INFORMATICS MINOR

for the Minor in Informatics

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Informatics Minor website: https://www.informatics.illinois.edu/
minor-program/
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The Minor in Informatics will teach you to become a better creator and
user of computing technology in your major area and to think critically
about new technology’s role in society. No other field has, and will have, a
greater influence on humanity in our generation.

Informatics studies the design, application, use and impact of
information technology. The ability to handle vast amounts of information
cheaply has changed the way we live. Advances in computer power, the
World Wide Web, search engines, social networking, mobile technology,
GIS, and large-scale collaborative initiatives, to name a few, have
revolutionized the way knowledge is created and shared. Information has
become a ubiquitous, indispensable component of our everyday lives, as
we strive to manage information, create knowledge, and make decisions.

The Informatics Minor signals that you have concrete expertise in
computing and Information Technology (IT) and understand their human
implications.

Students from any major interested in applying technology or studying
its effect on humanity are encouraged to apply, preferably by the end of
sophomore year. Although there are no prerequisites, basic familiarity
with computers is expected. To receive the Informatics Minor students
must complete three core courses plus three upper-level classes with
sufficient informatics or computational content from an approved list
of courses offered from a wide range of disciplines. The core courses
are INFO 102, CS 105, and INFO 202. INFO 102 is a broad introduction
to computer science and provides an understanding of the nature,
capabilities, and limitations of IT. CS 105 is an introduction to computer
programming for non-science and non-engineering majors. INFO 202
explores the ways in which IT has and is transforming society and how
these technologies affect a range of social, political, and economic
issues from the individual to societal levels. Some substitutions can be
made. The list of upper-level courses that count toward the minor is here:
https://www.informatics.illinois.edu/courses-for-the-minor/. This list is
dynamic as new classes are added each year.

Course requirements for students who are not CS majors
or minors or ECE majors:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 102</td>
<td>Little Bits to Big Ideas</td>
<td>4</td>
</tr>
<tr>
<td>INFO 202</td>
<td>Social Aspects Info Tech</td>
<td>3</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>CS 105</td>
<td>Intro Computing: Non-Tech</td>
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</tr>
<tr>
<td>CS 101</td>
<td>Intro Computing: Engrg &amp; Sci</td>
<td></td>
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<tr>
<td>CS 125</td>
<td>Intro to Computer Science</td>
<td></td>
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<tr>
<td>STAT 107</td>
<td>Data Science Discovery</td>
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<tr>
<td>ECE 120, &amp; ECE 220</td>
<td>Introduction to Computing and Computer Systems &amp; Programming</td>
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Course requirements for CS and ECE majors and CS
minors:

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<tr>
<th>Code</th>
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<td>ECE 220</td>
<td>Computer Systems &amp; Programming</td>
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</table>

4 upper-level, non-CS courses from an Informatics-approved
list

Total Hours

Visit https://www.informatics.illinois.edu/minor-program/ for information
about the Informatics Minor. This minor is offered by the Illinois
Informatics Institute, https://www.informatics.illinois.edu/, 333–4930.

Information listed in this catalog is current as of 03/2020