

University of Maine at Augusta  
College of Math & Professional Studies  
**Post Baccalaureate of Science, COMPUTER INFORMATION SYSTEMS**  
2009-2010 Catalog

Name:

ID#:

Date:

---

**BACHELOR'S DEGREE REQUIREMENTS:**

- Baccalaureate degree from an accredited institution in a different discipline
- Minimum 45 Credit Hours
- Minimum Cumulative G.P.A.: 2.00
- 30 credits hours of Residency courses
- 9 credits of Major Upper-Level Residency courses
- Minimum G.P.A. in the Major: 2.00

---

**PROGRAM MAJOR REQUIREMENTS (45 credit hours):**

Students must first meet with a CIS advisor to determine which of the following courses should be taken to meet the following requirements.

- \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_ five of the following (15):

*CIS 101 Introduction to Computer Science*  
*CIS 131 Web Applications*  
*CIS 135 Introduction to Information Systems & Applications Development*  
*CIS 210 Programming Concepts or CIS 212 Programming Concepts: Visual Basics*  
*CIS 220 Information Technology Hardware and Systems Software*  
*CIS 240 Networking Concepts*  
*CIS 243 Web Applications Programming: XML*  
*MAT 280 Discrete Mathematical Structures I*  
*MAT 281 Discrete Mathematical Structures II*

**(Note: Based upon professional experience and permission of your CIS advisor you may substitute any CIS Programming or Information Technology elective for these 15 credit hours.)**

- CIS 330 Systems Analysis (3)
- CIS 335 Systems Development: ASP (3)
- CIS 350 Database Design & Management (3)
- CIS 460 Computers and Culture (3)
- CIS 470 Project Management (3)
- \_\_\_\_\_  \_\_\_\_\_ CIS Programming Electives (6) **two of the following:**

*CIS 214 Applications Programming: Java*  
*CIS 215 Applications Programming: C++*  
*CIS 312 Applications Programming: Advanced Visual Basics*  
*CIS 314 Applications Programming: Advanced Java*  
*CIS 333 Applications Programming: PHP*  
*CIS 389 or 489 Information Technology Topics*  
*CIS 394 or 494 Independent Study: Info Technology Topics*  
*CIS 412 Visual Basic for Applications*

- \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_ CIS Information Technology Electives (9) **three of the following:**

*CIS 341 Network Applications*  
*CIS 351 Database management Systems: Oracle*  
*CIS 354 Algorithms and Data Structures*  
*CIS 360 Geographical Information Systems I*  
*CIS 389 or 489 Information Technology Topics*  
*CIS 394 or 494 Independent Study: Info Technology Topics*  
*CIS 438 E-Commerce*  
*CIS 466 Geographical Information Systems II*

---

Students are encouraged to contact their faculty advisor and the Advising Center for academic advising and support services throughout their stay at UMA.

Approved to Receive Degree

---

Records Office

Date

College Dean

Date

---