Certificate of Achievement: Web Development

The Certificate of Achievement in Web Development is a vocational program that reflects the multi-faceted nature of the competencies required to develop, and maintain websites. The program is, therefore, interdisciplinary and draws from courses offered in both the Computer Applications and Web Technologies (CAWT) and Computer Science Departments. The multi-disciplinary approach will prepare students for entry-level positions as web developers and for career-change or promotion opportunities. Cooperative Work Experience Education is also an essential component included in the sequence of required classes.

The curriculum is designed to provide students with a strong and balanced foundation in aspects of both front- and back-end web development. Students will develop proficiency with markup languages, cascading style sheets, web authoring software, database connectivity, image and search engine optimization, client- and server-side programming, e-commerce considerations, and the entire web life-cycle development process.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills needed to develop and implement dynamic, interactive websites.

Program Requirements:

Units Required: 24

		Units:
CAWT-074	Introduction to Photoshop - Brief	1.5
CAWT-076	Introduction to WordPress	1.5
CAWT-160	Microsoft Access I	3.0
CAWT-170	Website Development I	3.0
CAWT-171	Website Development II	3.0
CAWT-173	Web Development: Dreamweaver	3.0
CAWT-174	Web Prototyping and Images	3.0
CMPSCI-190	Web Programing: Javascript	3.0
CMPSCI-192	PHP Programing	3.0

Recommended Electives:

CWE-186CAWT	Cooperative Work Experience Education Computer Applications and Web Technologies (Unpaid)	1.0 – 4.0
CWE-188CAWT	Cooperative Work Experience Education Computer Applications and Web Technologies (Paid)	1.0 – 4.0