Graduate Course Offerings in the Computer Science Department.

The following table shows the anticipated course offerings for the Spring 2020 through the 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 23 | Fall 23 | Spring 24 | Fall 24 | Spring 25 | Fall 25 |
| CS 5100 | Compliers | X | X | X | X | X | X |
| CS 5200 | Computer Architecture |  | X |  | X |  | X |
| CS 5220 | Computer Communication | X | X | X | X | X | X |
| CS 5300 | Advanced Software Engineering | X | X |  |  |  |  |
| CS 5310 | Software Requirements | X |  | X |  | X |  |
| CS 5320 | Software Design |  | X |  |  | X |  |
| Cs 5340 | Software Maintenance |  |  |  | X |  |  |
| CS 5350 | Software Produce Management |  | X |  |  | X |  |
| CS 5371 | Software Mobile Testing |  |  | X |  |  | X |
| CS 5420 | Database Systems | X | X | X | X | X | X |
| CS 5435 | Data Mining |  | X |  |  | X |  |
| CS 5470 | Data Visualization | X |  |  |  |  |  |
| CS 5500 | Operating Systems | X | X | X | X | X | X |
| CS 5700 | Automata | X | X | X | X | X | X |
| CS 5720 | Algorithms | X | X | X | X | X | X |
| CS 5730 | Algorithmic Game Theory | X |  | X |  | X |  |
| CS 5740 | Networks, Crowds, and Markets |  | X |  |  | X |  |
| CS 5750 | Computational Geometry |  |  | X |  |  |  |
| CS 5770 | Animation and Visualization |  |  |  | X |  |  |
| CS 5780 | Advanced 3D Games and Digital Content Creation |  |  |  |  | X |  |
| CS 5790 | Wearable Computing and Complex Systems | X |  |  |  | X |  |
| CS 5800 | Computer Graphic |  | X |  | X |  | X |
| CS 5810 | Advanced Computer Graphics |  |  |  |  | X |  |
| CS 5820 | Artificial Intelligence |  |  | X |  |  |  |
| CS 5850 | Bioinfo and Computational Biology |  |  |  |  |  |  |
| CS 5860 | Machine Learning | X |  |  | X |  |  |
| CS 5870 | Neural Networks |  | X |  |  | X |  |
| CS 5890 | Computational Linguistics |  |  | X |  |  | X |
| CS 5910 | Fundamentals of Computer/Network Security |  | X |  | X |  | X |
| CS 5920 | Applied Cryptography | X | X | X | X | X | X |
| CS 5930 | Privacy and Censorship | X |  |  |  |  |  |
| CS 5950 | Homeland Sec & Cyber Security | X |  | X |  | X |  |
| CS 5960 | Wireless and Embedded Systems Security | X |  | X |  | X |  |
| CS 5970 | Software Security |  | X |  | X |  | X |
| CS 5980 | System Security |  | X |  |  |  |  |
| CS 6000 | Computer Science Research | X |  |  |  | X |  |
| CS 6770 | Virtual Reality and Computer-Human Interaction |  |  |  |  |  |  |
| CS 6910 | Advanced System Security Designs |  |  | X |  | X |  |
| CS 6930 | Advanced Topics in Web Security and Privacy |  |  |  |  |  |  |