

A.A.S. Semiconductor Manufacturing Technology

Program Admissions Requirements

This program accepts students every 8 weeks during the Fall, Spring, and Summer semesters.

The curriculum is self-paced and built on a competency-based model. All theory courses are completed online course-by-course. Students must schedule hands-on labs with their instructors for proficiency check-offs prior to starting the next course. Students must achieve an ALEKS score of 30 or higher (or equivalent SAT/ACT scores, or math courses) to be admitted.

For more information, contact David Gorham at (208) 840-0766.

General Education

The listing below includes program requirements that also fulfill General Education requirements.

Code	Title	Credits
Objective 1		3
Objective 2		3
Objective 3		3
Objective 6		3
Any unfilled objective		3
Total Credits		15

Major Requirements

Code	Title	Credits
ESET 1140	Applied Technical Intermediate Algebra	5
or MATH 1143 & MATH 1144 or MATH 1147	Precalculus I: Algebra and Precalculus II: Trigonometry Precalculus	

SMT 1101	Clean Room Operations and Lab	2
SMT 1117	Introduction to Industrial Thermal Systems	2
SMT 1117L	Introduction to Industrial Thermal Systems Lab	1
SMT 1118	Semiconductor Manufacturing Technician I	1
SMT 1118L	Semiconductor Manufacturing Technician I Lab	1
SMT 1119	Semiconductor Manufacturing Technician II	2
SMT 1119L	Semiconductor Manufacturing Technician II Lab	1
SMT 1121	Basic Electricity and Electronics	4
SMT 1121L	Basic Electricity Lab	3
SMT 1122	Electrical Systems and Motor Control Theory	3
SMT 1122L	Electrical Systems and Motor Control Theory Laboratory	1
SMT 1123	Mechanical Power Transmission I	2
SMT 1123L	Mechanical Power Transmission Laboratory I	2
SMT 1127	Mechanical Power Transmission II	2
SMT 1127L	Mechanical Power Transmission Laboratory II	2
SMT 1162	Industrial Safety and Regulations	2
SMT 1184	Pneumatic and Vacuum Systems	2
SMT 1184L	Pneumatic and Vacuum Systems Lab	1
SMT 2201	Automated Control Systems	2
SMT 2201L	Automated Control Systems Lab	1
SMT 2202	Radio Frequency Plasma	3
SMT 2203	Nanofabrication	3
SMT 2242	Practical Process Measurements and Control	2

Total Credits 50

Degree Totals

Code	Title	Credits
	Program Admission Requirements	0
	General Education	15
	Major Requirements (Required General Education credits removed.)	50
	Free Electives	0
Total Credits		65