

Applied Technology

Bachelor of Applied Science (BAS)

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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 allows 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 of the students choosing- including construction, electrical systems, mechanical systems, manufacturing, networking, facilities and/or computer graphics.

Faculty advisors within the department can fine-tune this assistance for the student's chosen discipline and help connect the student to employers in the region.

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 in the state-of-the-art Otto & Della Seabaugh Polytechnic building.

/ 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 courses 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

These will vary considerably for this program as it is designed to qualify students to advance into technical management roles with appropriate work experience. However, entry-level position will vary based on AAS degree obtained and electives chosen.

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
 Office of Admissions
 (573) 651-2590
admissions@semo.edu
semo.edu

To explore
 the College of Science, Technology,
 Engineering and Mathematics
 online, visit
semo.edu/stem

For advising
 Center for Academic Advising
semo.edu/advising

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Degree Map 2021-2022

This is a guide based on the 2021-2022 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 - 50-54 Hour Major - No Minor Required

Required Courses:

- EN100 English Composition I (3)*
- IM 300 Technical Communication (3)
- IM 301 Industrial Safety (3)
- IM 311 Statistical Process Control (3)
- IM 419 Industrial Supervision (3)
- IM 506 Projects in IET (3)
- MN 220 Engineering Economic Analysis (3)
- UI 319 Science, Technology & Society (3)
- UI 410 Manufacturing Research in a Global Society (3)

Choose 3-5 hours*:

- CH 180 Chemistry in Our World (3)
- CH 181/081/001 Basic Principles of Chemistry (5)
- CH 184/185 General Chemistry I Lecture and Lab (4)
- PH 106/006 Physical Concepts (3)
- PH 120/020 Introductory Physics (5)

Choose one course*:

- MA 116 Precalculus A (3)
- MA 137 Precalculus (5)

APPLIED TECHNOLOGY ELECTIVES - 18 hours

- Upper level technical electives - Determined by consulting with an advisor (18)

*If not transferred in with AAS degree.

General Education Requirements – some requirements may be fulfilled by coursework in 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.
- 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		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	IM300	3	IM301	3
	MN220	3	IM311	3
	Applied Tech elective	3	UI319	3
	General Education	3	Applied Tech elective	3
	General Education	3	General Education	3
	Total	15	Total	15
Milestone: maintain 2.0 cumulative GPA				
SECOND YEAR	IM419	3	IM506	3
	Applied Tech elective	3	UI410	3
	Applied Tech elective	3	Applied Tech elective	3
	General Education	3	Applied Tech elective	3
	General Education	3	General Education	3
	Total	15	Total	15
Milestone: maintain 2.0 cumulative GPA				

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

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

Many major courses are on a set rotation and dependent on when prerequisites are completed. The actual semester a course is taken may vary based on the rotation.