*Please see admission requirements and dates/deadlines at https://www.kennesaw.edu/admissions/graduate/*

| (18 credit hours) | | | |
|---|---|---|---|
| | | | |
| Advanced Operating Systems | Admission to PhD or MSCS | 3 | |
| Advanced Networking and Architecture | Admission to PhD or MSCS | 3 | |
| Advanced Theory of Computation | Admission to PhD or MSCS | 3 | |
| Advanced Design and Analysis of Algorithms | Admission to PhD or MSCS | 3 | |
| Principles of Software Design and Programming Languages | Admission to PhD or MSCS | 3 | |
| Advanced Database Systems and Applications | Admission to PhD or MSCS | 3 | |

| (6 credit hours) | | | |
|---|---|---|---|
| | | | |
| Advanced Research in CS | | 1-3 | |
| Advanced Research in CS | | 1-3 | |

*Research is conducted under the PhD Advisor's supervision. Up to six hours may be applied to the major area.*

| (6 credit hours) | | | |
|---|---|---|---|

*Students may select to take one course twice or take each course once, for a total of 6 hours earned.*

| | | | | |
|---|---|---|---|---|
| Graduate Internship | 9 grad CSE hours & good standing | | 3 | |
| Doctoral Internship | Ph.D. C | | | |

| (18 credit hours) | | | |
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|---|---|---|---|
| Advanced Cloud Computing | Admission to program | 3 | |
| Advanced Parallel and Distributed Computing | CS 8025 (may take concurrently) | 3 | |
| Advanced Graph Algorithms | CS 8045 (may take concurrently) | 3 | |
| Advanced Information Retrieval | CS 8045 (may take concurrently) | 3 | |
| Advanced Big Data Analytics | Admission to program | 3 | |
| Advanced Machine Learning | Admission to program | 3 | |
| Advanced Natural Language Processing | CS 8041 (may take concurrently) | 3 | |
| Advanced Neural Networks and Deep Learning | CS 8045 (may take concurrently) | 3 | |

*Additional elective options & degree requirements on back*