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## WEB PROGRAMMING CERTIFICATE OF SPECIALIZATION



These certificates offer specific training for either entry-level positions or to augment related programs such as Network Administration, Web Development, Business Office Technology or Graphic Design. The certificates are designed to demonstrate a relatively narrow expertise or skill area that may be used to attain a computer industry "niche" job.

Students who complete the requirements below qualify for a certificate in that area of emphasis. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

## **Program Learning Outcomes**

Upon successful completion of this certificate, students will be able to:

• Develop attractive, usable, mobile-friendly websites using current development technologies such as HTML/CSS, JavaScript, PHP/ MySQL, frameworks, and content management systems.

## **Certificate Requirements**

Code	Title	Units
CIS-211	Web Development I	3
CIS-213	Web Development II	3
CIS-215	JavaScript Web Programming	3
CIS-219	PHP/MySQL Dynamic Web-based Applications	3
CS-119	Program Design and Development	3
Total Units		15