

# ACADEMIC MAP

## Information Technology-Programming, Bachelor of Applied Arts and Sciences



### First Year

Fall		Hours
UNIV 1101	University Seminar I	1
ENGL 1301	Writing and Rhetoric I	3
POLS 2306	State and Local Government	3
College Core		3
College Core		3
College Core		3
<b>Hours</b>		<b>16</b>

### Spring

UNIV 1102	University Seminar II	1
ENGL 1302	Writing and Rhetoric II or COMM 1311 or Foundation of Communication	3
MATH 1314	College Algebra	3
College Core		3
College Core		3
College Core		3
<b>Hours</b>		<b>16</b>

### Second Year

Fall		Hours
College Core		3
MATH 1316	Trigonometry	3
HIST 1301	U.S. History to 1865	3
PSYC 2301	General Psychology	3
COSC 1435	Introduction to Problem Solving with Computers I	4
<b>Hours</b>		<b>16</b>

### Spring

College Core		3
College Core		3
HIST 1302	U.S. History Since 1865	3
POLS 2305	U.S. Government and Politics	3
MATH 2305	Discrete Mathematics I	3
<b>Hours</b>		<b>15</b>

### Third Year

Fall		Hours
COSC 1436	Introduction to Problem Solving with Computers II	4
MGMT 3310	Principles of Management	3
BAIS 2301	Computer Applications in Business	3
Language, Philosophy & Culture Core Requirement		3
Life & Physical Science Core Requirement		3
<b>Hours</b>		<b>16</b>

### Spring

Component Area Option Core Requirement		3
COSC 2437	Data Structures	4
BAIS 3310	Management Information Systems Concepts	3
Component Area Option Core Requirement		3
Life & Physical Science Core Requirement		3
<b>Hours</b>		<b>16</b>

### Fourth Year

Fall		Hours
COSC Upper Division Elective		3
Creative Arts Core Requirement		3
COSC 3336	Introduction to Database Systems	3
Upper Divisional Elective		3
Upper Divisional Elective		3
<b>Hours</b>		<b>15</b>

### Spring

UNIV 4350	University Studies Capstone	3
Upper Divisional Elective		3
Upper Divisional Elective		3
Upper Divisional Elective		3
Upper Divisional Elective		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>125</b>



# CAREER MAP

## INFORMATION TECHNOLOGY-PROGRAMMING

### *Bachelor of Applied Arts and Sciences*



FINISH IN



The BAAS information technology track provides students with a broad understanding of basic computer languages, systems, software and hardware, giving them a firm foundation for a variety of careers such as personal computer technician, network administrator, database manager, information security technician, and computer technology manager within commercial, industrial, educational and government organizations.

### CONTACT INFORMATION

**Career Counselor:**

Career and Professional  
Development Center | UC 304  
361.825.2628 |  
career.center@tamucc.edu

**Internship Coordinator:**

Bachelor of Applied Arts and  
Sciences (BAAS) | FC 104 |  
bass@tamucc.edu

**Department Contact:**

Bachelor of Applied Arts and  
Sciences (BAAS) | FC 104 |  
bass@tamucc.edu

### CAREER OPTIONS

- Personal computer technician
- Computer technology manager
- Database manager
- Web developer
- Software application developer

### SKILLS/ATTRIBUTES

- Critical Thinking/Problem Solving
- Oral/Written Communications
- Career Management

### STUDENT ORGANIZATIONS

- Islander Women in Computer Science
- SACNAS Chapter at Texas A&M-Corpus Christi
- Advancement of Women in Science
- Computing Alliance of Hispanic Serving Institutions
- Cyber Defense Team