

# COLLEGE OF BUSINESS, ENGINEERING, AND TECHNOLOGY

A degree from the College of Business, Engineering, and Technology at Texas A&M University-Texarkana provides a degree of recognized distinction. Texas A&M University-Texarkana business, engineering, and other technology oriented professional students have the opportunity to develop skills in critical thinking, leadership, communications, team work, and problem solving. These skills prepare students for their future roles, leading businesses and technology into the next millennium. The College of Business, Engineering, and Technology faculty are fully qualified and are eager to provide an exceptional educational experience for students.

The College of Business, Engineering, and Technology has partnerships with various local, regional, national and international professional groups which guides curriculum development allowing the College to offer top quality level educational programs. This College offers many degrees building skills to become successful technical leaders and managers in professional positions in a wide range of various industries.

## Vision Statement

*Texas A&M –Texarkana College of Business, Engineering, and Technology will be the preferred choice institution for students and prospective employers, known for academic excellence, student success and community leadership. We will not only prepare students for their chosen careers but also develop their capacities for community involvement and leadership.*

## Bachelors degrees

- Accounting (BBA) (<http://catalog.tamut.edu/business-engineering-technology/accounting/>)
- Business Administration (BBA)

Majors must choose a concentration in:

- Entrepreneurship (<http://catalog.tamut.edu/business-engineering-technology/entrepreneurship/>)
- General Business (<http://catalog.tamut.edu/business-engineering-technology/business-administration/>)
- Finance (<http://catalog.tamut.edu/business-engineering-technology/finance-concentration/>)
- Management (<http://catalog.tamut.edu/business-engineering-technology/management-concentration/#text>)
- Management Information Systems (MIS) (<http://catalog.tamut.edu/business-engineering-technology/management-information-systems-concentration/>)
- Marketing (<http://catalog.tamut.edu/business-engineering-technology/marketing-concentration/>)
- Sports Management (<http://catalog.tamut.edu/business-engineering-technology/sports-management/>)
- Supply Chain Management (<http://catalog.tamut.edu/business-engineering-technology/supply-chain-management-concentration/>)
- Computer Science (BS) (<http://catalog.tamut.edu/business-engineering-technology/computer-science/>)

Majors must choose a concentration in:

- Cyber Security (<http://catalog.tamut.edu/business-engineering-technology/computer-science/cyber-security-concentration/>)
- Software Engineering (<http://catalog.tamut.edu/business-engineering-technology/computer-science/software-engineering-concentration/>)
- Electrical Engineering (BS) (<http://catalog.tamut.edu/business-engineering-technology/electrical-engineering/>)
- Mathematics (BS) (<http://catalog.tamut.edu/business-engineering-technology/mathematics/>)
- Majors must choose a concentration in:
  - Data Analysis (<http://catalog.tamut.edu/business-engineering-technology/mathematics/data-analysis-concentration/>)
  - Pure Mathematics (<http://catalog.tamut.edu/business-engineering-technology/mathematics/pure-mathematics-concentration/>)
- Mechanical Engineering (BS) (<http://catalog.tamut.edu/business-engineering-technology/mechanical-engineering/>)

## Minors

A minor requires a minimum of 18 SCH in a discipline, with the exception of the interdisciplinary-studies minor that requires hours from more than one discipline.

## Business

Code	Title	Hours
BUSI 2301	Business Law	3
ECON 2301	Principles of Macroeconomics	3
GBUS 456		
MGT 395	Principles of Management	3

MIS 360	Essentials of Management Information Systems	3
MKT 363	Marketing	3
<b>Total Hours</b>		<b>18</b>

## Computer Science

Code	Title	Hours
COSC 1315	Introduction to Computer Science	3
CS 310	Analysis of Algorithms	3
CS 332	C++ Programming	3
CS 367	Software Engineering	3
CS 410	Operating Systems	3
Upper Division Computer Science Elective <sup>300-400 level</sup>		3
<b>Total Hours</b>		<b>18</b>

## Electrical Engineering

Code	Title	Hours
EE 2305	Electric Circuits I	3
or ENGR 2305	Electric Circuits I	
EE 321	Digital Logic	3
EE 322	Digital Logic Laboratory	1
EE 325	Signals and Systems	3
EE 326	Signals and Systems Lab	1
Choose 2 Lecture Courses plus 1 Lab from the list below:		7
EE 305	Fundamentals of Power Systems	
EE 306	Electric Power and Machinery Lab	
EE 317	Information Theory	
EE 319	Electric Circuits II (EL)	
EE 320	Circuit Laboratory	
EE 335	Electronics I	
EE 336	Electronics Laboratory	
EE 340	Computer Architecture	
EE 429	Basic Communication Theory	
EE 345	Introduction to Electromagnetic Theory	
EE 307	Probability and Random Processes	
EE 365	Microprocessors	
EE 432	Control Systems	
EE 445	Embedded Systems	
EE 446	Embedded Systems Lab	
EE 447	Electronics II	
EE 469	Wireless Communications	
EE 474	Power Systems Analysis and Control	
<b>Total Hours</b>		<b>18</b>

## Management Information Systems

Code	Title	Hours
MIS 302	Enterprise Resource Planning	3
MIS 310	Mobile Application Development	3
MIS 360	Essentials of Management Information Systems	3
MIS 361	Database Systems and Design	3
MIS 362	Systems Analysis and Design	3
MIS 450	Principles of Management Information Security	3
<b>Total Hours for Minor</b>		<b>18</b>

## Mathematics

Code	Title	Hours
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4
Complete 2 courses from the following:		6
MATH 2305	Discrete Mathematics	
MATH 2318	Linear Algebra	
MATH 2320	Differential Equations	
Complete 2 courses (6sch) from any MATH 300 or 400 level		6
<b>Total Hours</b>		<b>20</b>

## Supply Chain Management

Code	Title	Hours
SCM 304	Principles of Supply Chain Management (SL)	3
SCM 310	Strategic Sourcing	3
SCM 412	Transportation	3
MIS 302	Enterprise Resource Planning	3
6sch Upper Division Business Electives		6
<b>Total Hours for Minor</b>		<b>18</b>

## Masters degrees:

- Accounting (MS) (<http://catalog.tamut.edu/graduate-studies/business-engineering-technology/accounting/>)
- Business Administration (MBA) (<http://catalog.tamut.edu/graduate-studies/business-engineering-technology/business-administration/>)
  - Energy Leadership Track (<http://catalog.tamut.edu/graduate-studies/business-engineering-technology/business-administration/energy-leadership-track/>)
  - Information Technology Track (<http://catalog.tamut.edu/graduate-studies/business-engineering-technology/business-administration/information-technology-track/>)
  - Management Track (<http://catalog.tamut.edu/graduate-studies/business-engineering-technology/business-administration/management-track/>)
  - Supply Chain Management (<http://catalog.tamut.edu/graduate-studies/business-engineering-technology/business-administration/supply-chain-management-concentration/>)

## Certificate Programs:

Partnering with the Red River Army Depot, Texas A&M University-Texarkana's College of Business offers the following certificate program. The program provides the student a "hands on" environment where topics are presented, practiced and mastered.

- Accounting-Tax Certificate (<http://catalog.tamut.edu/business-engineering-technology/accounting-tax-certificate/>)
- Finance Certificate (<http://catalog.tamut.edu/business-engineering-technology/finance-certificate/>)
- Human Resource Management Certificate (<http://catalog.tamut.edu/business-engineering-technology/human-resources-management-certificate/>)
- Leadership & Management Certificate (<http://catalog.tamut.edu/business-engineering-technology/leadership-and-management-certificate/>)
- Management Information Systems Certificate (<http://catalog.tamut.edu/business-engineering-technology/management-information-systems-certificate/>)
- Supply Chain Management Certificate (<http://catalog.tamut.edu/business-engineering-technology/supply-chain-management-certificate/>)

## Mathematics Teacher Certifications

- Mathematics 4-8 Math Certification (<http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/mathematics-4-8-mathcertification/>)
- Mathematics 7-12 Math Certification (<http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/mathematics-7-12-math-certification/>)

Faculty and Staff Directory (<https://www.tamut.edu/directory/>)