# WEB DEVELOPMENT, CERTIFICATE

**UMA CERTIFICATE REQUIREMENTS:**

- ❑ Minimum 50% of the required courses taken through UMA
- ❑ Minimum 2.00 G.P.A. in the Certificate

**CERTIFICATE REQUIREMENTS (30 CREDIT HOURS):**

- ❑ CIS 101 Introduction to Computer Science (3)
- ❑ CIS 131 Web Applications (3)
- ❑ CIS 135 Introduction to Information Systems & Applications Development I (3)
- ❑ CIS 231 Java Script (3)
- ❑ CIS 243 XML Programming (3)
- ❑ CIS 251 Web Authoring Tools (3)
- ❑ CIS 333 Web Programming: PHP (3)
- ❑ CIS 338 Content management Systems (3)
- ❑ CIS 438 E-Commerce (3)
- ❑ ISS 452 Security Strategies in Web Applications and Social Networking (3)

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