<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Course Title</th>
<th>Catalog Requisite (Pre-Req Check)</th>
<th>Class Associated Req (Elig. Restrictions)</th>
<th>Class Notes/Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>Virts</td>
<td>COMPTR LT LCY</td>
<td>NONE</td>
<td>UNDERGRADUATE NON-CS MAJORS ONLY.</td>
<td>ATTENDING THE FIRST LECTURE IS MANDATORY. ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER FOR PERFORMING ASSIGNMENTS. COMPUTER MUST RUN WINDOWS 7, WINDOWS 8, OR MAC OS X 10.6 AND LATER, WITH A RECENT VERSION OF MICROSOFT OFFICE (NOTHING EARLIER THAN MICROSOFT OFFICE 2010 FOR WINDOWS OR MICROSOFT OFFICE 2011 FOR MAC). NOT ALL ASSIGNMENTS CAN BE PERFORMED ON A MAC, BUT STUDENTS WITHOUT WINDOWS (OR WITHOUT A COMPUTER) MAY USE CAMPUS WINDOWS PC LABS. PLEASE CHECK 105 WEBSITE. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>119</td>
<td>Verts</td>
<td>INTRO PROGRAMMING</td>
<td>NONE</td>
<td>UNDERGRADUATE NON-CS MAJORS ONLY.</td>
<td>CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>121</td>
<td>Anderson, Thota</td>
<td>PBLM SLVNG WICMPTR BS</td>
<td>NONE</td>
<td>UNDERGRADUATE STUDENTS ONLY.</td>
<td>DISCUSSIONS MEET AFTER FIRST LECTURE. IF YOU HAVE QUESTIONS ABOUT 121 COURSE ADMINISTRATION, CONTACT <a href="mailto:CS121admin@cs.umass.edu">CS121admin@cs.umass.edu</a>. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>145</td>
<td>R1.</td>
<td>REP_STOREG&amp;RET INFO</td>
<td>Virts</td>
<td>UNDERGRADUATE NON-CS MAJORS ONLY.</td>
<td>CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>187</td>
<td>Wang</td>
<td>PGMG W/DATA STRCTR</td>
<td>COMPSCI 121 WITH A GRADE OF B OR BETTER (OR COMPSCI 190D WITH A C OR BETTER).</td>
<td>UNDERGRADUATE CS MAJORS ONLY.</td>
<td>BEGINNING WITH THE SPRING 2017 OFFERING, THE PREREQUISITE FOR COMPSCI 187 REQUIRES A GRADE OF B OR BETTER IN 121 (OR C OR BETTER IN COMPSCI 190D). ATTEND DISCUSSION EVEN IF BEFORE FIRST CLASS MEETING. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>190D</td>
<td>Liberatore</td>
<td>USING DATA STRUCTURES</td>
<td>COMPSCI 121 WITH A GRADE OF C OR BETTER AND BASIC MATH SKILLS (R1).</td>
<td>UNDERGRADUATES ONLY.</td>
<td>STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>197C</td>
<td>Pikovsky</td>
<td>ST-PGMG IN C</td>
<td>NONE</td>
<td>FRESHMEN AND SOPHOMORE CS MAJORS ONLY.</td>
<td>STUDENTS WHO HAVE TAKEN COMPSCI 230 ARE NOT ELIGIBLE FOR THIS COURSE. COURSE RUNS FOR 6 WEEKS (2/1, 2/8, 2/15, 2/22, 3/1, and 3/8). ADDDROP THROUGH 2/8. INSTRUCTOR CONSENT REQUIRED TO WITHDRAW 2/7-2/10 ONLY. CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>. STUDENTS ARE ENCOURAGED TO BRING A LAPTOP. WINDOWS USERS SHOULD DOWNLOAD PUTTY HERE: <a href="https://www.chaek.greenend.org/~sgtatham/putty/download.html">https://www.chaek.greenend.org/~sgtatham/putty/download.html</a>.</td>
</tr>
<tr>
<td>197U</td>
<td>Foley</td>
<td>ST-A HANDS-ON INTRO TO UNIX</td>
<td>NUNI</td>
<td>FRESHMEN AND SOPHOMORE CS MAJORS ONLY.</td>
<td>COURSE RUNS FOR 6 WEEKS (1/30/2017-3/10/17) 1/30, 2/1, 2/8, 2/15, 2/22, 3/1, 3/8. ADDDROP THROUGH 2/8. INSTRUCTOR CONSENT REQUIRED TO WITHDRAW 2/7-2/10 ONLY. CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>197WP</td>
<td>Scarrci</td>
<td>ST-INTRO TO HTML/CSS</td>
<td>COMPSCI 121 WITH A GRADE OF C OR BETTER.</td>
<td>FRESHMEN AND SOPHOMORE CS MAJORS ONLY.</td>
<td>STUDENTS WHO ARE ENROLLED IN OR HAVE TAKEN COMPSCI 326 ARE NOT ELIGIBLE FOR THIS COURSE. COURSE RUNS FOR 6 WEEKS (1/20/2017-2/17/2017) 2/2, 2/9, 2/16, 2/23, 3/3, 3/10-NO CLASS. ADDDROP THROUGH 2/8. INSTRUCTOR CONSENT REQUIRED TO WITHDRAW 2/7-2/10 ONLY. CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>220</td>
<td>Anderson</td>
<td>PGMG METHODOLOGY</td>
<td>COMPSCI 121 WITH A GRADE OF C OR BETTER.</td>
<td>CS MAJORS ONLY.</td>
<td>STUDENTS WHO ARE ENROLLED IN OR HAVE TAKEN COMPSCI 326 ARE NOT ELIGIBLE FOR THIS COURSE. COURSE RUNS FOR 6 WEEKS (1/20/2017-2/17/2017) 2/2, 2/9, 2/16, 2/23, 3/3, 3/10-NO CLASS. ADDDROP THROUGH 2/8. INSTRUCTOR CONSENT REQUIRED TO WITHDRAW 2/7-2/10 ONLY. CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
</tbody>
</table>

CATALOG REQUISITE (PRE-REQ CHECK): COMPSCI 230 IS REQUIRED FOR THIS COURSE. CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. ATTENDING THE FIRST LECTURE IS MANDATORY. ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER FOR PERFORMING ASSIGNMENTS. COMPUTER MUST RUN WINDOWS 7, WINDOWS 8, OR MAC OS X 10.6 AND LATER, WITH A RECENT VERSION OF MICROSOFT OFFICE (NOTHING EARLIER THAN MICROSOFT OFFICE 2010 FOR WINDOWS OR MICROSOFT OFFICE 2011 FOR MAC). NOT ALL ASSIGNMENTS CAN BE PERFORMED ON A MAC, BUT STUDENTS WITHOUT WINDOWS (OR WITHOUT A COMPUTER) MAY USE CAMPUS WINDOWS PC LABS. PLEASE CHECK 105 WEBSITE. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

CLASS ASSOCIATED REQ (Elig. Restrictions): UNDERGRADUATE NON-CS MAJORS ONLY.

CLASS NOTES/COMMENTS: INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.

INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.
# SPIRE REGISTRATION INFORMATION for Spring 2017

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Date Added</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>230</td>
<td>CMPT SYS PRINC</td>
<td>1/17/2017</td>
<td>Richards</td>
</tr>
<tr>
<td>240</td>
<td>COMPSCI 187 (OR E&amp;C-ENG 242) AND MATH 132 WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>McGregor</td>
</tr>
<tr>
<td>250</td>
<td>MATH 132 AND COMPSCI 187 (OR E&amp;C-ENG 242) WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Barrington</td>
</tr>
<tr>
<td>305</td>
<td>ENGLWRT 112 and COMPSCI 220 (or COMPSCI 230) and COMPSCI 240 (or COMPSCI 290), all with a grade of C or better.</td>
<td>1/17/2017</td>
<td>Trim</td>
</tr>
<tr>
<td>311</td>
<td>COMPSCI 250 (OR MATH 455) WITH GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Sitaraman</td>
</tr>
<tr>
<td>320</td>
<td>COMPSCI 220 WITH GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Just</td>
</tr>
<tr>
<td>326</td>
<td>COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Richards</td>
</tr>
<tr>
<td>348</td>
<td>COMPSCI 187 (OR E&amp;C-ENG 242), COMPSCI 240, AND COMPSCI 250 (OR MATH 455), ALL WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Jensen</td>
</tr>
<tr>
<td>365</td>
<td>COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Liberratore</td>
</tr>
<tr>
<td>370</td>
<td>COMPSCI 240 OR COMPSCI 383 WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Mali</td>
</tr>
<tr>
<td>373</td>
<td>COMPSCI 187 (OR E&amp;C-ENG 242) AND INFO 150 (OR COMPSCI 190M OR MATH 235 OR COMPSCI 240) BOTH WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Kalogerakis</td>
</tr>
<tr>
<td>377</td>
<td>COMPSCI 230 WITH A GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Corner</td>
</tr>
<tr>
<td>383</td>
<td>COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 240, BOTH WITH GRADE OF 'C' OR BETTER.</td>
<td>1/17/2017</td>
<td>Fedorenko, Freedman</td>
</tr>
</tbody>
</table>

## CATALOG REQUISITE (PRE-REQ CHECK):

- COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF 'C' OR BETTER.

## CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):

- CS MAJORS ONLY.
- SOPHOMORE, JUNIOR AND SENIOR CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- CS MAJORS ONLY.
- JUNIOR AND SENIOR CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.
- CS MAJORS ONLY.

## CLASS NOTES/COMMENTS:

- INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.
- CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
- SATISFIES JUNIOR YEAR WRITING REQUIREMENT. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
SPIRE REGISTRATION INFORMATION for Spring 2017

CATALOG REQUISITE (PRE-REQ CHECK):

390N
INTERNET OF THINGS
Lee

445
INFO SYSS
Miklau

445HH
INFO SYSS (W/COLLOQ)
Miklau

446
SEARCH ENGINES
Fisher

453
CMPTR NTWKS
Kermani

491G
S-CMPTR NTWRKG LAB
Kermani

496E
IS-MDERNZNG BAYESN INFRRNC ENGIN
Moss

501
FRML LANG THRY
Barrington

503
EMBDED CMPTNG SYSS
Grupen

521
SW ENG: ANALYSIS
Brun

529
SW ENG PROJ MGMT
Just

535
CMPTR ARCHT
Weems

589
MACH LRNG
Marlin

589HH
MACH LRNG (W/COLLOQ)
Marlin

CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):

COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF C OR BETTER.

COMPSCI 230 (OR COMPSCI 237) WITH A GRADE OF 'C' OR BETTER.

COMPSCI 240 OR COMPSCI 383 WITH A GRADE OF 'C' OR BETTER.

COMPSCI 320 WITH A GRADE OF 'A-' OR BETTER.

COMPSCI 320 WITH A GRADE OF 'A' OR BETTER.

COMPSCI 320 AND MATH 235 WITH A GRADE OF C OR BETTER.

COMPSCI 320 WITH A GRADE OF 'C' OR BETTER.

COMPSCI 320 (OR M&I-ENG 310; M&I-ENG 313; M&I-ENG 316; E&C-ENG 323; E&C-ENG 353) WITH A GRADE OF 'C' OR BETTER.

COMPSCI 335 WITH A GRADE OF 'C' OR BETTER.

COMPSCI 383 AND MATH 235 WITH A GRADE OF C OR BETTER.

COMPSCI 383 (OR M&I-ENG 310; M&I-ENG 313; M&I-ENG 316; E&C-ENG 323; E&C-ENG 353) WITH A GRADE OF 'C' OR BETTER.

COMPSCI 383 (OR E&C-ENG 242) WITH A GRADE OF C OR BETTER.

COMPSCI 383 (OR M&I-ENG 310; M&I-ENG 313; M&I-ENG 316; E&C-ENG 323; E&C-ENG 353) WITH A GRADE OF 'C' OR BETTER.

COMPSCI 383 AND MATH 235 WITH A GRADE OF C OR BETTER.

COMPSCI 387 (OR E&C-ENG 242) WITH A GRADE OF C OR BETTER.

CLASS NOTES/COMMENTS:

INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.

CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

STUDENTS WHO ENROLL IN THIS COURSE AFTER TAKING 345 WILL BE DROPPED. PERMISSION OF INSTRUCTOR VIA OVERRIDE REQUIRED FOR STUDENTS INTERESTED IN TAKING 445 AFTER 345, IF AVAILABLE SEATS. STUDENTS WHO ARE NOT CS MAJORS BUT HAVE SUFFICIENT PROGRAMMING EXPERIENCE, CS GRADUATE STUDENTS, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

HONORS COLLOQUIUM INCLUDED. STUDENTS WHO ARE NOT CS MAJORS BUT HAVE SUFFICIENT PROGRAMMING EXPERIENCE OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

STUDENTS WHO ARE NOT CS MAJORS BUT HAVE SUFFICIENT PROGRAMMING EXPERIENCE, CS GRADUATE STUDENTS, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

CLASS MEETS IN LGRC 4311 FOR INITIAL CLASS ORIENTATION ON FRIDAY, JANUARY 27TH, ONLY. FUTURE CLASS MEETINGS WILL BE BY ARRANGEMENT WITH INSTRUCTOR. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

CS MAJORS ONLY.

CS MAJORS ONLY.

OPEN TO SENIOR, JUNIOR, AND SOPHOMORE COMMONWEALTH HONORS COLLEGE CS MAJORS ONLY.

CS MAJORS ONLY.

CS MAJORS ONLY.

UNDERGRADUATE STUDENTS ONLY.

NONE

LECT 01: UNDERGRADUATE STUDENTS ONLY.
LECT 02: MS-CMPSCI STUDENTS ONLY.
LECT 01: UNDERGRADUATE STUDENTS ONLY.
LECT 02: MS-CMPSCI STUDENTS ONLY.
LECT 01: UNDERGRADUATE STUDENTS ONLY.
LECT 02: MS-CMPSCI, MS-ME, MS-EE, STUDENTS ONLY.
LECT 01: SENIOR, JUNIOR CMPSCI MAJORS ONLY.
LECT 02: MS-CMPSCI GRADUATE STUDENTS ONLY.

LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. IT IS RECOMMENDED THAT UNDERGRADUATE STUDENTS HAVE A B- OR BETTER IN MATH 235 OR MEETS WITH COMPSCI 311 IN ORDER TO ATTEMPT 501. 5 SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

ATTEND FIRST CLASS MEETING. INSTRUCTOR WILL COMBINE STUDENTS WITH COMPLEMENTARY BACKGROUNDS INTO TEAMS. 5 SEATS HELD FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/Overrides.

MEETS WITH COMPSCI 621. LECT 01=UG; LECT 02=GRADS. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/Overrides.

MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/Overrides.

MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM:  https://www.cics.umass.edu/overrides.

PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM:  https://www.cics.umass.edu/overrides.

PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM:  https://www.cics.umass.edu/overrides.

PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM:  https://www.cics.umass.edu/overrides.

PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM:  https://www.cics.umass.edu/overrides.
<table>
<thead>
<tr>
<th>Catalog Course</th>
<th>Instructor</th>
<th>Prerequisites</th>
<th>Eligibility</th>
<th>Notes/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>688</td>
<td>Domke</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>687</td>
<td>** DELETED</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>683</td>
<td>Zilberstein</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>682</td>
<td>Bhasaw</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>645</td>
<td>Meliou</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>630</td>
<td>Berger</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>621</td>
<td>Brun</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>603</td>
<td>Biswas</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>601</td>
<td>Immerman</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>590V</td>
<td>Grinstein</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>590P</td>
<td>Levine</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>590F</td>
<td>Liberatore</td>
<td></td>
<td>MS-CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
</tbody>
</table>

**CATALOG REQUISITE (PRE-REQ CHECK):**

- MS-CMPSCI students only.
- Undergraduates: COMPSCI 220 (or COMPSCI 230), with a grade of B or better.
- Lect 01: Junior and Senior CS Majors or Senior CSENG Majors only.
- Lect 02: MS-CMPSCI, MS-MATH&STATS, MS-CEC, MS-SOM students only.
- Lect 02 is online.
- Senior CS Majors with permission of instructor. Background in Undergraduate OS is helpful.
- Students who need special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.

**CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):**

- Undergraduates: COMPSCI 377 (or COMPSCI 460 OR COMPSCI 453 OR COMPSCI 410 OR COMPSCI 474 OR COMPSCI 491P OR COMPSCI 497P) WITH A GRADE OF C OR BETTER.
- Lect 01: CS Majors only.
- Lect 02: MS-CMPSCI students only.
- Lect 01 for undergrads; Lect 02 for grads. 10 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.

**CLASS NOTES/COMMENTS:**

- Informational only - does not affect SPIRE enrollment.
- Students who have taken COMPSCI 365 as an undergraduate are not eligible for this course. Graduate students will be expected to read selected current technical and law articles and to implement and analyze state-of-the-art systems. Permission of instructor for undergraduates with COMPSCI 220 or 230 with a grade of C or better. If available seats, students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- Course number changed from COMPSCI 591SP to 590P. Lect 01 for undergrads; Lect 02 for grads. Open to students in other departments with permission of instructor. Students not meeting eligibility, or students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- Undergraduates with permission of instructor. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- PREREQUISITES: An undergraduate course in Automata Theory and Formal Languages such as COMPSCI 501 or permission of instructor. Undergraduates with permission of instructor. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- Students who have taken an undergraduate AI course preferred. 10 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- PREREQUISITE: COMPSCI 460 or COMPSCI 416. Students who need special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- PREREQUISITES: COMPSCI 469 (or COMPSCI 683) and STATISTICS 515 (or STATISTICS 607 or STATISTICS 608), all with a grade of C or better. Senior CS Majors with permission of COMPSCI 383 and STATISTICS 515, both with a grade of C or better, may be considered if available seats. 7 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- Course number changed from COMPSCI 691GM to COMPSCI 688. 7 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.

**INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.**

- MEETS WITH COMPSCI 521. 5 SEATS HELD FOR INCOMING STUDENT REGISTRATION. ECE GRADUATE STUDENTS BY PERMISSION IF AVAILABLE SEATS. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
- Undergraduates with permission of instructor. Background in Undergraduate OS is helpful. 5 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- Students should have taken an undergraduate level course on operating systems or databases. 7 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- PREREQUISITE OF COMPSCI 466 or COMPSCI 466, or equivalent. Undergraduate CS Majors and non-CS Students by permission of instructor. 5 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- Students who have taken an undergraduate AI course preferred. 10 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
- Students who have taken an undergraduate AI course preferred. 10 seats held for incoming student registration. Students needing special permission must request overrides via the online form: https://www.cics.umass.edu/overrides.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Catalog Requisite (Pre-Req Check)</th>
<th>Class Associated Req (Elig Restrictions)</th>
<th>Class Notes/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>690N</td>
<td>ADV NATURAL LANG PROCESSING</td>
<td>O'Connor</td>
<td>CMPSCI GRADUATE STUDENTS ONLY.</td>
<td>INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</td>
</tr>
<tr>
<td>690T</td>
<td>CODING THEORY AND APPLICS</td>
<td>Mazumdar</td>
<td>CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>691BR</td>
<td>S-BLDG A ROBOT SOCCER TEAM</td>
<td>Biswas</td>
<td>CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>691RS</td>
<td>S-INTRO ROMMNDR SYSTMS</td>
<td>Zhang</td>
<td>CMPSCI GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>697W</td>
<td>ST-WRBL &amp; MBL SNSR CMPTNG</td>
<td>Ganesan</td>
<td>CMPSCI AND EE GRADUATE STUDENTS ONLY.</td>
<td></td>
</tr>
<tr>
<td>701</td>
<td>ADV TOPICS IN CMPSCI</td>
<td>Moss, Corner</td>
<td>DOCTORAL, MASTERS CS STUDENTS ONLY.</td>
<td>REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>891M</td>
<td>THRY OF CMPTN</td>
<td>Barrington</td>
<td>DOCTORAL, MASTERS MAJORS ONLY.</td>
<td>MAY BE REPEATED FOR CREDIT UP TO 6 TIMES. OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>899</td>
<td>STAFF</td>
<td>STAFF</td>
<td>PD-CMPSCI STUDENTS ONLY.</td>
<td>REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>CICS 596T</td>
<td>IS-CPT</td>
<td>Moss, Corner</td>
<td>PhD-CMPSCI STUDENTS ONLY.</td>
<td>SUBMIT CPT APPLICATION TO GRADUATE PROGRAM MANAGER, CS MAIN OFFICE. DURING ACADEMIC YEAR, MS-CMPSCI GRADUATE STUDENTS CAN ENROLL IN THIS COURSE WITH MSPD CONSENT. CPE SECTIONS ARE NOT AVAILABLE.</td>
</tr>
<tr>
<td>CICS 597C</td>
<td>ST-INTRO TO COMPUTER SECURITY</td>
<td>Kermani</td>
<td>UNDERGRADUATE NON-CS MAJORS ONLY.</td>
<td>CHANGED FROM INFO 290NW TO INFO 203. NOT INTENDED FOR CS MAJORS OR MINORS. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>INFO 203</td>
<td>A NETWORKED WORLD</td>
<td>Gill</td>
<td>UNDERGRADUATE NON-CS MAJORS ONLY.</td>
<td>NOT FOR CS MAJOR/MINOR REQUIREMENTS. PREVIOUS EXPERIENCE WITH A PROGRAMMING LANGUAGE MAY BE CONSIDERED FOR OVERRIDE. BASIC MATHEMATICAL MATURITY TO THE LEVEL OF PRE-CALCULUS. SOME EXPOSURE TO BASIC PROBABILITY AND STATISTICS. KNOWLEDGE OF RELATIONAL DATABASES IS HELPFUL. SOFTWARE: THE R SOFTWARE FOR STATISTICAL ANALYSIS (<a href="HTTPS://WWW.R-PROJECT.ORG/">HTTPS://WWW.R-PROJECT.ORG/</a>). STUDENTS NOT MEETING PREREQUISITES WHO ARE INTERESTED IN THE INFORMATICS PROGRAM (BDIC), MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>INFO 397F</td>
<td>ST-INTRO TO DATA SCIENCE</td>
<td>Anderson</td>
<td>UNDERGRADUATE NON-CS MAJORS ONLY.</td>
<td>NOT FOR CS MAJOR/MINOR REQUIREMENTS. STUDENTS NOT MEETING PREREQUISITES WHO ARE INTERESTED IN THE INFORMATICS PROGRAM (BDIC) OR COMBINING ART WITH COMPUTING, MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a>.</td>
</tr>
<tr>
<td>INFO 397G</td>
<td>ST-CREATIVE GAME DESIGN&amp;DEV</td>
<td>Newman</td>
<td>UNDERGRADUATE NON-CS MAJORS ONLY.</td>
<td></td>
</tr>
</tbody>
</table>

1/17/2017