## Computer Science

**CS 498  Special Topics**  credit: 1 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. 1 to 4 undergraduate hours. 1 to 4 graduate hours. May be repeated in the same or separate terms if topics vary.

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<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<td>39213</td>
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<td>DDV</td>
<td>ARRANGED -</td>
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<td>Hart, J</td>
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Credit Hours: 4 hours  
Data Visualization  
Restricted to MCS:Computer Sci Online -UIUC or NDEG:Computer Science Onl-UIUC.  
Course description: Students will learn how to make more effective visualizations of data, to better gain insight into the data and to better communicate that insight to others through interactive web pages. Topics include data warehouses, human perception and cognition, computer graphics, interactive systems and design principles. Covers simple charting tools, including which to use based on data type and user understanding, and advanced charts such as parallel coordinates, stacked graphs and graph drawing/layout. Shows how data visualization tools like Tableau work so students can create effective visualizations from databases even without it. This course is for students that are in the Computer Science MCS-DSO Program. NON-DEGREE SEEKING STUDENTS MAY ENROLL ON A SPACE-AVAILABLE BASIS WITH THE CONSENT OF THE DEPARTMENT. TO REQUEST ENROLLMENT, PLEASE COMPLETE THE "NON-DEGREE ENROLLMENT REQUEST FORM HERE: https://illinois.edu/fb/sec/9478165"

| 40004 | Online | DV     | ARRANGED - | -    | -        | Hart, J    |

Credit Hours: 4 hours  
Data Visualization  
Restricted to students with Senior, Junior, or Graduate class standing. Not intended for MCS:Computer Sci Online -UIUC.  
Course description: Students will learn how to make more effective visualizations of data, to better gain insight into the data and to better communicate that insight to others through interactive web pages. Topics include data warehouses, human perception and cognition, computer graphics, interactive systems and design principles. Covers simple charting tools, including which to use based on data type and user understanding, and advanced charts such as parallel coordinates, stacked graphs and graph drawing/layout. Shows how data visualization tools like Tableau work so students can create effective visualizations from databases even without it. Additional fees apply, contact the Department for details/questions.