

# Robert W. Plaster College of Business and Computer Science

Troy Bethards, Dean

Office: Taylor 103 - (417) 328-1757

<http://www.sbuniv.edu/academics/colleges/cobacs.php>

## Departments within the College

Accounting  
Business Administration

Computer and Information Science

## Mission Statement

The mission of the Robert W. Plaster College of Business and Computer Science is to provide educational programs in business, accounting, and computer and information sciences that integrate theories, concepts, and experiential applications with a Christian worldview.

## Vision Statement

The Robert W. Plaster College of Business and Computer Science is committed to strong academic programs, the integration of faith in discipline, and a continued pursuit of student success.

## Core Values

The Core Values of the Robert W. Plaster College of Business and Computer Science are:

1. Provide a student-focused education
2. Integrate Christian faith in discipline
3. Pursue continuous program review and improvement
4. Continue partnership development with current and potential employers

## Specialized Accreditation

The Computer Science program at Southwest Baptist University has been accredited by ABET.

The Accreditation Council for Business Schools and Programs (ACBSP) has accredited the following programs within the Robert W. Plaster College of Business and Computer Science (COBACS):

- Accounting, B.S.
- Business Administration (Traditional), B.S.
- Computer and Information Sciences, B.S.
- Master of Business Administration, M.B.A.

The traditional business administration programs that are accredited include Management, Marketing, Economics/Finance, Public Relations, and International Business. The programs offered by the Robert W. Plaster College

of Business and Computer Science that are not accredited by ACBSP include the General Business (Non-Traditional), B.S. which is offered on the Mountain View and Salem campuses. Furthermore, the following majors have been recent additions to the College and as a result are not currently accredited: Accounting & Information Assurance, Computational Finance, Web Systems and Design, and Sports Marketing.

## **Faith Integration**

Faculty in the College are committed to the University mission statement and to the College mission statement, which explicitly direct instruction of the College disciplines from the context of a Christian worldview. In addition to providing a strong and rigorous curriculum in each of our specialties, our duty as Christian scholars is to help frame both our discipline and the practice of that discipline within a biblical and more specifically, a Christian context. This commitment to integrate discipline with Christian faith and practice occurs throughout the courses taught within the College. Furthermore, the College has adopted Psalm 15 as a guiding principle for our students. The College is specifically dedicated to producing “Psalm 15 Professionals” for servant leadership roles in business and computer science. Using Psalm 15 as a basis, eight character traits that should be hallmarks of students and graduates of the College have been identified. These character traits are highlighted each semester and include: Integrity, Service, Respect, Charity, Faithfulness, Truthfulness, Humility, and Perseverance. Mandatory Psalm 15 Lectures are held each semester featuring guest lecturers who speak on the specific theme for that semester and relate personal experiences that highlight integrity and a Christian worldview for business leaders.

## **General Information**

The College offers undergraduate degree programs with majors and minors within three departments. Students in other fields of study are encouraged to minor in accounting, business administration, computer science, computer information science, economics as a minor, or information assurance in order to enhance their careers. In recognition of the importance of business and computer and information science knowledge for all citizens, several departments outside of the College have developed programs that include College courses. All policies of the University apply to students who major or minor in College programs. Students must satisfactorily complete 128 hours of approved course credit in order to graduate with a baccalaureate degree. The standard semester course load required in order to earn the baccalaureate degree in eight semesters (4 years) is 16 hours. Students must maintain a minimum GPA of 2.25 and earn no more than two “D” letter grades within the COBACS core curriculum. Students must also maintain a minimum GPA of 2.25 and earn no more than “D” letter grade within courses specific to the major (This does not apply to majors within the Accounting department. Refer to the Accounting Department for requirements related to their majors). All elective courses to be applied toward the major(s) and minor(s) must be approved by the student's advisor in the College. Students may complete two majors within one major in the Robert W. Plaster College of Business and Computer Science. The College faculty believes assessing educational outcomes in business is important. Outcomes assessment is a way to evaluate College programs and academic achievement of students in relation to similar colleges. Therefore, all graduating seniors are required to participate in an appropriate College exit exam.

## **Robert W. Plaster College of Business and Computer Science Core Curriculum (45 hours)**

**(Does not apply to Computer Science or to Web Systems and Design Majors)**

All students pursuing a major from the Robert W. Plaster College of Business and Computer Science (with the exception of Computer Science or Web Systems and Design) are required to complete a common body of knowledge, referred to as the “College Core Curriculum,” in addition to the University's general education requirements, graduation requirements and the courses required and approved for students' majors within the College. (Students majoring in Computer Science and Web Systems and Design do not take the “College Core Curriculum,” but are required to complete the Computer and Information Science Core, which has its own support curriculum with a greater math and science focus. Majors in Computer Information Science complete both the “College Core Curriculum” and the Computer and Information Science Core.) The 45-hour Robert W. Plaster College of Business and Computer Science Core Curriculum includes the following courses:

### COBACS Core Curriculum (45 hours)

ACC 2013	Principles of Financial Acct .....	3 hours	ECO 2033	Principles of Macroeconomics ...	3 hours
ACC 2043	Principles of Managerial Acct ...	3 hours	FIN 3053	Business Finance .....	3 hours
BUS 2013	Business Communications .....	3 hours	LDR 4043	Ethics and Professional Develop.	3 hours
*BUS 1193	Business Calculus (BA/ACC)		MGT 3013	Principles of Management .....	3 hours
or MAT 1173	Discrete Mathematics (CIS) .	3 hours	MGT 3033	Operations Management.....	3 hours
BUS 2023	Business Statistics .....	3 hours	MGT 4083	Strategic Management .....	3 hours
BUS 3073	Legal Environment of Business I.	3 hours	MKT 3023	Principles of Marketing .....	3 hours
CIS 3303	Systems Management.....	3 hours		<i>*Meets the University Mathematics General Education requirement</i>	
ECO 2023	Principles of Microeconomics....	3 hours			

## DEPARTMENT OF ACCOUNTING

Department Chair: Jenell Wagner

Office: Taylor 125 - (417) 328-1756

Faculty: Sharla Bailey, Kristin Edwards

The Department of Accounting provides programs of study to prepare Accounting graduates for diversified careers in the practice of public accounting, not-for-profit accounting, internal auditing, federal taxation, and general accounting management, all with a Christ-centered worldview in order to prepare the graduates to be servant leaders in a global society.

The Department of Accounting offers two Bachelor of Science degrees, one in Accounting with an academic program that covers the conceptual basis of accounting and the application of accounting concepts in current practice. The second degree in Accounting & Information Assurance includes the Accounting major and additional coursework principally in Computer Information Science. This expanded degree prepares the graduate with a fundamental understanding of accounting practices, information system design, data management and security, and data forensic principles. Accounting graduates are in high demand in business, government and non-profit organizations. A minor is also available in Accounting.

Students applying for the CPA exam must meet the Missouri State Board of Accountancy requirement of completing 150 hours of college credit. Accounting majors may consider additional undergraduate or graduate course work at SBU to satisfy the 150-hour requirement. The Accounting & Information Assurance major virtually assures 150 college credit hours will be earned.

In order to progress into the accounting major or minor and be eligible to enroll in ACC 3023 or ACC 3024, a student must have at least a 3.00 cumulative GPA in all previous accounting classes, a 2.85 cumulative GPA in all classes taken at SBU, and at least a “B” grade in BUS/MAT 1193, MAT 1195, or its equivalent. Remedial courses such as ENG 0103, MAT 0103, and MAT 0123 do not count toward the 2.85 overall GPA. Transfers to SBU must have at least a cumulative 2.85 GPA and must meet the above requirements concerning GPA on classes taken at SBU before becoming eligible for upper-level Accounting courses. Accounting majors or minors must make at least a “C” grade in all upper-level (3000 and above) accounting coursework.

### Accounting Major - B.S. Degree (39 hours)

In addition to the “College Core Curriculum” of 45 hours, the Accounting major must complete the following requirements:

ACC 3023	Managerial Cost Accounting .....	3 hours
ACC 3024	Intermediate Accounting I .....	4 hours
ACC 3034	Intermediate Accounting II .....	4 hours
ACC 3033	Accounting Information Systems .....	3 hours
ACC 3063	Tax Accounting I .....	3 hours

ACC 3073	Tax Accounting II .....	3 hours
ACC 3133	Financial Information Applications & Analysis.....	3 hours
ACC 4013	Advanced Accounting .....	3 hours
ACC 4044	Auditing.....	4 hours
ACC 4053	Accounting for Government and Not-for-Profit Entities.....	3 hours
BUS 3083	Business Enterprise/Debtor and Creditor Rights .....	3 hours
ECO 3023	Money and Banking .....	3 hours

### **Accounting & Information Assurance Major - B.S. Degree (58 hours)**

In addition to the “College Core Curriculum” of 45 hours, the Accounting & Information Assurance major must complete the following requirements:

ACC 3023	Managerial Cost Accounting .....	3 hours
ACC 3024	Intermediate Accounting I.....	4 hours
ACC 3033	Accounting Information Systems .....	3 hours
ACC 3034	Intermediate Accounting II.....	4 hours
ACC 3063	Tax Accounting I.....	3 hours
ACC 3073	Tax Accounting II .....	3 hours
ACC 3133	Financial Information Applications & Analysis.....	3 hours
ACC 4013	Advanced Accounting .....	3 hours
ACC 4044	Auditing.....	4 hours
ACC 4053	Accounting for Government and Not-for-Profit Entities.....	3 hours
BUS 3083	Business Enterprise Debtor and Creditor Rights .....	3 hours
CIS 1144	Computer Science I .....	4 hours
CIS 1163	Introduction to Cybersecurity .....	3 hours
CIS 2033	Principles of Information Assurance .....	3 hours
CIS 2213	Introduction to Systems Analysis and Design .....	3 hours
CIS 3013	Digital Forensics Principles and Practices.....	3 hours
CIS 3323	Database Management.....	3 hours
ECO 3023	Money and Banking .....	3 hours

## **DEPARTMENT OF BUSINESS ADMINISTRATION**

Department Chair: Angela Brown-Peterson

Office: Taylor 123 - (417) 328-1754

Faculty: Troy Bethards, Aaron Black, Mary Blair, Levi Bridge,

Rod Minatra, Mel Steele, Nathan Wright, John Zietlow

Faculty Associates: Michael Calhoun, Ryder King,

Jeremy MacLaughlin, William Marr, Alexis Neal

The Department of Business Administration provides a broad curriculum of study in business-related courses with a Christ-centered worldview, preparing students for diverse, ever-changing, global careers, and equipping them for continued education and service.

The Bachelor of Science degree is offered in seven majors including: Computational Finance, Economics/Finance, International Business, Marketing, Management, Public Relations, and Sports Marketing. A Bachelor of Science degree in General Business is also offered for non-traditional students. Programs of study leading to minors in Business Administration and Economics are offered as well. The Associate of Science and the Associate of Applied Science degrees in Business are also offered. Economics/Finance majors/minors must receive at least a grade of C in ECO 2023 and ECO 2033 to continue with the aforementioned majors/minors.

**Computational Finance Major - B.S. Degree (29-35 hours)**

In addition to the “College Core Curriculum” of 45 hours, the Computational Finance major must complete the following requirements:

CIS1033	Foundations of Computer Science* .....	3 hours
CIS 1144	Computer Science I.....	4 hours
CIS 1154	Computer Science II .....	4 hours
CIS 2253	Web Engineering and Development .....	3 hours
ECO 3023	Money and Banking.....	3 hours
FIN 3003	Personal Financial Planning.....	3 hours
FIN 4033	Introduction to Derivatives .....	3 hours
FIN 4053	Investments .....	3 hours
FIN 4073	Insurance.....	3 hours
MAT 1173	Discrete Mathematics** .....	3 hours
<i>Plus 3 hours upper-level COBACS courses.....</i>		<i>3 hours</i>

\*CIS 1033 can replace the general education requirement CIS 1103.  
\*\*MAT 1173 can replace the “College Core Curriculum” requirement BUS 1193.

**Economics/Finance Major - B.S. Degree (27 hours)**

In addition to the “College Core Curriculum” of 45 hours, the Economics/Finance major must complete the following requirements:

ECO 3023	Money and Banking.....	3 hours
ECO 3043	Managerial Economics .....	3 hours
ECO/FIN 4173	History of Finance and Economic Thought .....	3 hours
FIN 3003	Personal Financial Planning.....	3 hours
<i>Plus 3 hours upper-level COBACS courses.....</i>		<i>3 hours</i>
<i>Plus 4 of the following courses: .....</i>		<i>12 hours</i>
ACC 3063	Tax Accounting I	
ECO 3053	International Economics/Finance	
FIN 4033	Introduction to Derivatives	
FIN 4053	Investments	
FIN 4073	Insurance	

**International Business Major - B.S. Degree (27-29 hours)**

In addition to the “College Core Curriculum” of 45 hours, the International Business major must complete the following requirements:

BUS 4053	International Business.....	3 hours
BUS 4773*	International Experience .....	3 hours
ECO 3053	International Economics/Finance.....	3 hours
ECO/FIN 4173	History of Finance and Economic Thought .....	3 hours
ICS 4313	World Religions.....	3 hours
MKT 4253	Digital and Social Media Marketing.....	3 hours
COM 3333	Intercultural Communication <i>or</i>	
POL 3313	International Relations <i>or</i>	
POL 3323	Comparative Government.....	3 hours
<i>Plus 6-8 hours of Modern Language <i>or</i></i>		
<i>Second Language Proficiency and 6 hours of upper-level COBACS courses.....</i>		<i>6-8 hours</i>

\*This requirement may be replaced with a study abroad semester.

### Management Major - B.S. Degree (27 hours)

In addition to the “College Core Curriculum” of 45 hours, the Management major must complete the following requirements:

BUS 4053	International Business .....	3 hours
ECO 3043	Managerial Economics .....	3 hours
FIN 3003	Personal Financial Planning .....	3 hours
MGT 4033	Human Resource Management.....	3 hours
MGT 4043	Organizational Behavior and Theory .....	3 hours
MGT 4063	Entrepreneurship and Small Business .....	3 hours
MGT/MKT 4153	Retailing .....	3 hours
MKT 4023	Marketing Management.....	3 hours
<i>Plus 3 hours upper-level COBACS courses .....</i>		<i>3 hours</i>

### Marketing Major - B.S. Degree (30 hours)

In addition to the “College Core Curriculum” of 45 hours, the Marketing major must complete the following requirements:

ART 1103	Design.....	3 hours
ART 2703	Introduction to Graphic Design .....	3 hours
BUS 4053	International Business .....	3 hours
MKT 3033	Consumer Behavior .....	3 hours
MKT 3073	Professional Selling.....	3 hours
MKT 3083	Advertising.....	3 hours
MKT 4013	Marketing Research.....	3 hours
MKT 4023	Marketing Management.....	3 hours
MKT/MGT 4153	Retailing .....	3 hours
MKT 4253	Digital and Social Media Marketing.....	3 hours

### Public Relations Major - B.S. Degree (30 hours)

In addition to the “College Core Curriculum” of 45 hours, the Public Relations major must complete the following requirements:

ART 1103	Design.....	3 hours
ART 2703	Introduction to Graphic Design .....	3 hours
BUS 4983	Internship in Business.....	3 hours
COM 2233	Introduction to Public Relations .....	3 hours
COM 3313	Advanced Public Speaking.....	3 hours
COM 3373	Newspaper Writing and Editing .....	3 hours
MKT 3033	Consumer Behavior .....	3 hours
MKT 3083	Advertising .....	3 hours
MKT 4253	Digital and Social Media Marketing.....	3 hours
<i>Plus 1 of the following 3 options:.....</i>		<i>3 hours</i>
COM 3163	Nonprofit Public Relations	
COM 3263	Public Relations and Crisis Management	
MGT 4033	Human Resource Management	

### Sports Marketing Major - B.S. Degree (32 hours)

In addition to the “College Core Curriculum” of 45 hours, the Sports Marketing major must complete the following requirements:

ART 1103	Design.....	3 hours
ART 2703	Introduction to Graphic Design .....	3 hours
BUS 4983	Internship in Business.....	3 hours
KIN 2092	Athletic Facilities .....	2 hours

KIN 4013	Sport in American Society .....	3 hours
MKT 3033	Consumer Behavior .....	3 hours
MKT 3073	Professional Selling .....	3 hours
MKT 3083	Advertising .....	3 hours
MKT 4023	Marketing Management .....	3 hours
MKT 4253	Digital and Social Media Marketing .....	3 hours
PSY 3393	Introduction to Sports Psychology .....	3 hours

**General Business Major - B.S. Degree (54 hours)**

The Bachelor of Science degree in General Business requires completion of a modified “College Core Curriculum” (39 hours) and an additional 15 hours of business courses, as well as all general education and graduation requirements for the Bachelor of Science degree. Utilizing online courses, the B.S. degree in General Business is designed for non-traditional students enrolled primarily through the University branch campuses in Mountain View, Salem, and Springfield. Information about this program can be obtained from the designated advisor at the campus or from the respective campus director.

The General Business major must complete the following requirements:

The “College Core Curriculum” <i>except for</i> BUS 1193 Business Calculus,		
	CIS 3303 Systems Management .....	39 hours
FIN 3003	Personal Financial Planning .....	3 hours
MGT 4033	Human Resource Management .....	3 hours
MGT 4043	Organizational Behavior and Theory .....	3 hours
MGT 4063	Entrepreneurship and Small Business .....	3 hours
MKT 3033	Consumer Behavior .....	3 hours

**DEPARTMENT OF COMPUTER AND  
INFORMATION SCIENCES**

Department Chair: Tim DeClue  
Office: Taylor 107 - (417) 328-1704  
Faculty: James Cain, Meilani Conley,  
Jeffrey Kimball, Baochuan Lu  
Faculty Associate: Shelly Brown, Angela Carr

The mission of the Computer and Information Sciences Department is to provide a sound educational foundation to students in the disciplines of information and computer science from a Christian perspective.

The Program Educational Objectives of the Computer and Information Sciences Department enable graduates to:

1. Communicate effectively with their peers, clients, supervisors and other professional work constituents using both written and oral communication.
2. Understand how to make rational decisions when faced with social, ethical, and legal issues inherent to the computing field.
3. Apply the theoretical framework in the computer and information sciences to the analysis, design, and implementation of problem solutions and systems.
4. Employ the use of computing technology from a Christian perspective as technological servant leaders within their chosen career.
5. Pursue advanced degrees, continued professional development, and research.

The Department of Computer and Information Sciences provides students with a contemporary curriculum of study in computing to prepare them for careers in information processing, web software development or computer science and for

graduate or professional study. The department offers a Bachelor of Science (B.S.) Degree with a majors in Computer Science, Computer Information Science, and Web Systems and Design. The department also offers programs of study leading to a minor in Computer Science, Computer Information Science, or Information Assurance. Courses that provide general computational knowledge for students not seeking a degree offered by the Computer and Information Sciences Department are also offered.

The Bachelor of Science degree with a major in Computer Science (CS), Computer Information Science (CIS), or Web Systems and Design (WS&D) requires a minimum of 128 semester hours of credit. The majors require 28 semester hours of credit from CIS Core Curriculum and additional semester hours of credit from specific CIS support courses or the “College Core Curriculum”. Remaining semester credit hours are earned from general education courses, major support courses and free electives.

### Computer and Information Sciences Core Curriculum (28 hours)

CIS 1001	CIS Seminar .....	1 hour	CIS 1154 requires that CIS 1001 and MAT 1173 be taken as co-requisites
CIS 1144	Computer Science I.....	4 hours	
CIS 1154	Computer Science II .....	4 hours	CIS 2013 Networks .....
CIS 2213	Systems Analysis and Design. ....	3 hours	3 hours
CIS 3413	Machine Organization.....	3 hours	CIS 3323 Database Management .....
CIS 1144 requires that MAT 1143 or MAT 1195 be taken as a co-requisite			3 hours
			CIS 3333 Algorithms and Data Structures ...
			3 hours
			CIS 4462 Applied Software Engineering I... 2 hours
			CIS 4472 Applied Software Engineering II.. 2 hours

### Computer Science Major - B.S. Degree

Designed for students interested in pursuing graduate study in computer science or who are interested in careers involving scientific information processing or software engineering. Students will complete the following courses:

**CIS Core ..... 28 hours**

#### CIS and Other Support (49-50 hours)

CIS 3353	Programming Languages and Artificial Intelligence.....	3 hours
CIS 4423	Operating Systems .....	3 hours
CIS 4433	Numerical Methods .....	3 hours
<i>One of the following four courses: CIS 2002, 2253, 3113, 3313, or 3363.....</i>		
		2-3 hours
MAT 1173	Discrete Mathematics .....	3 hours
MAT 1195	Calculus I .....	5 hours
MAT 2255	Calculus II .....	5 hours
MAT 2263	Calculus III .....	3 hours
MAT 3323	Linear Algebra.....	3 hours
MAT 3343	Mathematical Statistics.....	3 hours
PHY 2215	University Physics I.....	5 hours
5 hours from physics, chemistry, biology, or mathematics .....		
		5 hours
ECO 2023	Principles of Microeconomics .....	3 hours
LDR 4043	Ethics and Professional Development .....	3 hours

### Computer Information Science Major – B.S. Degree

The courses below are in addition to CIS Core Curriculum and “College Core Curriculum”. They are designed for students desiring a career in business-related information processing. Students will complete the following courses:

**CIS Core ..... 28 hours**  
**COBACS Core ..... 45 hours**



**CIS and Other Support (11-12 hours)**

CIS 2253	Web Engineering .....	3 hours
CIS 3313	Advanced Systems Analysis and Design .....	3 hours
<i>One of the following four courses: CIS 3033, CIS 3113, CIS 3353, or CIS 3363.....</i>		
MAT 1173	Discrete Mathematics .....	3 hours

**Computer Science Education Major Degree Requirements – B.S. Degree**

The Computer Science Education degree is a total of 128 hours. Although this degree is tailored for students desiring to teach computer science, *Computer Science Education majors are not able to earn computer science education certification in the state of Missouri as the certificate does not currently exist.*

**Required General Education Courses (42 hours)**

Note: CIS 1033 is the required and MAT 1143 or higher math is required. MAT 1143 (or higher math class) is a required co-requisite with CIS 1154.

**Required General Education Courses (10 hours)**

**Required CIS Core Courses (24 hours)**

CIS 1001	Seminar in Computer & Information Science.....	1 hour
CIS 1144	Computer Science I.....	4 hours
CIS 1154	Computer Science II .....	4 hours
CIS 2003	Web Design .....	3 hours
CIS 2013	Networks.....	3 hours
CIS 2213	Systems Analysis and Design .....	3 hours
CIS 3333	Algorithms and Data Structures.....	3 hours
CIS 3413	Machine Organization.....	3 hours

**Required Support Courses (8 hours)**

MAT 1173	Discrete Mathematics (co-requisite with CIS 1154).....	3 hours
Elective	.....	2 hours
SOC/PSY 3243	Elementary Statistics .....	3 hours

**Required EDU Support Courses (44 hours)**

EDU 2113	Educational Psychology.....	3 hours
EDU 2141	Field Experience Level 1 .....	1 hour
EDU 2313	Foundations of Education .....	3 hours
EDU 2823	Technology for Educators.....	3 hours
EDU 3013	Analyzing and Amending Reading Problems.....	3 hours
EDU 3043	Learner Development and the Classroom.....	3 hours
EDU 3333	Principles and Methods of Secondary Instruction .....	3 hours
EDU 3341	Field Experience Level 2 .....	1 hour
EDU 3613	Content Area Literacy.....	3 hours
EDU 3833	Behavior and Classroom Management - Secondary .....	3 hours
EDU 4213	Methods of Teaching Computer Science .....	3 hours
EDU 4691	Student Teaching Seminar .....	1 hour
EDU 4832	Assessment and Evaluation of Learners .....	2 hours
EDU 4842	Teaching Diverse Learners .....	2 hours
EDU 4949	Student Teaching in the Secondary School.....	10 hours

### Cybersecurity Major - B.S. Degree

The courses below are in addition to CIS Core Curriculum. They are designed for students desiring a career in cybersecurity and information assurance, especially as they relate to software engineering. Students will complete the following courses:

**CIS Core ..... 28 hours**

**CIS and Other Support (57 hours)**

- CIS 1033 Foundations of Computer Science.....3 hours
- CIS 1163 Introduction to Cybersecurity.....3 hours
- CIS 2033 Principles of Information Assurance.....3 hours
- CIS 2043 System Administration.....3 hours
- CIS 3013 Digital Forensics.....3 hours
- CIS 3023 Network Security.....3 hours
- CIS 3033 Secure Software.....3 hours
- CIS 4423 Operating Systems.....3 hours
- CIS 4453 Systems Security.....3 hours
- CIS 4463 Ethical Hacking.....3 hours
- MAT 1173 Discrete Mathematics.....3 hours
- MAT 1193 Business Calculus.....3 hours
- MAT 3343 Mathematical Statistics.....3 hours
- MAT 4343 Mathematical Statistics II.....3 hours
- LDR 4043 Ethics and Professional Development.....3 hours
- ECO 2023 Principles of Microeconomics.....3 hours
- PSY 2033 Social Engineering.....3 hours
- CRJ 2313 Introduction to Criminal Justice.....3 hours
- One of the following three courses: BUS 3073, SOC 4033, CRJ 4333.....3 hours*

### Web Systems and Design Major - B.S. Degree

The courses below are in addition to CIS Core Curriculum. They are designed for students desiring a career in designing, implementing, and managing web and mobile software systems, especially as they relate to software engineering, visual content and business value. Students will complete the following courses:

**CIS Core ..... 28 hours**

**CIS and Other Support (48 hours)**

**CIS**

- CIS 2003 Web Design ..... 3 hours
- CIS 2253 Web Engineering ..... 3 hours
- CIS 3113 Interface and Interaction Design..... 3 hours
- CIS 3313 Advanced Systems Analysis and Design..... 3 hours
- CIS 3363 Mobile App Development ..... 3 hours

**Other Support**

- ART 1/2000 level courses ..... 6 hours
- ART 3/4000 level course..... 3 hours
- BUS 2023 Business Statistics ..... 3 hours
- ECO 2023 Principles of Microeconomics ..... 3 hours
- LDR 4043 Ethics and Professional Development ..... 3 hours
- MAT 1173 Discrete Mathematics ..... 3 hours
- MKT 3023 Principles of Marketing ..... 3 hours
- MKT 4253 Social Media Marketing ..... 3 hours
- One of the following three courses: COM 3333, COM 3353, ENG 4003 ..... 3 hours*
- Upper-level Elective..... 3 hours

## **BUSINESS AND COMPUTER SCIENCE ASSOCIATE DEGREES AND MINOR PROGRAMS**

### **Associate of Science in Business**

Associate degree students in business are required to complete specified University general education requirements and graduation requirements in addition to the required business courses in their concentrations. Matriculation into a baccalaureate degree program is thereby enabled. **At least 64 credit hours must be earned for an Associate of Science degree.**

#### **Associate of Science in Business - A.S. Degree (15 hours)**

Designed for students seeking a two-year degree with general concentration in the area of business.

##### **Business Courses (15 hours)**

ACC 2013	Principles of Financial Accounting.....	3 hours
BUS 2013	Business Communications .....	3 hours
ECO 2033*	Principles of Macroeconomics.....	3 hours
MGT 3013	Principles of Management .....	3 hours
MKT 3023	Principles of Marketing .....	3 hours

\*ECO 2023 Principles of Microeconomics must be taken to fulfill the General Education requirement.

### **Associate of Applied Science in Business**

Associate of Applied Science (A.A.S.) degree students in business are required to complete specified University general education requirements and graduation requirements in addition to the required business courses. See guidelines for the A.A.S. degree. **At least 64 credit hours must be earned for an Associate of Applied Science degree.**

#### **Associate of Applied Science in Business - A.A.S. Degree (33 hours)**

Designed primarily for non-traditional students with a general concentration in the area of business. General education requirements for the A.S. and A.A.S. degrees differ.

##### **Business Courses (33 hours)**

ACC 2013	Principles of Financial Accounting.....	3 hours
ACC 2043	Principles of Managerial Accounting .....	3 hours
BUS 2013	Business Communications .....	3 hours
ECO 2023*	Principles of Microeconomics .....	3 hours
ECO 2033	Principles of Macroeconomics.....	3 hours
MGT 3013	Principles of Management .....	3 hours
MKT 3023	Principles of Marketing .....	3 hours
Elective Courses in Business.....		12 hours

\*ECO 2023 fulfills the General Education requirement.

### **College of Business and Computer Science Minors**

Students may complete minors in Accounting, Business Administration, Computer Science, Computer Information Science, Economics, Information Assurance or Leadership (an interdisciplinary minor). Electives must be approved by the program advisor in the Robert W. Plaster College of Business and Computer Science. Course requirements are as follows:

**Accounting Minor (19-20 hours)**

ACC 2013	Principles of Financial Accounting .....	3 hours
ACC 2043	Principles of Managerial Accounting .....	3 hours
ACC 3024	Intermediate Accounting I .....	4 hours
ACC 3023	Managerial Cost Accounting .....	3 hours
ACC 3063	Tax Accounting I .....	3 hours
Accounting Elective(s): Junior or Senior level .....		3-4 hours

**Business Administration Minor (21 hours)**

(Not available to students with majors in the Robert W. Plaster College of Business and Computer Science except for Computer Science, Cybersecurity, and Web Systems and Design majors.)

ACC 2013	Principles of Financial Accounting .....	3 hours
ACC 2043	Principles of Managerial Accounting .....	3 hours
BUS 2023	Business Statistics .....	3 hours
ECO 2023	Principles of Microeconomics .....	3 hours
ECO 2033	Principles of Macroeconomics .....	3 hours
MGT 3013	Principles of Management .....	3 hours
MKT 3023	Principles of Marketing .....	3 hours

*The courses required in the business administration minor are all prerequisites for SBU's M.B.A. program. FIN 3053 Business Finance is also a prerequisite for the M.B.A. program but is not a requirement for the business administration minor.*

**Economics Minor (18 hours)**

ECO 2023	Principles of Microeconomics .....	3 hours
ECO 2033	Principles of Macroeconomics .....	3 hours
ECO 3023	Money and Banking .....	3 hours
Select three of the following courses: .....		9 hours
ECO 3043	Managerial Economics	
ECO 3053	International Economics/Finance	
ECO/FIN 4173	History of Finance and Economic Thought	
FIN 4053	Investments	
FIN 4073	Insurance	

**Computer Science Minor (21 hours)**

(Not available as a joint minor with Web Systems and Design major, Cybersecurity major, CIS major or CIS minor)

CIS 1001	Seminar in Computer and Information Sciences .....	1 hour
CIS 1144	Computer Science I .....	4 hours
CIS 1154	Computer Science II .....	4 hours
CIS 3413	Machine Organization .....	3 hours
MAT 1173	Discrete Mathematics .....	3 hours
CIS 2000 level or above .....		6 hours

**Computer Information Science Minor (21 hours)**

(Not available as a joint minor with Web Systems and Design major, Cybersecurity major, CS major or CS minor)

CIS 1001	Seminar in Computer and Information Sciences .....	1 hour
CIS 1144	Computer Science I .....	4 hours
CIS 1154	Computer Science II .....	4 hours
CIS 2213	Introduction to Systems Analysis and Design .....	3 hours
MAT 1173	Discrete Mathematics .....	3 hours
CIS 2000 level or above .....		6 hours

**Cybersecurity Minor (25 hours)\***

CIS 1144	Computer Science I .....	4 hours
CIS 1163	Introduction to Cybersecurity .....	3 hours

CIS 2033	Principles of Information Assurance .....	3 hours
CIS 2213	Introduction to Systems Analysis and Design .....	3 hours
CIS 3033	Secure Software .....	3 hours
CIS 3013	Digital Forensics Principles and Practices .....	3 hours
CIS 3323	Database Management .....	3 hours
Select one of the following courses		
CIS 4423	Operating Systems .....	3 hours
CRJ 2313	Introduction to Criminal Justice.....	3 hours
ENG 4003	Technical Writing .....	3 hours
BUS 3073	Legal Environment of Business I.....	3 hours
LDR 4043	Ethics and Professional Development .....	3 hours

\*NOTE: Students with majors in the CIS Department may not count LDR 4043 toward a Cybersecurity minor. Computer Information Science majors may not count BUS 3073 toward a Cybersecurity minor. Web Systems and Design majors may not count ENG 4003 toward a Cybersecurity minor. Computer Science majors may not count CIS 4423 towards a Cybersecurity minor. Some courses have prerequisites.

**Information Assurance Minor (22 hours)**

CIS 1144	Computer Science I.....	4 hours
CIS 2033	Principles of Information Assurance .....	3 hours
CIS 2213	Introduction to Systems Analysis and Design .....	3 hours
CIS 3013	Digital Forensics Principles and Practices .....	3 hours
CIS 3323	Database Management .....	3 hours
Select two of the following courses		
BUS 3073	Legal Environment of Business I.....	3 hours
CRJ 2313	Introduction to Criminal Justice.....	3 hours
ENG 4003	Technical Writing .....	3 hours
LDR 4043	Ethics and Professional Development .....	3 hours

NOTE: Students with majors in the CIS Department may not count LDR 4043 toward an Information Assurance minor. Computer Information Science majors may not count BUS 3073 toward an Information Assurance minor. Web Systems and Design majors may not count ENG 4003 toward an Information Assurance minor.

**Leadership Minor (21 hours - Salem campus only)**

LDR 2023	Introduction to Leadership .....	3 hours
LDR 3023	Leadership Development in Organizations .....	3 hours
LDR 4043	Ethics and Professional Development .....	3 hours
LDR 4773	Contemporary Issues in Leadership (capstone) .....	3 hours
PHI 4043	Ethics in Decision Making.....	3 hours
POL 2223	American State and Local Government .....	3 hours
SOC 3063	Community Sociology .....	3 hours

A maximum of three hours may be taken to satisfy a minor requirement and a major requirement. Eighteen hours must be unduplicated and satisfied by course work chosen in consultation with and approval from the advisor. This minor is available only on the Salem campus and is not part of the business curriculum as it relates to the Robert W. Plaster College of Business and Computer Science’s accreditation through ACBSP.