**Computer Science**

**CS 421 Progrmg Languages & Compilers**  
credit: 3 OR 4 hours.
Introduction to the 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.

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<th>Section</th>
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<th>Instructor</th>
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<td>30792</td>
<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>
<td>Mechitov, K</td>
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Credit Hours: 3 hours

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Credit Hours: 4 hours  
Restricted to Graduate - Urbana-Champaign.