Computer Science

CS 421  Program Languages & Compilers  credit: 3 OR 4 hours.
Structure of programming languages and their implementation. Basic language design principles; abstract data types; functional
languages; type systems; object-oriented languages. Basics of lexing, parsing, syntax-directed translation, semantic analysis, and code
generation. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CS 232 and CS 373.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>37194</td>
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<td>Lecture-Discussion</td>
<td>P3</td>
<td>11:30 AM - 12:45 PM</td>
<td>MTR</td>
<td>1304 - Siebel Center for Comp Sci</td>
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<td>1304 - Siebel Center for Comp Sci</td>
<td>Griffith, D</td>
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Credit Hours: 3 hours
Meets 29-May-12 - 02-Aug-12.
Departmental Approval Required
Department Approval Required - contact person is Rhonda McElroy, rmcelroy@illinois.edu

Meets 29-May-12 - 02-Aug-12.
Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineerng -UIUC, or NDEG:Grad Nondegree-CE/UIUC.
Restricted to online non-degree, online MCS, online MSME and online MS CE students. Online and Continuing Education (OCE)
restrictions and assessments apply, see http://www.oce.illinois.edu. For more details on this course section, please see http://
online.engineering.illinois.edu/descriptions/summer2012.htm
OCE Tuition $988.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.

Credit Hours: 4 hours
Meets 29-May-12 - 02-Aug-12.
Restricted to Graduate - Urbana-Champaign.