

# TECHNOLOGY MANAGEMENT, B.TECH.

## Major Code: 1318

The Technology Management degree program allows graduates in specialized A.A.S. program areas to combine their technical expertise with a firm understanding of fundamental business functions. By combining business education with enhanced technical skill sets, graduates will be prepared to assume the role of supervisor or management trainee in a contemporary, technology-driven environment.

This program provides students with technical and business expertise through classroom and hands-on field experiences. These features align with the college's mission of offering baccalaureate degrees with a business nature and a strong emphasis on technology and lifelong learning. While maintaining course flexibility, the program prepares professionals who identify and implement effective approaches to solving business problems and improve specialized business operation processes.

## Student Learning Outcomes

Upon successful completion of this program, students will be able to:

- Communicate effectively both in writing and in presentation.
- Evaluate strategies for solving business problems.
- Recognize and promote ethical and responsible business practices.
- Utilize quantitative analysis to evaluate current and future market segment opportunities
- Apply quantitative analysis to evaluate business profitability
- Assess and evaluate the impact of developing technologies
- Identify technology and workforce strategies to enhance overall productivity
- Prepare a competitive industry analysis in support of strategic decision making

## Curriculum Requirements

A minimum of 121 credits is required for degree completion. This is a junior level degree program and students must complete 60 credits of coursework at the Associate degree level before transferring into the Technology Management, B.Tech. program.

Code	Title	Credits
<b>Major Field Requirements</b>		
<b>Lower Division Requirements:</b>		
ACCT 100 or ACCT 101	Accounting Info & Mgt Decision Principles of Accounting I	3
BSAD 116	Business Organization & Mgmt	3
BSAD 221	Business Statistics	3
ECON 140 or ECON 100	Introduction to Microeconomics Introduction to Macroeconomics	3
CITA 101	Principles Computer Apps	3
<b>Upper Division Requirements:</b>		
BSAD 300	Management Communications	3
BSAD 408	Responsible Business Ownership	3
Business/Technology Electives		6
Select two of the following:		

BSAD 310	Human Resource Management	
BSAD 320	Entrepreneurship	
BSAD 325	Marketing Management	
BSAD 400	Production & Operation Mgt	
Select one of the following:		1
CITA 395	Internship Orientation Seminar	
ENTR 474	Preparation for Field Study	
AUTO 420	Auto Industry Internship Orien	
TECH 480	Internship in Tech Management	15
300-400 Upper Division Electives as advised		6
<b>Required Option:</b>		
Select 12 credits from one of the following options:		12
General Management Option		
Diesel Technology Option		
Marketing Management Option		
Healthcare Office Coordinator Option		
Renewable Energy Option		
Sports Management Option		

**Total Credits** 61

## Required Options

### Diesel Technology Option

Code	Title	Credits
AUTO 360	Auto Shop Mgt & Supervision	3
AUTO 380	Auto Parts Management	3
AUTO 400	Automotive Fleet Management	3
DTEC 300	Diesel Equip Tech Internship 2	4
DTEC 325	Electrical Power Generation	3
DTEC 350	Advanced Diesel Fuel Systems	3
RENG 305		3

### General Management Option

Code	Title	Credits
BSAD 310	Human Resource Management	3
BSAD 320	Entrepreneurship	3
BSAD 325	Marketing Management	3
BSAD 327	Advertising Management	3
BSAD 329	Consumer Behavior	3
BSAD 350	Principles Corporate Finance	3
BSAD 375	Management Information Systems	3
BSAD 380	International Business	3
BSAD 400	Production & Operation Mgt	3
BSAD 411	Leadership in Organizations	3
BSAD 449	Management Policy and Issues	3
CITA 405	Project Management	3

### Healthcare Office Coordinator Option

Code	Title	Credits
BSAD 325	Marketing Management	3
BSAD 411	Leadership in Organizations	3
COMP 310	Advance Tech Communication	3
OFFT 301	Advanced Medical Coding	3
OFFT 335	Advanced Medical Transcription	3

PSYC 304	Industrial/Org Psychology	3
PSYC 384	Group Behavior	3
PSYC 386	Social Psychology	3

### Marketing Management Option

Code	Title	Credits
BSAD 325	Marketing Management	3
BSAD 327	Advertising Management	3
BSAD 329	Consumer Behavior	3
PSYC 304	Industrial/Org Psychology	3
or PSYC 386	Social Psychology	

### Renewable Energy Option

Code	Title	Credits
RENG 305		
RENG 306	Alternative Fuel Vehicles	2
RENG 310	Biomass Energy Resources	3
RENG 315		3
RENG 320		
RENG 330		
RENG 410		
RENG 415		
RENG 420	Wind Energy Development & Analytics	3
RENG 460	Systems Integration	3

### Sports Management Option

Code	Title	Credits
BSAD 343	Intro to Sport Management	3
BSAD 353	Sport Marketing - Strategic Ap	3
BSAD 418	Sport Law	3
BSAD 443	Strategic Sports Business	3

## Suggested Course Sequence

Course	Title	Credits
<b>Year 1</b>		
<b>Fall</b>		
ACCT 100	Accounting Info & Mgt Decision	3
BSAD 116	Business Organization & Mgmnt	3
BSAD 221	Business Statistics	3
BSAD 300	Management Communications	3
ECON 140	Introduction to Microeconomics	3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
CITA 101	Principles Computer Apps	3
300-400 Business/Technology Electives as advised		6
300-400 Required Option Electives as advised		6
<b>Credits</b>		<b>15</b>
<b>Year 2</b>		
<b>Fall</b>		
BSAD 408	Responsible Business Ownership	3
ENTR 474	Preparation for Field Study	1
300-400 Required Option Electives as advised		6
300-400 Upper Division Electives as advised		6
<b>Credits</b>		<b>16</b>

<b>Spring</b>		
TECH 480	Internship in Tech Management	15
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>61</b>