

# College of Business

**Troy A. Adair, Jr., Ph.D. – Dean**

Athens State University’s College of Business is nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP), 11520 West 119<sup>th</sup> Street, Overland Park, KS 66213. NOTE: New degree programs, major or emphases must be in effect for at least two years and have graduates before accreditation will be granted. All College of Business majors are submitted for review based on the criteria set by ACBSP. Courses that have achieved accreditation are indicated by an asterisk (\*). Accounting has achieved a Separate Accounting Accreditation with ACBSP.

The table below summarizes the degree options, majors, minors, certificates and micro-credentials offered by the College of Business. Information about the minors listed below can be found in the Minors section of this catalog. Information about the certificate programs listed below can be found at the end of the College of Business catalog section.

Program Name	Degree(s) Available	Minor Available	Certificate Available	Micro-credential (Badge) Available
<a href="#">Accounting (no minor required)</a>	BS	Yes	Yes	
<a href="#">Accounting (with required minor)</a>	BS			
<a href="#">Acquisition and Contract Management</a>	BS	Yes	Yes	
<a href="#">Advanced Manufacturing Management</a>	BS	Yes	Yes	
<a href="#">Aerospace Systems Management</a>	BS	Yes		
<a href="#">Aviation Management</a>			Yes	
<b>Business Administration (open to non-business majors only)</b>		Yes		
<b>Enterprise Systems Management</b>		Yes		
<b>Federal Tax Accounting</b>				Yes
<b>Finance</b>		Yes		
<b>Forensic Accounting</b>		Yes	Yes	Yes
<a href="#">Government Contract Accounting</a>		Yes	Yes	Yes
<a href="#">Health Care Management</a>	BS	Yes		
<a href="#">Human Resource Management</a>	BS	Yes	Yes	
<b>Information Systems Management</b>		Yes		
<b>International Business</b>		Yes		
<a href="#">Logistics and Supply Chain Management</a>	BS	Yes	Yes	
<a href="#">Management (no minor required)</a>	BS			
<a href="#">Management (with required minor)</a>	BS			
<a href="#">Management of Cybersecurity Operations</a>	BS	Yes	Yes	
<a href="#">Management of Technology (no minor required)</a>	BS		Yes	
<a href="#">Management of Technology (with required minor)</a>	BS			
<b>Marketing</b>		Yes	Yes	
<a href="#">Occupational Health and Safety Management</a>	BS		Yes	
<b>Operations Management</b>		Yes		
<a href="#">Project Management</a>		Yes	Yes	
<b>QuickBooks Accounting</b>				Yes
<a href="#">SAP Certificate</a>			Yes	
<b>Small Business/Entrepreneurship (not open to Accounting with Minor majors)</b>		Yes		
<b>Tailored Business Minor (open to business majors only)</b>		Yes		

The current listings of [Faculty and Staff in the College of Business](#) and [Faculty and Staff in the University Library](#) can be found on the Athens State University website.

## **College of Business – General Information**

The mission of the College of Business is to offer programs of study to students that will prepare them for positions in business, finance, or government; enhance the professional development of those already employed; and provide an academic framework for graduate study leading to professional positions. The purpose of the College of Business is to provide quality education for all students, teaching them to think critically, to use technology efficiently, to be effective leaders, decision makers, and communicators; to maintain ethical standards, and to understand the global economy. To carry out its mission and support its purpose, the College of Business has established the following goals:

- Provide for continuous improvement of the programs within the College of Business in keeping with the standards set by Athens State University, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and the Accreditation Council of Business Schools and Programs (ACBSP).
- Place excellence in teaching as the number one priority for serving students and for evaluating faculty.
- Encourage growth and diversity in the faculty and student body.
- Seek community and business relationships for advice and support of student and curriculum needs.
- Maintain cooperative relationships with other educational institutions to facilitate student transfer, maximize resource utilization and provide quality programs.
- Support a quality-based, equivalent learning environment for all students in all settings.
- Produce graduates who will be academically and professionally prepared by the quality teaching programs of the College of Business for work in an increasingly diverse, global environment.

Athens State University, through its College of Business, offers the Bachelor of Science (B.S.) degree with majors in accounting, acquisition and contract management, advanced manufacturing management, aerospace systems management, human resource management, logistics and supply chain management, management, management of cybersecurity operations, management of technology, and occupational health and safety management. The College of Business curriculum complies with the Common Professional Component (CPC) recommended by the ACBSP. Instruction offered by the College of Business is designed to assist in the preparation of competent and effective professionals in the areas of accounting and management. Students completing a degree program offered by the College of Business will possess the following skills and competencies:

- Demonstrated knowledge of core business concepts, theories and applications in the areas of accounting, finance, management, marketing, management information systems, global business, strategic management, and production.
- Demonstrated proficiency in the use of technology as it relates to business.
- Demonstrated ability to effectively apply critical-thinking skills to analyze business issues and financial data.
- Demonstrated knowledge of the global economy including an appreciation of diversity as it relates to business.
- Demonstrated ability to effectively communicate orally and in writing.
- Demonstrated understanding and appreciation of ethical issues as it relates to business.
- Demonstrated understanding and ability to use effective managerial, leadership and group interaction techniques.

### **Distance Education**

All College of Business majors are available online. All professional coursework for these majors may be completed via distance learning. However, if students have not completed all general education and pre-professional course requirements, the University cannot guarantee that all courses will be available in online formats. For further information regarding distance education, refer to the Academic Policies section in the Introduction and General Information portion of the catalog or the University website.

### **Assessment (Pre- and Post-Testing)**

The College of Business, as a part of its continuous evaluation process, has implemented a program to assess the business knowledge levels of incoming students. This will be accomplished through a pre-test to be administered in a required course, MG 320 Organizational Communication. This course should be taken during a student's first term at Athens State University. A post-test will be administered in the capstone course, MG 420 Business Policy, which should be taken during a student's last term. An external benchmark post exam is administered in MG 480 Seminar in Business. In addition to the pre- and post-assessment related to knowledge of the core professional courses, business majors will also take a pre- and post-assessment designed to measure knowledge related to their specific major(s).

**Student Learning & Licensure (SL&L)** is a software platform used for creating an electronic portfolio, and is required in all "core" business courses (AC/MG 302, MG 320, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, and MK 331). Specified assignments in these courses will be placed in this platform and will be used in assessing student progress. There is a one-time cost for this membership. Membership is available for up to five years.

## **Advising and Scheduling Information**

### **Academic Advising**

An Academic Advisor is assigned to each College of Business major by the Student Success Coach for the College of Business. After a student's transcript(s) have been received, a plan of study which reflects the transferred credit and the requirements for degree completion is available to the student and the advisor in Degree Works via the myAthens portal. Students are encouraged to read **all** the information regarding degree requirements on the plan of study. Students should contact an advisor for any questions about the degree plan. Contact information for College of Business faculty and staff is available on the website.

### **Scheduling**

Degree programs in the College of Business are developed to ensure that students who complete the programs possess the skills and competencies for successful careers or further academic study. To obtain the maximum benefit from the programs, some sequencing of courses is necessary.

Most business courses are offered each term, particularly the common core courses which are required in all College of Business majors (AC/MG 302, MG 320, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, and MK 331). However, some courses (particularly those which are required in only one program or minor) are offered less frequently. Observing the following guidelines will help you in efficient scheduling.

- Those courses in most demand (common core courses) are generally offered each term in multiple formats.
- Courses which are specific to only one program (or minor), may not be offered every term and/or in all formats.
- Sequential courses (especially accounting and statistics) must be taken in order, and may be offered on a rotating or alternating basis.

Students should work with an advisor to plan accordingly and not wait until they are nearing the end of their program to begin scheduling the less frequently offered courses or sequential courses.

### **Special Scheduling Requirements**

#### **First Term:**

**Except in the case of a substituted transfer course, the following course, which is required for all Business majors, MUST be taken in the student's first term at Athens State or as soon as possible after completion of both English composition courses. MG 320 Organizational Communication (3 semester hours). This course includes an initial assessment as part of our required outcomes assessment plan.**

**The following courses, which are required for all Business majors, should be taken in the student's first term at Athens State. The content in these courses is essential preparation for other courses in the curriculum.**

AC/MG 302 Management Information Systems (3 semester hours).

MG 346 Principles of Management and Leadership (3 semester hours).

Accounting majors should take AC 321 Intermediate Accounting I during the first term in which they are eligible to take the course at Athens State University.

#### **Last Term:**

**The following courses (which are required in all Business majors) should be taken during the student's last term at Athens State.**

MG 420 Business Policy (3 semester hours). This course is the capstone course which integrates content from all other core business courses. The required Assessment Exam is given in this course.

MG 480 Seminar in Business (2 semester hours). This course is taken at the end of a student's program. An external benchmark exam (post) is administered.

#### **Prerequisites**

Observance of prerequisites will ensure that students have the background knowledge to obtain the maximum benefit from the curriculum. Please consult the course descriptions section of this catalog for information on course prerequisites.

## **Degree Programs in the College of Business**

### **General University Requirements for Graduation**

Every student planning on completing an undergraduate degree/major program at Athens State University must satisfy all University requirements and meet all financial obligations before a degree is awarded.

To be eligible to receive an undergraduate degree, a student must:

- Complete at least a total of 124 semester hours with 25 percent of the degree requirements earned at Athens State University.
- Complete all of the general education and pre-professional courses (Areas I-V) required for the degree or major(s).
- Complete all course requirements for the degree or major(s).
- Complete a minimum of 15 semester hours of upper level (300-400 level) coursework in the major at Athens State University, not including courses taken by reciprocal or visiting arrangements. **College or departmental regulations may require completion of more than 15 semester hours of coursework in the major at Athens State University. These degree-specific requirements are published in the appropriate degree/major section of the University catalog.**
- Attain an institutional grade point average of 2.0 on all coursework attempted at Athens State University, and at least a 2.0 in the major field. **These degree-specific requirements are published in the appropriate degree/major section of the University catalog.**
- When applicable, complete all course requirements for a minor with a minimum of six (6) semester hours of upper-level coursework in the minor from Athens State University. College or departmental regulations may require completion of more than six (6) semester hours of coursework in the minor at Athens State University. These specific requirements are published in the appropriate Minors section of the University catalog.
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- Complete the requirements for teacher certification (when applicable).

***The rules, regulations, policies, fees and other charges, courses, programs of study, and academic requirements that appear in this catalog were in effect at the time of its publication and every effort has been made to ensure the accuracy of all information. The contents are published for informational purposes only, and do not constitute a contract between the University and any student, applicant for admission or other person. Statements regarding courses, programs of study, fees, and conditions are subject to change without advance notice.***

## ACCOUNTING (AC)

The objective of the major in accounting is to prepare our students for careers as professional accountants, in public practice, industry, government, and other areas, and to provide an academic framework for future graduate study. With a wide variety of career options available to accounting graduates, the Accounting Department offers an additional option for accounting majors, "Accounting (with Minor)." Under this option, the student will take the core accounting requirements and pair them with a minor selected from a variety of fields. **This option does not meet the requirements to sit for the Certified Public Accountant (CPA) Exam in Alabama, unless paired with an accounting-related minor.** If you intend to sit for the CPA exam, you should complete the "Accounting (no Minor)" option or the "Accounting (with Minor)" option paired with the Forensic Accounting or Government Contract Accounting minor. Students with non-Accounting degrees preparing to sit for the CPA Exam should refer to the recommended courses following the "Accounting (no Minor)" requirements.

### Bachelor of Science – Accounting (no minor required)

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

Program components for the Bachelor of Science degree with a major in Accounting (no minor):

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Accounting (no minor) must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All accounting majors must also take an accounting-specific “pretest” in AC 321 Intermediate Accounting I during the first term in which they are eligible to take the course at Athens State University.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	AC 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	AC 321 Intermediate Accounting I ( <i>take 1<sup>st</sup> semester available</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	AC 361 Federal Tax Accounting I	<b>3</b>
	AC 303 Management Decision Support Systems	<b>3</b>
	AC 322 Intermediate Accounting II	<b>3</b>
	AC 362 Federal Tax Accounting II	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	AC 312 Law for Accountants <b>or</b> AC 415 QuickBooks Accounting	<b>3</b>
	AC 323 Intermediate Accounting III	<b>3</b>
	AC 401 Auditing	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	AC 431 Advanced Accounting	<b>3</b>
	AC 442 Advanced Auditing and Fraud Examination	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	AC 435 Governmental Accounting	<b>3</b>
	AC 471 Cost Accounting ( <i>Accounting Capstone course to be taken final semester</i> )	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Accounting majors must also earn an acceptable score on an accounting-specific assessment exam in AC 471 Cost Accounting containing questions dealing with the accounting skills and competencies included in the curriculum.

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Accounting Major (no minor)</b>	<b>124</b>

**Recommended Courses for Students with Non-Accounting Degrees Preparing to Sit for the CPA Exam in Alabama:**

AC 321 Intermediate Accounting I	AC 312 Law for Accountants
AC 322 Intermediate Accounting II	AC 361 Federal Tax Accounting I
AC 323 Intermediate Accounting III	AC 362 Federal Tax Accounting II
AC 431 Advanced Accounting	AC 401 Auditing
AC 435 Governmental Accounting	AC 442 Advanced Auditing and Fraud Examination
AC 471 Cost Accounting	

**For students seeking additional hours in accounting to meet CPA requirements, the following courses are also available:**

- AC 303 Management Decision Support Systems
- AC 411 Government Contract Accounting I
- AC 412 Government Contract Accounting II
- AC 415 QuickBooks Accounting
- AC 441 Special Topics in Accounting
- AC 451 Forensic Accounting I
- AC 452 Forensic Accounting II

**For students seeking additional hours in business to meet CPA requirements, the following courses are recommended:**

- GBA 314 Business Ethics
- MG 346 Principles of Management
- MG 350 Financial Management
- MG 352 International Business
- MG 390 Operations Management
- MG 420 Business Policy

Further recommendations and guidance can be provided by an Accounting faculty advisor. For additional information on the CPA requirements in the State of Alabama, see the Alabama State Board of Public Accountancy website at <https://www.asbpa.alabama.gov>.

## **Bachelor of Science – Accounting (with required minor)**

With a wide variety of career options available to accounting graduates, the Accounting Department offers an additional option for accounting majors, “Accounting (with Minor).” Under this option, the student will take the core accounting requirements and pair them with a minor selected from a variety of fields. **This option does not meet the requirements needed to sit for the Certified Public Accountant (CPA) Exam in Alabama, unless paired with an account-related minor. If you intend to sit for the CPA exam, you should complete the “Accounting (no Minor)” option or the “Accounting (with Minor)” option paired with the Forensic Accounting or Government Accounting minor.**

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Accounting with a required minor:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Accounting with Minor must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one Fine Arts course or equivalent	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or the equivalent	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	Two courses in economics	<b>6</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>



**Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All accounting majors must also take an accounting-specific “pretest” in AC 321 Intermediate Accounting during the first term in which they are eligible to take the course at Athens State University.

	<b>Accounting and Business Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	AC 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	AC 321 Intermediate Accounting I ( <i>take 1<sup>st</sup> semester available</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	AC 322 Intermediate Accounting II	<b>3</b>
	AC 361 Federal Tax Accounting I	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	AC 323 Intermediate Accounting III	<b>3</b>
	AC 401 Auditing	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	AC 471 Cost Accounting ( <i>Accounting Capstone course to be taken final semester</i> )	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>47</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Accounting majors must also earn an acceptable score on an accounting-specific assessment exam in AC 471 Cost Accounting containing questions dealing with the accounting skills and competencies included in the curriculum.

**Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester. For details see the Minors section of this catalog.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (minimum 18 hours)	<b>18</b>
	<b>College of Business Minor options:</b>	
	Acquisition & Contract Management      International Business	
	Advanced Manufacturing Mgmt.      Logistics and Supply Chain Management	
	Aerospace Systems Management      Mgmt. of Cybersecurity Operations	
	Enterprise Systems Management      Marketing	
	Finance      Operations Management	
	Forensic Accounting      Project Management	
	Government Contract Accounting	
	Health Care Management      Tailored Business Minor (must be approved by advisor)	
	Human Resource Management	
	Information Systems Management	
	<b>Total Minor Requirement Hours:</b>	<b>18</b>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Accounting Major with Minor</b>	<b>124</b>

## ACQUISITION AND CONTRACT MANAGEMENT (ACM)

Students will gain knowledge of the acquisition and contracting processes to include the purchasing of goods and services, pricing, negotiating of contracts, administration of contracts, contract law, and responsibilities from contract award to termination of the contract. An emphasis will be placed upon federal contracting. This program will include a study of the Federal Acquisition Regulations.

### Bachelor of Science – Acquisition and Contract Management

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Acquisition and Contract Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Acquisition and Contract Management must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one Fine Arts course or equivalent	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or the equivalent	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	Two courses in economics	<b>6</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Acquisition and Contract Management (ACM) majors must also take an ACM-specific “pretest” while they are enrolled in ACM 394 Introduction to Acquisition and Contract Management.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	ACM 394 Introduction to Acquisition and Contract Management	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	ACM 353 Project Management	<b>3</b>
	ACM 395 Acquisition and Contract Management Pricing	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	ACM 396 Acquisition and Contract Management Administration	<b>3</b>
	LSM 301 Introduction to Logistics and Supply Chain Management <b>or</b> ESM 300 Enterprise Systems & Bus. Processes	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	ACM 397 Acquisition and Contract Management Negotiations	<b>3</b>
	ACM 398 Government Contract Law	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	ACM 400 Advanced ACM Research/Project	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	Electives (Selected from ESM, ISM, LSM courses)	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Acquisition and Contract Management majors should also complete a major-specific assessment exam in ACM 400 Advanced Acquisition and Contract Research/Project containing questions dealing with knowledge of contract management skills and competencies included in the curriculum.

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Acquisition and Contract Management Major</b>	<b>124</b>

## ADVANCED MANUFACTURING MANAGEMENT (AMM)

Advances in manufacturing technologies – from robotics and sensors to artificial intelligence and machine learning – are changing the way we manufacture products and the way we manage production operations. The Advanced Manufacturing Management (AMM) program provides the comprehensive knowledge of advanced manufacturing technologies, operations management and leadership, supply chain management, accounting and finance, and information systems technologies that students need to effectively lead manufacturing operations. The AMM program prepares students to help production operations compete and succeed in this dynamic business environment.

### Bachelor of Science – Advanced Manufacturing Management

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Advanced Manufacturing Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Advanced Manufacturing Management must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
<b>Total General Education Requirement Hours:</b>		<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	3
<b>Total Major Prerequisite Requirement Hours:</b>		<b>18</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>59</b>

**Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	Course	Hours
	UNV 300 Pathways to Success	3
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	3
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	3
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	3
	AMM 301 History of Manufacturing/Industry 4.0	3
	MG 350 Financial Management	3
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	3
	MG 349 Human Resource Management <b>or</b> BUS 276 Human Resource Management	3
	MG 390 Operations Management	3
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	3
	LSM 330 Logistics and Supply Chain Management in the Global Environment	3
	AMM 302 Manufacturing Materials and Processes	3
	MG 392 Manufacturing Planning in Lean Production	3
	AMM 400 The Technologies of Industry 4.0	3
	MG 417 Management of Change <b>or</b> MG 418 Management of Technology	3
	MG 421 Lean Six Sigma White Belt	3
	OHSM 300 Creating and Maintaining a Culture of Safety	3
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	3
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	1
	UNV 400 Career Seminar	1
	<b>Total Professional Requirement Hours:</b>	<b>56</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	9
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	Hours
<b>Total Minimum Hours Required for Completion of Advanced Manufacturing Management Major</b>	<b>124</b>

## AEROSPACE SYSTEMS MANAGEMENT (ASM)

A major in Aerospace Systems Management has two areas of possible concentration: Aviation and Space Systems. Aviation is designed for those students pursuing a commercial pilot or aircraft mechanic career path. Space Systems is for those students aiming at a management career in space exploration. Typical occupations where this major could apply are commercial airline pilot; airport manager; aviation maintenance manager; space mission planning, control, and communications; aerospace project management; aircraft/aerospace manufacturing manager/supervisor; and avionics and aircraft/spacecraft systems.

### Bachelor of Science in Aerospace Systems Management – with Concentrations

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science in Aerospace Systems Management with Concentrations:**

#### Applicable General University Requirements

Students earning the Bachelor of Science in Aerospace Systems Management degree with a concentration must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one Fine Arts course or equivalent	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course and one behavioral science course*	<b>6</b>
	6 semester hours of Economics	<b>6</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

Discipline/Course	Hours
Principles of Accounting (BUS 241/242 <b>OR</b> AC 305/306)	<b>6</b>
Business Statistics I (BUS271 <b>OR</b> GBA 305 <b>OR</b> MTH 265)	<b>3</b>
Business Statistics II (BUS 272 <b>OR</b> GBA 306)	<b>3</b>
Legal and Social Environment of Business (BUS 261 <b>OR</b> BUS 263 <b>OR</b> GBA 311)	<b>3</b>
Microcomputer Applications (CIS 146 <b>OR</b> GBA 301)	<b>3</b>
Elective (ADP 301 required for students that will be using prior learning credit to satisfy requirements for their ASM major)	<b>3</b>
<b>Total Pre-Professional Hours</b>	<b>21</b>
<b>Total General Education and Pre-Professional Hours:</b>	<b>62</b>

## **Professional Course Requirements**

A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	<b>Professional Courses (in order they should be taken)</b>	<b>Hours</b>
	UNV 300 Pathways to Success (Must be taken during first semester)	<b>3</b>
	MG 302 Management Information Systems	<b>3</b>
	MG 320 Organizational Communications	<b>3</b>
	MG 346 Principles of Management	<b>3</b>
	MG 420 Business Policy (should be taken during last semester)	<b>3</b>
	MG 480 Senior Seminar (should be taken during last semester)	<b>1</b>
	UNV 400 Career Seminar (should be taken during last semester)	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>17</b>

## **Additional Program Requirements**

In addition to the Professional Studies requirements above, students must complete all coursework for one of the concentrations below.

<b>Concentration in Aviation</b>		
	ASM 471 or MG 471 Aviation Law	<b>3</b>
	ASM 472 or MG 472 Aviation Safety and Security	<b>3</b>
	ASM 473 or MG 473 Air Traffic Control Fundamentals	<b>3</b>
	ASM 475 or MG 475 Aviation Weather Management	<b>3</b>
	ASM 476 or MG 476 Federal Aviation Regulations	<b>3</b>
	ASM 477 or MG 477 Airport Management	<b>3</b>
	ASM 485 or MG 485 Aircraft Propulsion Systems	<b>3</b>
	ASM 487 or MG 487 Aircraft and Space Flight Risk Management	<b>3</b>
	ASM 488 or MG 488 Aircraft Systems and Flight Engineering	<b>3</b>
	ASM 489 or MG 489 Aviation and Space Human Factors	<b>3</b>
	ASM 490 or MG 490 Aerodynamics and Flight Performance	<b>3</b>
	<b>Total Concentration Requirement Hours:</b>	<b>33</b>

<b>Concentration in Space Systems</b>		
	ASM 481 or MG 481 Spacecraft Environments	<b>3</b>
	ASM 482 or MG 482 Mission Planning, Control and Communications	<b>3</b>
	ASM 483 or MG 483 Space Law and Treaties	<b>3</b>
	ASM 484 or MG 484 Space Exploration Strategies	<b>3</b>
	ASM 485 or MG 485 Aircraft Propulsion Systems	<b>3</b>
	ASM 486 or MG 486 Rocket and Spacecraft Propulsion Systems	<b>3</b>
	ASM 487 or MG 487 Aerospace Flight Risk Management	<b>3</b>
	ASM 488 or MG 488 Aerospace Systems and Flight Engineering	<b>3</b>
	ASM 489 or MG 489 Aviation and Space Human Factors	<b>3</b>
	ASM 490 or MG 490 Aerodynamics and Flight Performance	<b>3</b>
	ASM 491 or MG 491 Commercial Space Enterprises	<b>3</b>
	<b>Total Concentration Requirement Hours:</b>	<b>33</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 430 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

**Other Professional Credit**

	<p>Student must obtain approval of plan for “Other Professional Credit” from Advisor. Select option 1 or 2.</p> <ol style="list-style-type: none"> <li>1. Technical Core Credit (Block Credit) (Institutional Credit) up to 21 semester hours. NOTE: Block Credit is LOWER LEVEL Credit. Application for this credit may be based on: <ul style="list-style-type: none"> <li>• Technical Training (4 or more semesters technical school/college) OR</li> <li>• Work Experience (6 years documented, successful work experience) OR</li> <li>• Professional Program (Fine Arts or Health Sciences).</li> </ul> <p>Application for Technical Core Credit MUST be filed during student’s first term of enrollment at ASU.</p> </li> <li>2. Advisor-approved elective hours as needed to total 60 semester hours of upper level credit and 124 total semester hours. (Up to 12)</li> </ol>	
<b>Total Professional Requirement Hours:</b>		<b>12-21</b>

**Other Requirements**

	<ol style="list-style-type: none"> <li>1. Earning an acceptable score on an assessment exam containing questions dealing with the competency and skill areas around which the curriculum is based. Exam is given in MG 420.</li> <li>2. Completion of MG 420 Business Policy and MG 480 Senior Seminar with a final average of at least 70%.</li> </ol>	
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		<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Aerospace Systems Management with Concentration</b>		<b>124-133</b>



## HEALTH CARE MANAGEMENT

The objective of the major in Health Care Management is to provide students with a program of study that will prepare them for a variety of employment opportunities in the area of health care management and provide an academic framework for future graduate study. The curriculum combines traditional business courses with specialized health care management and leadership courses.

### Bachelor of Science – Health Care Management

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Health Care Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Health Care Management must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one Fine Arts course or equivalent	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or the equivalent	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	Two courses in economics	<b>6</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

## Professional Course Requirements

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Health Care Management (HCM) majors must also take a HCM-specific “pretest” while they are enrolled in HCM 340 Introduction to Health Care Systems.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	EC 321 Money and Banking	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	HCM 340 Introduction to Health Care Systems	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	HCM 345 Management of Health Care Organizations	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	HCM 355 Survey of Issues in Health Care Management	<b>3</b>
	HCM 356 Legal and Ethical Issues in Health Care Management	<b>3</b>
	HCM 445 Management of Health Care Financial Resources	<b>3</b>
	HCM 455 Health Care Management Internship	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	GBA 307 Quantitative Business Analysis and HR Analytics	<b>3</b>
	HS 355 Health Policy in the U.S.	<b>3</b>
	HCM 451 Strategic Planning, Practice, and Marketing in Health Care	<b>3</b>
	HCM 460 Health Care Management Senior Seminar	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Health Care Management majors should also complete a major-specific assessment exam in HCM 460 Health Care Management Senior Seminar containing questions dealing with Health Care Management skills and competencies included in the curriculum.

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Health Care Management Major</b>	<b>124</b>

## HUMAN RESOURCE MANAGEMENT

The objective of the major in Human Resource Management is to provide students with a program of study that will prepare them for a variety of employment opportunities in the area of human resource management and provide an academic framework for future graduate study. The curriculum combines traditional business courses, specialized management courses, and related psychology courses.

### Bachelor of Science – Human Resource Management

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Human Resource Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Human Resource Management must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
<b>Total General Education Requirement Hours:</b>		<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	3
<b>Total Major Prerequisite Requirement Hours:</b>		<b>18</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>59</b>

## Professional Course Requirements

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Human Resource Management (HRM) majors must also take a HRM-specific “pretest” while they are enrolled in MG 349 Human Resource Management.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	EC 348 Labor Economics	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	GBA 307 Quantitative Business Analysis and HR Analytics	<b>3</b>
	MG 349 Human Resources Management <b>or</b> BUS 276 Human Resource Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MG 351 Labor/Management Relations	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 370 Performance Management in Organizations	<b>3</b>
	MG 375 Organizational Behavior and Teambuilding	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 410 Employment Law for Business	<b>3</b>
	MG 411 Compensation and Benefits	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	MG 449 Advanced Human Resource Management	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Two courses from the following:</b> EC 321 Money and Banking GBA 314 Business Ethics MG 450 Strategic HR Competencies and Professional Certification PS 304 Drugs and Behavior PS 331 Social Psychology PS 335 Adult Psychology PS 368 Industrial and Personnel Psychology	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Human Resource Management majors should also complete a major-specific assessment exam in MG 449 Advanced Human Resource Management containing questions dealing with HR management skills and competencies included in the curriculum.

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Human Resource Management Major</b>	<b>124</b>

## LOGISTICS AND SUPPLY CHAIN MANAGEMENT (LSM)

Students will learn the most reliable and cost-effective ways to source services and materials, construct and manufacture products, orchestrate inventory, and move products to customers, as well as basic strategies and techniques for collaborating with supply chain partners for overall supply chain optimization. Businesses today are increasingly global and the innovations in information systems/information technology are reshaping manufacturing, transportation, inventory control, customer relationship management, supply chain management, and planning/forecasting demand for product and services. The program includes the integration of operations involving the movement of raw materials for production to ultimately providing finished goods to consumers across the globe.

### Bachelor of Science - Logistics and Supply Chain Management

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Logistics and Supply Chain Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Logistics and Supply Chain Management must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one Fine Arts course or equivalent	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or the equivalent	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	Two courses in economics	<b>6</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

## Professional Course Requirements

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Logistics and Supply Chain Management (LSM) majors must also take a LSM-specific “pretest” while they are enrolled in LSM 301 Introduction to Logistics and Supply Chain Management.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	LSM 300 Enterprise Systems and Business Processes	<b>3</b>
	LSM 353 Project Management	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	ACM 394 Introduction to Acquisition & Contract Management	<b>3</b>
	LSM 301 Introduction to Logistics and Supply Chain Management	<b>3</b>
	LSM 320 Logistics and Distribution	<b>3</b>
	MG 352 International Business <b>OR</b> EC 320 International Economics and Trade	<b>3</b>
	LSM 330 Logistics & Supply Chain Mgmt. in the Global Environment	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	Electives (selected from ACM, ESM, ISM, LSM, or MK courses)	<b>6</b>
	LSM 401 Logistics and Supply Chain Integration Techniques	<b>3</b>
	LSM 410 Logistics and Supply Chain Strategy	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Logistics and Supply Chain Management majors should also complete a major-specific assessment exam in LSM 410 Logistics and Supply Chain Strategy containing questions dealing with Logistics and Supply Chain Management skills and competencies included in the curriculum.

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Logistics and Supply Chain Management Major</b>	<b>124</b>

## MANAGEMENT (MG)

The objective of the major in management is to provide students with a comprehensive business education, which will prepare them to enter managerial employment or to assist in the development of individuals who hold those positions. In addition, this major provides an academic framework for future graduate study. Management encompasses the traditional business curriculum which includes coursework in accounting, finance, management, marketing, management information systems, global business, strategic management, and production theories/concepts.

Management majors who wish to pursue a specialized area of study as a part of a management major may elect to complete the "Management with Minor" major. Minors are available in the following areas: Accounting, Acquisition & Contract Management, Advanced Manufacturing Management, Aerospace Systems Management, Enterprise Systems Management, Finance, Forensic Accounting, Government Contract Accounting, Health Care Management, Human Resource Management, Information Systems Management, International Business, Logistics and Supply Chain Management, Management of Cybersecurity Operations, Marketing, Operations Management, Project Management, and Small Business/Entrepreneurship. In addition to these minors, a student may earn a Tailored Minor requiring 18 hours of advisor-approved coursework in an appropriate academic or professional area. NOTE: Please be aware that coursework for all of the minors may not be offered every semester, in all formats, or at all sites.

### **Bachelor of Science – Management (no minor required)**

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Management (no minor):**

#### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Management (no minor) must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### **General Education Requirements**

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	<b>Discipline/Course</b>	<b>Hours</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	AC 315 Managerial Accounting	<b>3</b>
	EC 321 Money and Banking	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MG 349 Human Resources Management <b>or</b> BUS 276 Human Resource Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	GBA 314 Business Ethics	<b>3</b>
	MG 351 Labor/Management Relations	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 353 Project Management	<b>3</b>
	MG 375 Organizational Behavior and Teambuilding	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>56</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>9</b>
	<b>Total Minimum Hours Required for Completion of Management Major (no minor required)</b>	<b>124</b>



## **Bachelor of Science – Management (with required minor)**

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

Program components for the Bachelor of Science degree in Management with a required minor:

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Management with Minor must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	<b>Management Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	AC 315 Managerial Accounting	<b>3</b>
	EC 321 Money and Banking	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>38</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester. For details see the Minors section of this catalog.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (minimum 18 hours)	<b>18</b>
	<b>College of Business Minor options:</b>	
	Accounting	International Business
	Acquisition & Contract Management	Logistics and Supply Chain Management
	Advanced Manufacturing Mgmt.	
	Aerospace Systems Management	Mgmt. of Cybersecurity Operations
	Enterprise Systems Management	Marketing
	Finance	Operations Management
	Forensic Accounting	Project Management
	Government Contract Accounting	
	Health Care Management	Operations Management
	Human Resource Management	Small Business/Entrepreneurship
	Information Systems Management	Tailored Business Minor (must be approved by advisor)
	<b>Total Minor Requirement Hours:</b>	<b>18</b>

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>9</b>
	<b>Total Minimum Hours Required for Completion of Management Major with Minor</b>	<b>124</b>

## MANAGEMENT OF CYBERSECURITY OPERATIONS (MCO)

Management of Cybersecurity Operations provides the measures that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and non-repudiation. These measures include providing for restoration of information systems by incorporating protection, detection, and reaction capabilities. When paired with the minor in Information Systems Management, the Management of Cybersecurity Operations major is designated as a Center of Academic Excellence in Cyber Defense (CAE-CD) with the National Security Agency (NSA) and the Department of Homeland Security (DHS). To be designated a CAE-CD, the program undergoes an exhaustive review by the NSA and DHS to ensure the program meets cyber defense and cyber governance industry and Department of Defense (DoD) practices.

Career paths for those with a Management of Cybersecurity Operations degree include; Management Information Security, Information Security Policy, Security Program Development, and Risk Management.

### Bachelor of Science – Management of Cybersecurity Operations

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED**

**Program components for the Bachelor of Science degree with a major in Management of Cybersecurity Operations:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Management of Cybersecurity Operations must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

## Professional Course Requirements

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Management of Cybersecurity Operations (MCO) majors must also take a major-specific “pretest” while they are enrolled in MCO 409 Management of Cybersecurity.

	<b>Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken in 1<sup>st</sup> semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MCO 409 Management of Cybersecurity	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MCO 410 Cybersecurity Administration and Operations Management	<b>3</b>
	MCO 411 Cybersecurity Strategic Management	<b>3</b>
	MCO 412 Cybersecurity Management of Business Contingency & Resilience Planning	<b>3</b>
	MCO 413 Cybersecurity Management of Systems and Product Acquisition	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MCO 414 Management of Cybersecurity Governance ( <i>CAPSTONE</i> )	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>47</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Management of Cybersecurity Operations majors should also complete a major-specific assessment exam in MCO 414 Management of Cybersecurity Governance containing questions dealing with Management of Cybersecurity Operations skills and competencies included in the curriculum.

### **Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester. Some minors have more than 18 hours of coursework. For details see the Minors section of this catalog.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (18 hours minimum) <b>ONE OF THE FOLLOWING MINORS IS REQUIRED:</b> Enterprise Systems Management; Information Systems Management; Computer Science; Computer Networking; Information Technology	<b>18</b>
	<b>Total Minor Requirement Hours:</b>	<b>18</b>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Management of Cybersecurity Operations Major</b>	<b>124</b>

## MANAGEMENT OF TECHNOLOGY

The objective of the major in Management of Technology (MOT) is to provide students with a comprehensive business education which will prepare them to enter managerial employment, advance within the management field, or to assist in the development of individuals who hold those positions. In addition, it provides an academic framework for future graduate study. The major encompasses the traditional business curriculum which includes coursework in accounting, finance, management, management information systems, global business, strategic management, and production theories and concepts, marketing and technology management.

Management of Technology majors who wish to pursue specialized study as a part of the MOT major may elect to complete the "Management of Technology Major with Minor." Minors are available in the following areas: Accounting, Acquisition & Contract Management, Advanced Manufacturing Management, Aerospace Systems Management, Enterprise Systems Management, Finance, Forensic Accounting, Government Contract Accounting, Health Care Management, Human Resource Management, Information Systems Management, International Business, Logistics and Supply Chain Management, Management of Cybersecurity Operations, Marketing, Operations Management, Project Management, and Small Business/Entrepreneurship. In addition to these minors, a student may earn a Tailored Minor requiring 18 hours of advisor-approved coursework in an appropriate academic or professional area. NOTE: Please be aware that coursework for all of the minors may not be offered every semester, in all formats, or at all sites.

### **Bachelor of Science - Management of Technology (no minor required)**

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Management of Technology (no minor):**

#### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Management of Technology (no minor) must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### **General Education Requirements**

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	<b>Discipline/Course</b>	<b>Hours</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Note: ADP 301 is required for students that will be using prior learning credit to satisfy requirements for their MOT major</b>	
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Management of Technology majors must also take a management of technology-specific “pretest” while they are enrolled in MG 418 Management of Technology.

	<b>Management of Technology Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 353 Project Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 415 Technical Risk Management	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 418 Management of Technology	<b>3</b>
	MG 419 Technology Transfer and Commercialization	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>44</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Management of Technology majors should also complete a major-specific assessment exam in MG 419 Technology Transfer and Commercialization containing questions dealing with management of technology and risk assessment skills and competencies included in the curriculum.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements ( <b>ADP 301 required for students that will be using prior learning credit to satisfy requirements for their MOT major</b> )	<b>21</b>
	<b>Total Minimum Hours Required for Completion of Management of Technology Major (no minor)</b>	<b>124</b>

## Bachelor of Science - Management of Technology (with required minor)

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

Program components for the Bachelor of Science degree with a major in Management of Technology with a required minor:

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Management of Technology with Minor must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	3
	<b>Note: ADP 301 is required for students that will be using prior learning credit to satisfy requirements for their MOT major</b>	
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

**Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Management of Technology majors must also take a management of technology-specific “pretest” while they are enrolled in MG 418 Management of Technology.

	<b>Management of Technology Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 415 Technical Risk Management	<b>3</b>
	MG 390 Operations Management (Aerospace Systems Management minors may substitute MG 474)	<b>3</b>
	MG 418 Management of Technology	<b>3</b>
	MG 419 Technology Transfer and Commercialization	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>38</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Management of Technology majors should also complete a major-specific assessment exam in MG 419 Technology Transfer and Commercialization containing questions dealing with management of technology and risk assessment skills and competencies included in the curriculum.

**Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester. For details see the Minors section of this catalog.

<b>Course</b>	<b>Hours</b>
Required Courses for Minor (minimum 18 hours)	<b>18</b>
<b>College of Business Minor options:</b>	
Accounting	International Business
Acquisition & Contract Management	Logistics and Supply Chain Management
Advanced Manufacturing Mgmt.	
Aerospace Systems Management	Mgmt. of Cybersecurity Operations
Enterprise Systems Management	Marketing
Finance	Operations Management
Forensic Accounting	Project Management
Government Contract Accounting	
Health Care Management	Operations Management
Human Resource Management	Small Business/Entrepreneurship
Information Systems Management	Tailored Business Minor (must be approved by advisor)
	<b>Total Minor Requirement Hours:</b>
	<b>18</b>

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements ( <b>ADP 301 required for students that will be using prior learning credit to satisfy requirements for their MOT major</b> )	<b>9</b>
	<b>Total Minimum Hours Required for Completion of Management of Technology Major with Minor</b>	<b>124</b>



## OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT (OHSM)

The objective of the Occupational Health and Safety Management program is to provide a hands-on, practical and applied Bachelor of Science degree. The major is designed to assure the development of competencies that enable innovative approaches in the establishment and direction of comprehensive occupational health and safety management programs in educational, governmental and private business and industrial enterprises. The curriculum emphasizes compliance with regulations and standards, hazardous materials and waste, workplace design, workplace security, fleet safety, fire abatement, emergency preparedness, incident investigation, workplace training, cost containment, environmental permitting, sustainability and improving workplace conditions that impact an employee's well-being and safety management. In addition, this major provides an academic framework for future graduate study. The Occupational Health and Safety Management degree encompasses the traditional business curriculum which includes coursework in accounting, finance, management, marketing, management information systems, global business, strategic management, and production theories/concepts.

### Bachelor of Science – Occupational Health and Safety Management

**EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.**

**Program components for the Bachelor of Science degree with a major in Occupational Health & Safety Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Occupational Health and Safety Management must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one Fine Arts course or equivalent	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

**Professional Course Requirements**

**Courses are listed in the order they should be taken.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Occupational Health and Safety Management (OHSM) majors must also take the OHSM-specific “pretest” while they are enrolled in OHSM 300 Creating and Maintaining a Culture of Safety.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	OHSM 300 Creating and Maintaining a Culture of Safety	<b>3</b>
	OHSM 350 Risk Management and Security in the Workplace	<b>3</b>
	MG 349 Human Resources Management <b>or</b> BUS 276 Human Resource Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	OHSM 373 Hazard Analysis and Regulatory Compliance	<b>3</b>
	OHSM 385 Environmental Conservation Management	<b>3</b>
	OHSM 391 Ergonomics and Human Factors	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	OHSM 405 Injury Damage Incidents Evaluation and Reporting	<b>3</b>
	OHSM 448 Managing the Public Safety and Health Emergency	<b>3</b>
	OHSM 451 Environmental Health and Regulation	<b>3</b>
	OHSM 422 Safety Training and Development	<b>3</b>
	OHSM 425 Industrial Health Technology Management	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>1</b>
	MG 462 Internship in Management	<b>2</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>64</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Occupational Health and Safety Management majors should also complete a major-specific assessment exam in OHSM 425 Industrial Health Technology Management containing questions dealing with occupational health and safety management skills and competencies included in the curriculum.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>1</b>
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	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Occupational Health and Safety Management Major</b>	<b>124</b>

## College of Business Certificate Programs

The College of Business at Athens State University offers the following specialized certificates. **A grade of “C” or better must be achieved on all required courses.**

### Certificate in Accounting

	Course	Hours
	AC 305 Fundamentals of Accounting I	3
	AC 306 Fundamentals of Accounting II	3
	AC 315 Managerial Accounting	3
	AC 321 Intermediate Accounting I	3
	AC 322 Intermediate Accounting II	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Acquisition and Contract Management

	Course	Hours
	ACM 394 Introduction to Acquisition and Contract Management	3
	ACM 395 Acquisition and Contract Management Pricing	3
	ACM 396 Acquisition and Contract Management Administration	3
	ACM 397 Acquisition and Contract Management Negotiations	3
	ACM 398 Government Contract Law	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Advanced Manufacturing Management

	Course	Hours
	LSM 330 Logistics and Supply Chain Management in the Global Environment	3
	MG 392 Manufacturing Planning and Lean Production	3
	AMM 400 Technologies of Industry 4.0	3
	MG 430 Project Management Practicum	3
	<b>One of the following courses:</b> AMM 301 History of Manufacturing/Industry 4.0 AMM 302 Manufacturing Materials and Processes MG 320 Organizational Communication MG 349 Human Resources Management MG 390 Operations Management MG 421 Lean Six Sigma White Belt	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Aviation Management

	Course	Hours
	ASM 470 or MG 470 Introduction to Aviation Management	3
	ASM 471 or MG 471 Aviation Law	3
	ASM 472 or MG 472 Aviation Safety and Security Management	3
	ASM 474 or MG 474 General Aviation Management	3
	ASM 476 or MG 476 Federal Aviation Regulations Management	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Cybersecurity Operations

	Course	Hours
	MCO 409 Management of Cybersecurity	3
	MCO 410 Cybersecurity Administration and Operations Management	3
	MCO 412 Cybersecurity Management of Business Contingency & Resilience Planning	3
	<b>Two courses from the following:</b> ISM 401 Systems Design Management ISM 403 Data Communications Management ISM 404 Managing Information Resources ISM 408 E-Commerce Systems Management	6
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Forensic Accounting

	Course	Hours
	AC 312 Law for Accountants	3
	AC 442 Advanced Auditing and Fraud Examination	3
	AC 451 Forensic Accounting I	3
	AC 452 Forensic Accounting II	3
	<b>One course from the following:</b> AC 362 Federal Tax Accounting II AC 415 QuickBooks Accounting AC 431 Advanced Accounting AC 435 Governmental Accounting AC 441 Special Topics in Accounting GBA 314 Business Ethics MCO 409 Management of Cybersecurity	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Government Contract Accounting

	Course	Hours
	AC 303 Management Decision Support Systems	3
	AC 401 Auditing	3
	AC 411 Government Contract Accounting I	3
	AC 412 Government Contract Accounting II	3
	<b>One course from the following:</b> AC 312 Law for Accountants AC 315 Managerial Accounting AC 362 Federal Tax Accounting II AC 415 QuickBooks Accounting AC 431 Advanced Accounting AC 441 Special Topics in Accounting	3
	<b>Total Required Hours:</b>	<b>15</b>

## Certificate in Human Resource Management

	Course	Hours
	MG 349 Human Resources Management <b>Note:</b> <i>If a student is a current HR professional or has at least one year experience in HR, then a second course from the elective list may be substituted for MG 349 through the University Curriculum Adjustment process to best meet career objectives in targeted HR positions.</i>	3
	MG 410 Employment Law for Business	3
	MG 411 Compensation and Benefits	3
	MG 449 Advanced Human Resource Management	3
	<b>One course from the following:</b> MG 351 Labor/Management Relations MG 370 Performance Management in Organizations MG 450 Strategic HR Competencies and Professional Certification	3
	<b>Total Required Hours:</b>	<b>15</b>

## Certificate in Logistics and Supply Chain Management

	Course	Hours
	LSM 301 Introduction to Logistics and Supply Chain Management	3
	LSM 320 Logistics and Distribution	3
	LSM 330 Logistics and SCM in the Global Environment	3
	LSM 401 Logistics and Supply Chain Integration Techniques	3
	LSM 410 Logistics and Supply Chain Strategy	3
	<b>Total Required Hours:</b>	<b>15</b>

## Certificate in Management of Technology

	Course	Hours
	MG 353 Project Management	3
	MG 415 Technical Risk Management	3
	MG 417 Management of Change	3
	MG 418 Management of Technology	3
	MG 419 Technology Transfer and Commercialization	3
	<b>Total Required Hours:</b>	<b>15</b>

## Certificate in Marketing

	Course	Hours
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	3
	MK 335 Integrated Marketing Communications	3
	MK 337 Digital Marketing	3
	MK 431 Marketing Research	3
	MK 433 Marketing Strategies and Policies	3
	<b>Total Required Hours:</b>	<b>15</b>

**Certificate – Occupational Health and Safety Management**

	<b>Course</b>	<b>Hours</b>
	MG 346 Principles of Management and Leadership	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	OHSM 300 Creating and Maintaining a Culture of Safety	<b>3</b>
	OHSM 385 Environmental Conservation Management	<b>3</b>
	One course from the following: OHSM 350 Risk Management and Security in the Workplace OHSM 391 Ergonomics and Human Factors OHSM425 Industrial Health Technology Management	<b>3</b>
	<b>Total Required Hours</b>	<b>15</b>

**Certificate in Project Management**

	<b>Course</b>	<b>Hours</b>
	MG 353 Project Management	<b>3</b>
	MG 357 Project Detailed Scheduling and Planning	<b>3</b>
	MG 358 Project Initiation and Scope Management	<b>3</b>
	MG 405 Project Cost Control and Earned Value Management	<b>3</b>
	MG 413 Project Communication, Management and Leadership	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

**SAP Student Achievement Recognition Certificate**

	<b>Course</b>	<b>Hours</b>
	ESM 300 Enterprise Systems & Business Processes	<b>3</b>
	<b>Complete two of the following:</b> ESM 320 Human Capital Management Systems ESM 330 Accounting Information Systems ESM 410 Business Intelligence Systems ESM 420 Enterprise Systems Development ESM 425 Enterprise Systems Configuration	<b>6</b>
	<b>Total Required Hours:</b>	<b>9</b>

## **College of Business Micro-credentials (Badges)**

Micro-credentials (Badges) are listed as an award on the student's academic transcript. Faculty Advisors/Department Chairs must notify the Registrar's Office of any students eligible for this award. A grade of 'C' or higher is required on all coursework, as indicated below.

### **Micro-credential – Federal Tax Accounting**

Requirements for the Micro-credential (Badge) in Federal Tax Accounting (a grade of "C" or better must be achieved on all required courses; please consult course descriptions for possible prerequisites):

	Course	Hours
	AC 361 Federal Tax Accounting I	3
	AC 362 Federal Tax Accounting II	3
	<b>Total Required Hours</b>	<b>6</b>

### **Micro-credential – Forensic Accounting**

Requirements for the Micro-credential (Badge) in Forensic Accounting (a grade of "C" or better must be achieved on all required courses; please consult course descriptions for possible prerequisites):

	Course	Hours
	AC 451 or ACC 551 Forensic Accounting I	3
	AC 452 or ACC 552 Forensic Accounting II	3
	<b>Total Required Hours</b>	<b>6</b>

### **Micro-credential – Government Contract Accounting**

Requirements for the Micro-credential (Badge) in Government Contract Accounting (a grade of "C" or better must be achieved on all required courses; please consult course descriptions for possible prerequisites):

	Course	Hours
	AC 411 or ACC 511 Government Contract Accounting I	3
	AC 412 or ACC 512 Government Contract Accounting II	3
	<b>Total Required Hours</b>	<b>6</b>

### **Micro-credential – QuickBooks Accounting**

Requirements for the Micro-credential (Badge) in QuickBooks Accounting (a grade of "C" or better must be achieved on all required courses; please consult course descriptions for possible prerequisites):

	Course	Hours
	AC 415 QuickBooks Accounting	3
	<b>Total Required Hours</b>	<b>3</b>