

Software Development

Degree Type

Certificate

The certificate provides a solid foundation for software and application development. Successful completion of this certificate prepares students for entry into the exciting industry of developing apps for smart devices/tablets and mobile platforms.

The Software Development Certificate is intended to prepare students for careers such as:

- Software Developers
- Software Project Managers
- Web and Mobile App Developers

Technical Standards

Students must have college level writing, mathematics and technology skills. Placement into the following (or equivalent) will satisfy these prerequisites:

- ENGL110G/111G
- MATH150G/170G
- CIS110G (or CIS107G)

Certificate Requirements

Item #	Title	Theory Hours	Lab Hours	Credits
CIS112G	Introduction to Object Oriented Programming	2	2	3
CIS113G	Database Design and Management	2	2	3
IST113G	IT Essentials: PC Hardware and Software	2	2	3
CIS124G	Web Development I	2	2	3
CIS148G	Introduction to Java Programming	2	2	3
CIS177G	Introduction to Python	2	2	3
	CIS224G or CIS248G	2	2	3
IST150G	Network Operating System Fundamentals	2	2	3
IST212G	Mobile Systems Architecture	2	2	3
IST275G	Network Protocols and Services	2	2	3
MATH170G	Discrete Mathematics	4	0	4
	Sub-Total Credits	24	20	34
	Total Credits			34