**→MukeTech**

[**1000 Computer Science**](https://catalog.gsu.edu/undergraduate20132014/computer-science/)

**Programs Offered:**

* **Bachelor of Science in Computer Science in Software Engineering**
  + **Concentration in Web Development (1100)**
* [CSC 1101](about:blank) Introduction to Web Programming
* [CSC 1102](about:blank) Web Programming
  + **Concentration in Computer Software Systems (1200)**
* [CSC 1201](about:blank) Introduction to Object Oriented Programming (OOP)
  + **Concentration in Databases and Knowledge-based Systems (1300)**
* [CSC 1301](about:blank) Introduction to Database Systems
  + **Concentration in Software Architecture (1400)**
* [CSC 1401](about:blank) Introduction to Software Design Pattern - SOLID
* CSC 1402 Introduction to Software Architecture – Micro Service
  + **Concentration in Devops (1500)**
* [CSC 1501](about:blank) Introduction to version control

**Titles Offered:**

* **Software Engineer Titles**
  + **Entry Level Software Engineer**
  + **Mid-Level Full Stack Software Engineer**
  + **Senior Full Stack Software Engineer**
  + **Senior Full Stack Software Engineer and Architect**
  + **Senior Full Stack Software Engineer, Architect and Devops**
* **Business / Finance Titles:** 
  + **Entry Level Finance / Business Analyst**
  + **Mid-Level Finance/ Business Analyst**
  + **Senior Finance/ Business Analyst**

**A. Entry Level Software Engineer**

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| --- | --- |
| **CSC 1501** | **Introduction to version control** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | **None** |
| **Description** | The course gives student and introduction to the way software engineer proceed with the versioning of application software.  Topics include: Git.  Programming Concepts: Linux Bash  Software include: Visual Studio Code (live server), Git Bash , GitHubDesktop, GitKraken  Website include: GitHub.com |

<https://app.pluralsight.com/library/courses/git-getting-started/table-of-contents>

* [CSC 1101](about:blank) Introduction to Web Programming (4)

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| **CSC 1101** | **Introduction Web Programming** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | none |
| **Description** | The course introduces the student to programming techniques required to develop Web applications.  Topics include: HTML, CSS, JavaScript and Git.  Programming Concepts: HTML, CSS, JavaScript, Linux Bash  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

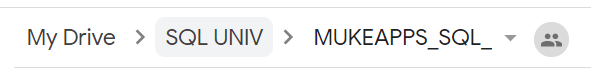
<https://app.pluralsight.com/library/courses/html-fundamentals/table-of-contents>

<https://app.pluralsight.com/library/courses/css-intro/table-of-contents>

<https://app.pluralsight.com/library/courses/javascript-getting-started/table-of-contents>

* [CSC 1301](about:blank) Database Systems (4)

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| **CSC 1301** | **Introduction Database Systems** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | None |
| **Description** | An introduction to the fundamental concepts and principles that underlie the relational model of data.  Topics include formal query languages; T-SQL; query optimization; relational database design theory; physical database design, integrity, security, and concurrency control.  Programming Concepts: T-SQL, Linux Bash  Software include: Microsoft Visual Studio, SQL Server Management Studio, Git Bash.  Website include: GitHub.com |



FROM LESSON 1 TO LESSON 4

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| **CSC 1102** | **Web Programming** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | **CSC 1101** |
| **Description** | The course gives more tool to students that are necessary for Web Development.  Topics include: HTML, CSS, JavaScript and Git.  Programming Concepts: HTML, CSS, JavaScript, JQuery, Bootstrap, Linux Bash  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

<https://app.pluralsight.com/library/courses/front-end-web-app-html5-javascript-css/table-of-contents>

<https://app.pluralsight.com/library/courses/jquery-forms-bootstrap3/table-of-contents>

**A2. Mid-Level Software Engineer**

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| **CSC 1201** | [CSC 1201](about:blank) Introduction to Object Oriented Programming (OOP) |
| **Credit Hours** | 4.0 |
| **Prerequisites** | **None** |
| **Description** | The course gives an introduction to the fundamental of OOP with C#  Topics include: C# and Git.  Programming Concepts: C#  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

<https://app.pluralsight.com/library/courses/csharp-fundamentals-dev/table-of-contents>

* [CSC 1103](about:blank) **Advanced Web Programming** (4)

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| **CSC 1103** | **Advanced Web Programming** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | none |
| **Description** | The course introduces the student to programming techniques required to develop Web applications.  Topics include: HTML, CSS, JavaScript and Git.  Programming Concepts: HTML, CSS, JavaScript, JQuery, Bootstrap, Angular-JS, Flex Linux Bash  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

<https://app.pluralsight.com/library/courses/angularjs-line-of-business-applications/table-of-contents>

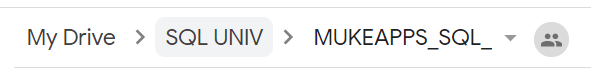
* [CSC 1105](about:blank) **Introduction to Full Stack Software Engineer** (4)

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| **CSC 1105** | **Introduction to Full Stack Software Engineer** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | none |
| **Description** | The course introduces the student to programming techniques required to develop Web applications.  Topics include: HTML, CSS, JavaScript and Git.  Programming Concepts: HTML, CSS, JavaScript, JQuery, Bootstrap, Angular-JS, Flex Linux Bash  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

<https://app.pluralsight.com/library/courses/aspnetcore-mvc-efcore-bootstrap-angular-web/table-of-contents>

* [CSC 1302](about:blank) Database Systems (4)

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| **CSC 1302** | **Database Systems** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | None |
| **Description** | An introduction to the fundamental concepts and principles that underlie the relational model of data.  Topics include formal query languages; T-SQL; query optimization; relational database design theory; physical database design, integrity, security, and concurrency control.  Programming Concepts: T-SQL, Linux Bash  Software include: Microsoft Visual Studio, SQL Server Management Studio, Git Bash.  Website include: GitHub.com |



FROM LESSON 5 TO LESSON 9 (No SSIS….)

**A3. Senior Software Engineer**

* [CSC 1104](about:blank) **Hands-on Responsive Web Design** (4)

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| **CSC 1104** | **Hands-on Responsive Web Design** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | none |
| **Description** | Hands-on Responsive Web Design 3: Columns, Flexbox, and Grids.  Topics include: HTML, CSS, JavaScript and Git.  Programming Concepts: HTML, CSS, JavaScript, JQuery, Bootstrap, Angular-JS, Flex Linux Bash  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

<https://app.pluralsight.com/library/courses/responsive-web-design-columns-flexbox-grids/table-of-contents>

* [CSC 1105](about:blank) **Full Stack Web Design** (4)

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| **CSC 1105** | **Full Stack Web Design** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | none |
| **Description** | Hands-on Responsive Web Design 3: Columns, Flexbox, and Grids.  Topics include: HTML, CSS, JavaScript and Git.  Programming Concepts: HTML, CSS, JavaScript, JQuery, Bootstrap, Angular-JS, Flex Linux Bash  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

<https://www.udemy.com/the-complete-angular-master-class/>

* [CSC 1203](about:blank) **Web Services** (4)

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| **CSC 1203** | **Web Services** |
| **Credit Hours** | 4.0 |
| **Prerequisites** | none |
| **Description** | Hands-on Responsive Web Design 3: Columns, Flexbox, and Grids.  Topics include: HTML, CSS, JavaScript and Git.  Programming Concepts: HTML, CSS, JavaScript, JQuery, Bootstrap, Angular-JS, Flex Linux Bash  Software include: Visual Studio Code (live server), Git Bash  Website include: GitHub.com |

<https://www.udemy.com/spring-web-services-tutorial/>