# Computer Science

CS 498  **Special Topics**  credit: 0 TO 4 hours.

Subject offerings of new and developing areas of knowledge in computer science intended to augment the existing curriculum. See Class Schedule or departmental course information for topics and prerequisites. May be repeated in the same or separate terms if topics vary.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
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Digital Forensics II  
This lab section will meet in 0222 Siebel Center

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Credit Hours: 4 hours  
Digital Forensics II  
This is a course for graduate students and advanced undergraduates wanting to develop greater depth and breadth in digital forensics and assumes a basic knowledge of the material covered in Digital Forensics I. Topics include standards of evidence, investigatory procedures, forms of investigation, legal procedures, reasoning about evidence, psychology of cyber crime, anti-forensics, multimedia forensics, computer forensics, web browser forensics, embedded systems forensics, network forensics, cloud forensics, applications forensics, and fraud examination. It introduces known barriers and open challenges in the field. Prerequisite: Completion of Digital Forensics I or special permission granted by the instructor.

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Algorithms and Models of Comp

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Algorithms and Models of Comp

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Algorithms and Models of Comp

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Credit Hours: 4 hours

Algorithms and Models of Comp

Restricted to Computer Engineering or Computer Science or Electrical Engineering or Statistics & Computer Science or Math & Computer Science or Computer Sci & Anthropology or Computer Sci & Astronomy or Computer Sci & Chemistry or Computer Sci & Linguistics major(s). Restricted to Undergrad - Urbana-Champaign.

This course is "CS 374" This course will not count towards CS 400 level elective credit -- but will replace the requirements to take CS 373 and CS 473

<table>
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### Probability in CS

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**Credit Hours: 3 hours**

Theory II

This course is an advanced algorithms course intended for students who have taken CS 374 (currently CS 498 section B). CS students who have taken CS 373 and need to complete the algorithms requirement should take CS 473.

**Credit Hours: 4 hours**

Software Testing

Topic: Software Testing. This course will provide an introduction to systematic and organized approaches to software testing. Topics to be covered include testing process, coverage criteria, automatic and manual generation of test inputs, execution of tests, and validation of test outputs. This section is for undergraduate OR graduate students.

**Credit Hours: 4 hours**

Software Testing

Restricted to Graduate - Urbana-Champaign.

Topic: Software Testing. This course will provide an introduction to systematic and organized approaches to software testing. Topics to be covered include testing process, coverage criteria, automatic and manual generation of test inputs, execution of tests, and validation of test outputs. This section is for graduate students only.

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Credit Hours: 3 hours  
Open Source Project  
Instructor Approval Required

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Credit Hours: 3 hours  
Open Source Project  
Instructor Approval Required

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Credit Hours: 3 hours  
Art and Science of Web Prog  
Prerequisite: CS225.

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Credit Hours: 3 hours  
Virtual Reality  
Restricted to Graduate - Urbana-Champaign.

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technology decisions, and how they can help achieve advertising objectives with their code design. Junior or Senior standing. Computer Science students should have a knowledge of coding in various platforms.