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

<table>
<thead>
<tr>
<th>Accounting</th>
<th>Computer and Information Science</th>
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</thead>
<tbody>
<tr>
<td>Business Administration</td>
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</tbody>
</table>

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
ACC 2043  Principles of Managerial Acct ... 3 hours
BUS 2013  Business Communications .......... 3 hours
*BUS 1193  Business Calculus (BA/ACC) or
         MAT 1173 Discrete Mathematics (CIS) . 3 hours
BUS 2023  Business Statistics ................. 3 hours
BUS 3073  Legal Environment of Business I . 3 hours
CIS 3303  Systems Management................... 3 hours
ECO 2023  Principles of Microeconomics.... 3 hours

ECO 2033  Principles of Macroeconomics ... 3 hours
FIN 3053  Business Finance.................... 3 hours
LDR 4043  Ethics and Professional Develop.3 hours
MGT 3013  Principles of Management......... 3 hours
MGT 3033  Operations Management.......... 3 hours
MGT 4083  Strategic Management.......... 3 hours
MKT 3023  Principles of Marketing......... 3 hours

*Meets the University Mathematics General Education
requirement

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 3075  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:

- CIS 1033 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
- Plus 3 hours upper-level COBACS courses ................................................................. 3 hours

* 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
- Plus 3 hours upper-level COBACS courses .................................................................. 3 hours
- Plus 4 of the following courses: .................................................................................... 12 hours
  - 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 or
- POL 3313 International Relations or
- POL 3323 Comparative Government ......................................................................... 3 hours
- Plus 6-8 hours of Modern Language or
- Second Language Proficiency and 6 hours of upper-level COBACS courses .......... 6-8 hours

*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
- Plus 3 hours upper-level COBACS courses .................................................. 3 hours

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 3073 Professional Selling ....................................................................... 3 hours
- MKT 3083 Advertising .................................................................................... 3 hours
- MKT 4013 Marketing Research ....................................................................... 3 hours
- MKT 4023 Marketing Management ............................................................... 3 hours
- MKT/MKT 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
- Plus 1 of the following 3 options: ................................................................. 3 hours
  - 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” except for 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 1001</td>
<td>CIS Seminar</td>
<td>1 hour</td>
</tr>
<tr>
<td>CIS 1144</td>
<td>Computer Science I</td>
<td>4 hours</td>
</tr>
<tr>
<td>CIS 1154</td>
<td>Computer Science II</td>
<td>4 hours</td>
</tr>
<tr>
<td>CIS 2213</td>
<td>Systems Analysis and Design</td>
<td>3 hours</td>
</tr>
<tr>
<td>CIS 3413</td>
<td>Machine Organization</td>
<td>3 hours</td>
</tr>
<tr>
<td>CIS 1144</td>
<td>requires that MAT 1143 or MAT 1195 be taken as a co-requisite</td>
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</table>

CIS 1154 requires that CIS 1001 and MAT 1173 be taken as co-requisites

### 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 1154</td>
<td>Programming Languages and Artificial Intelligence</td>
<td>3 hours</td>
</tr>
<tr>
<td>CIS 4423</td>
<td>Operating Systems</td>
<td>3 hours</td>
</tr>
<tr>
<td>CIS 4433</td>
<td>Numerical Methods</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

**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

One of the following four courses: CIS 3033, CIS 3113, CIS 3353, or CIS 3363 .... 2-3 hours

- 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACC 2013</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 2013</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2033*</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3013</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3023</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

*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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2013</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2043</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 2013</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023*</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2033</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3013</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3023</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

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:

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Robert W. Plaster College of Business and Computer Science
2017-2018 Undergraduate Catalog
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.