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*The B.S. in Software Engineering program is designed to meet the growing industry need in the software space while preparing experienced information technology professionals for successful careers as software engineers, designers and developers. The program focuses on software engineering and it is offered in two tracks that utilize either Java or C# to achieve similar objectives.*



as 15–20 hours per week to the program, while others may need to devote more time. For this reason,  
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academic standing, you must complete at least 66.67% of the units you attempt over the length of your program—including any courses you add to your term to accelerate your progress. Additionally, during your first term at WGU you must pass at least 3 competency units in order to remain eligible for financial aid. We know that SAP is complex, so please contact a financial aid counselor should you have additional questions. \*Please note: The Endorsement Preparation Program in Educational Leadership is not eligible for federal financial aid.

Your Degree Plan includes courses needed to complete your program. To obtain your degree, you will be required to demonstrate your skills and knowledge by completing the assessment(s) for each course. In general there are two types of assessments: performance assessments and objective assessments. Performance assessments contain, in most cases, multiple scored tasks such as projects, essays, and research papers. Objective assessments include multiple-choice items, multiple-selection items, matching, short answer, drag-and-drop, and point-and-click item types, as well as case study and video-based items. Certifications verified through third parties may also be included in your program. More detailed information about each assessment is provided in each course of study.

WGU works with many different educational partners, including enterprises, publishers, training companies, and higher educational institutions, to provide high-quality and effective learning resources that match the competencies you are developing. These vary in type, and may be combined to create the best learning experience for your course. A learning resource can be an e-textbook, online module, study guide, simulation, virtual lab, tutorial, or a combination of these. The cost of most learning resources are included in your tuition and Learning Resource Fee. They can be accessed or enrolled for through your courses. Some degree-specific resources are not covered by your tuition, and you will need to cover those costs separately. WGU also provides a robust library to help you obtain additional learning resources, as needed.

#### Mobile Compatibility:

The following article provides additional details about the current state of mobile compatibility for learning resources at WGU.

[Student Handbook article: Can I use my mobile device for learning resources?](#)

As previously mentioned, competency units (CUs) have been assigned to each course in order to measure your academic progress. If you are an undergraduate student, you will be expected to enroll in a minimum of 12 competency units each term. Graduate students are expected to enroll in a minimum of 8 competency units each term. A standard plan for a student for this program who entered WGU without any transfer units would look similar to the one on the following page. Your personal progress can be faster, but your pace will be determined by the extent of your transfer units, your time commitment, and your determination to proceed at a faster rate.



Software Engineering	4	9
Mobile Application Development Using C#	3	9
Software Engineering Capstone	4	9

WGU publishes an Institutional Catalog, which describes the academic requirements of each degree program. Although students are required to complete the program version current at the time of their enrollment, WGU may modify requirements and course offerings within that version of the program to maintain the currency and relevance of WGU's competencies and programs. When program requirements are updated, students readmitting after withdrawal from the university will be expected to re-enter into the most current catalog version of the program.

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Scripting and Programming - Foundations introduces programming basics such as variables, data types, flow control, and design concepts. The course is language-agnostic in nature, ending in a survey of languages, and introduces the distinction between interpreted and compiled languages. Learners will gain skills in identifying scripts for computer program requirements and in using fundamental programming elements as part of common computer programming tasks. Learners will also gain an understanding of the logic and outcome of simple algorithms.

*This course covers the following competencies:*

*Begin your course by discussing your course planning tool report with your instructor and creating your personalized course plan together.*

*The learner explains the logic and outcome of simple algorithms.*

*The learner identifies scripts for computer program requirements.*

*The learner uses fundamental programming elements as part of common computer programming tasks.*

Introduction to Programming in Python introduces skills in creating Python scripts with basic programming concepts. Learners will be able to create control flow with functions and loops, and to implement code with packages, modules, and libraries.

*This course covers the following competencies:*

*Begin your course by discussing your course planning tool report with your instructor and creating your personalized course plan together.*

*The learner creates control flow with functions and loops.*

*The learner creates python scripts with basic programming concepts.*

*The learner implements code with packages, modules, and libraries.*

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IT Leadership Foundations is an introductory course that provides students with an overview of organizational structures, communication, and leadership styles specific to information technology in organizations. It also introduces students to some of the power skills that help make successful IT professionals, including time management, problem solving, and emotional intelligence. Students in this course explore their own strengths and passions in relation to the field. There are no prerequisites for this course.

*This course covers the following competencies:*



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decision-making process informed by ethical frameworks. Students will study specific cases related to important topics such as surveillance, social media, hacking, data manipulation, plagia ¾!













*This course covers the following competencies:*

*Begin your course by discussing your course planning tool report with your instructor and creating your personalized course plan together.*

*The learner articulates the value proposition of cloud solutions in business scenarios.*

*The learner defines cloud security and compliance.*

*The learner determines the best-fit solution for a project based on the cost and support structures.*

*The learner identifies cloud technology solutions in IaaS, PaaS, and SaaS models.*

Software Engineering introduces the concepts of software engineering to students who have completed the core courses in programming and project management. The principles building a compliant machine 3/4 u

