Undergraduate Course Offerings in the Computer Science Department.

The following Table shows the anticipated course offerings for the Spring 20220 -Fall 2022 semesters. Course offerings depend on enrollment and small adjustments may have to be made. Also, new courses may be developed in this time period and will be added if they become available.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Course Number | Course | Spring 20 | Fall 20 | Spring 21 | Fall 21 | Spring 22 | Fall 22 |
| CS 1090 | Matlab | X | X | X | X | X | X |
| CS 1120 | Computational Thinking | X | X | X | X | X | X |
| CS 1150 | Principles of Comp Sci | X | X | X | X | X | X |
| CS 1450 | Data Structures & Algorithms | X | X | X | X | X | X |
| CS 2060 | Programming With C | X | X | X | X | X | X |
| CS 2080 | Programming With UNIX | X | X | X | X | X | X |
| CS 2160 | Computer Organization & Assembly Language | X | X | X | X | X | X |
| CS 2250 | Advanced Data Structures in C++ | X | X | X | X | X | X |
| CS 2300 | Computational Linear Algebra | X |  | X |  | X |  |
| CS 2910 | Secure Mobile Cloud Computing |  |  |  |  |  |  |
| CS 3020 | Advanced Object Technololgy Using C# | X | X | X | X | X | X |
| CS 3050 | Computing Ethics | X | X | X | X | X | X |
| CS 3060 | Object Oriented Programming Using C++ | X | X | X | X | X | X |
| CS 3080 | Python Programming | X | X |  |  |  |  |
| CS 3110 | Programming the Mobile Web | X | X | X | X | X | x |
| CS 3160 | Concepts of Programming Languages | X | X | X | X | X | X |
| CS 3300 | Software Engineering | X | X | X | X | X | X |
| CS 3350 | Intro to Game Design & Development |  | X |  |  |  |  |
| CS 3400 | UX/UI Design | X |  |  |  |  |  |
| CS 3800 | CS Research for Undergrads | X |  |  |  |  |  |
| CS 3900 | Entrepreneurship for Computer Scientists | X | X | X | X | X | X |
| CS 3910 | System Admin & Security | X | X | X | X | X | X |
| CS 4000 | Computer Science Internship | X | X | X | X | X | X |
| CS 4100 | Compiler Design | X | X | X | X | X | X |
| CS 4200 | Computer Architecture | X | X | X | X | X | X |
| CS 4220 | Computer Networks | X | X | X | X | X | X |
| CS 4420 | Database Systems I | X | X | X | X | X | X |
| CS 4435 | Data Mining | X |  |  |  |  |  |
| CS 4500 | Operating Systems | X | X | X | X | X | X |
| CS 4600 | Numerical Computing |  |  |  |  |  |  |
| CS 4700 | Automata | X | X | X | X | X | X |
| CS 4720 | Algorithms | X | X | X | X | X | X |
| CS 4770 | Data Visualization |  |  |  |  |  |  |
| CS 4780 | Advanced 3D Games & Digital Content Creation |  |  |  |  |  |  |
| CS 4800 | Computer Graphics |  |  |  |  |  |  |
| CS 4820 | Artificial Intelligence |  |  |  |  |  |  |
| CS 4860 | Machine Learning |  |  |  |  |  |  |
| CS 4870 | Intro to Artificial Neural Networks |  |  |  |  |  |  |
| CS 4890 | Computational Linguistics |  |  |  |  |  |  |
| CS 4910 | Intro to Computer Security | X |  | X |  | X |  |
| CS 4920 | Intro to Applied Cryptography | X | X | X | X | X | X |
| CS 4930 | Privacy & Censorship |  |  |  |  |  |  |
| CS 4940 | Ethical Hacking |  |  | X |  | X |  |
| CS 4950 | Homeland Security | X | X | X | X | X | X |