTER

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>IM300</td>
<td>3</td>
<td>IM301</td>
<td>3</td>
</tr>
<tr>
<td>MN220</td>
<td>3</td>
<td>MN311</td>
<td>3</td>
</tr>
<tr>
<td>Applied Tech elective</td>
<td>3</td>
<td>UI1319</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>Applied Tech elective</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>IM419</td>
<td>3</td>
<td>IM506</td>
<td>3</td>
</tr>
<tr>
<td>Applied Tech elective</td>
<td>3</td>
<td>UI310</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 15 Total: 15

Milestone: maintain 2.0 cumulative GPA

Personalized Pathways:

At Southeast, we offer online courses in a traditional 16-week fall and spring semester with eight-week sessions in the first and last half of both. In addition, we offer a wintersession between fall and spring and at least six different 4, 6, and 8 week sessions over summer. Talk with an advisor to see how you can utilize these different sessions to expedite your degree completion.

Degree requirements for all students: a minimum of 120 credit hours; completion of transfer credit for General Education program courses; residency at Southeast - at least 30 hours from Southeast; 39 senior division hours required; current residency at Southeast - 12 of your final 18 hours must be taken with Southeast; grade point average at Southeast: 2.0 minimum required; grade point average cumulative: 2.0 minimum required. Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements.

A minimum 2.00 GPA in the major and overall are required to graduate with a BAS degree.

Revised 6/5/2020