

Degree: Bachelor of Science in Technology Studies  
Major: Technology Studies  
Concentration: Manufacturing Technology

### Semester-by-semester Schedule for Full-time Student

#### Fall, Freshman Year

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
TECS 130	Tech Core	STEM in Technology Systems	3
TECS 180	MT Content	Materials, Processes & Production	3
TECS 318	Tech Core	Introduction to Computer Aided Drafting	3
ENG 101	Foundation Studies	English Composition I	3
HHP 200	Personal Well-Being	Personal Wellness	3
UNIV 101	Freshman Seminar	Freshman Seminar	
TOTAL CREDIT HOURS			15

#### Spring, Freshman Year

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
TECS119	MT Content	Introduction to Welding	3
TECS 120	TECS Core	Power, Energy, and Transportation	3
ENG 102	Foundation Studies	English Composition II	3
INF 101	Foundation Studies	Introduction to Computer Systems	3
GSCI 100	Mathematics and Natural Science	Introduction to Geology	3
TOTAL CREDIT HOURS			15

#### Fall, Sophomore Year

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
TECS 200	TECS Core	Engineering Graphics	3
TECS 260	MT Content	Metals Processes	3
MGT 101	TECS Mgt Req	Introduction to Business	3
MATH 110 or MATH 101	Foundation Studies	College Algebra or Contemporary Math	3
COMM 100	Foundation Studies	Fundamentals of Oral Communication	3
TOTAL CREDIT HOURS			15

#### Spring, Sophomore Year

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
TECS 312	TECS Core	Graphic Communication Techniques	3
TECS 240	MT Content	Plastics	3
TECS 280	MT Content	Wood Processes	3
PHYS 102	Mathematics and Natural Science	Physical Science	1
PHYS 103	Mathematics and Natural Science	Physical Science Lab	3
GSCI 110	International Studies	World Geography	3
TOTAL CREDIT HOURS			16

#### Fall, Junior Year

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
TECS 495	TECS Core	Training and Instructional Systems	3
TECS 440	MT Content	Maintenance and Repair	1
ART 180	Humanities	Fundamentals & Appreciation of Art	3
FIN 205	Social and Behavior Science	Theory and Practice of Personal Finance	3
PSY 100	Social and Behavior Science	General Psychology	3
MATH 250	Mathematics and Natural Science	Elements of Statistics	3
TOTAL CREDIT HOURS			16

**Spring, Junior Year**

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
TECS 331	MT Content	Machine Tool Operations	3
TECS 375	MT Content	Robotics: Engineering\Problem Solving	3
TECS 420	MT Content	Fluid Systems: Hydraulics/Pneumatics	2
TECS 430	MT Content	Computer Aided Manufacturing	3
TECS 480	TECS Core	Industrial Management	3
TECS 490	TECS Core	Occupational Safety, health, and Liability	2
TOTAL CREDIT HOURS			16

**Fall, Senior Year**

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
MGT 301	TECS Mgt Req	Management Principles	3
TECS 391	Upper-Division	Technology In Society	3
HIST 111	International Studies	Modern World Civilization	3
COMM 318	Humanities	Introduction to Organizational Communication	3
ECON 201	Social and Behavior Science	Principles of Microeconomics	3
TOTAL CREDIT HOURS			15

**Spring, Senior Year**

Course Prefix and Number	Course Set (on the degree sheet)	Course Name	Credit Hours
TECS 499	TECS Core	Internship	9
IDS 350	Humanities	Diversity in the United State	3
TOTAL CREDIT HOURS			12