### Catalog Requisite (Pre-Req Check):

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>105 CMPTR LTRCY</td>
<td>Verte</td>
</tr>
<tr>
<td>119 INTRO PROGRAMMING</td>
<td>Verte</td>
</tr>
<tr>
<td>120 PHBLM SLVNG WIN1H1N</td>
<td>Verte</td>
</tr>
<tr>
<td>121 PRBLSM SLVNG WICMPTRS</td>
<td>Anderson</td>
</tr>
<tr>
<td>187 PGMG WI/DATA STRCTRS</td>
<td>Corner</td>
</tr>
<tr>
<td>190DM MATH FUND-INFO/LHMA-11CS</td>
<td>Barrington</td>
</tr>
<tr>
<td>190IN INTRO TO INFORMATICS</td>
<td>Trim</td>
</tr>
<tr>
<td>191CICS1 CICS EXPLORATORY FYS</td>
<td>STAFF</td>
</tr>
<tr>
<td>191CICS2 CICS EXPLORATORY RAP FYS</td>
<td>Boisseau</td>
</tr>
<tr>
<td>191CMPS1 CS MAJOR FIRST YR SEM</td>
<td>STAFF</td>
</tr>
<tr>
<td>191CMPS2 CMPSCI MAJOR RAP SEM</td>
<td>Barrington</td>
</tr>
<tr>
<td>197B ST-ADV ASSIGN FOR 121</td>
<td>Anderson</td>
</tr>
<tr>
<td>197C ST-PGMS IN C</td>
<td>Scarno</td>
</tr>
</tbody>
</table>

### Class Associated Req (Elig. Restrictions):

- **Non-CS Majors Only:**
  - CMPTR LTRCY
  - INTRO PROGRAMMING

- **Non-CS Majors Only:**
  - PHBLM SLVNG WIN1H1N

- **Non-CS Majors Only:**
  - PRBLSM SLVNG WICMPTRS

- **Non-CS Majors Only:**
  - PGMG WI/DATA STRCTRS

- **Non-CS and Non-Math Undergraduate Majors Only:**
  - MATH FUND-INFO/LHMA-11CS

- **Non-CS Majors Only:**
  - INTRO TO INFORMATICS

- **Non-CS Majors Only:**
  - CICS EXPLORATORY FYS

- **Non-CS Majors Only:**
  - CICS EXPLORATORY RAP FYS

- **Non-CS Majors Only:**
  - CS MAJOR FIRST YR SEM

- **Non-CS Majors Only:**
  - CMPSCI MAJOR RAP SEM

- **Non-CS Majors Only:**
  - ST-ADV ASSIGN FOR 121

- **Non-CS Majors Only:**
  - ST-PGMS IN C

---

### Class Notes/Comments:

**Informational Only - Does Not Affect SPIRE Enrollment.**

- **ATTENDING THE FIRST LECTURE IS MANDATORY.**
- **ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER FOR PERFORMING ASSIGNMENTS.** A 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.cs.umass.edu/overrides.

- **STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM:** https://www.cs.umass.edu/overrides.

- **MANDATORY ATTENDANCE TO FIRST CLASS MEETING IS ESSENTIAL.** ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER CONNECTED TO THE INTERNET FOR PERFORMING ASSIGNMENTS. PC RECOMMENDED; MAC ALLOWED FOR MOST, BUT NOT ALL ASSIGNMENTS. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.

- **A GRADE OF A IN COMPSCI 121 IS HIGHLY RECOMMENDED FOR STUDENTS ENROLLING IN COMPSCI 187.** STUDENTS WHO RECEIVE A C OR BETTER IN COMPSCI 121 WILL BE ELIGIBLE FOR COMPSCI 190DS, USING DATA STRUCTURES, IN PREPARATION FOR COMPSCI 187. 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.cs.umass.edu/overrides.

- **R1 MATH USEFUL; NOT ABSOLUTELY REQUIRED.** STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.

- **FOUNDATIONS COURSE FOR THE INFORMATICS MAJOR (BDIC).** STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.

- **COMPUTING AND INFORMATICS EXPLORATORY FIRST YEAR STUDENTS ONLY.** REGISTRATION AVAILABLE ONLY DURING SUMMER ORIENTATION.

- **COMPUTER SCIENCE FIRST YEAR STUDENTS ONLY.** REGISTRATION AVAILABLE ONLY DURING SUMMER ORIENTATION.

- **UNDERGRADUATES ONLY.** STUDENTS WHO HAVE TAKEN COMPSCI 230 ARE NOT ELIGIBLE FOR THIS COURSE. COURSE RUNS FOR 6 WEEKS 9/14, 9/21, 9/28, 10/5, 10/12, and 10/19. ADD/DROP THROUGH 9/21. INSTRUCTOR CONSENT REQUIRED TO WITHDRAW 9/20-9/23 ONLY. CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides. STUDENTS ARE ENCOURAGED TO BRING A LAPTOP. WINDOWS USERS SHOULD DOWNLOAD PUTTY HERE: http://www.chiark.greenend.org/~sgtatham/putty/download.html.
SPIRE REGISTRATION INFORMATION for Fall 2016

CATALOG REQUISITE (PRE-REQ CHECK):

197U  ST-HANDS-ON INTRO UNIX  Foley

197WP  ST-INTRO TO HTML/CSS  Scarlato

220    PGMG METHODOLOGY  Guha

230    CMPT SYS PRINC  Richards

249    RNSG UNDER UNCERTAINTY  Mazumdar

250    INTRD TO CMPTN  Immerman

305    SOC ISS IN CMPTNG  Trim

311    INTRD TO ALGRTHMS  Siegelmann

320    INTRD TO SFTWR ENGG  Anderson

325    INTRO TO HUMAN CMPTR INTERACTN  Hudlicka

326    WEB PGMG  Richards

CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):

197U  COMPSCI 121 WITH A GRADE OF 'C' OR BETTER.

197WP  COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF 'C' OR BETTER.

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

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

249    UCOMPSCI 187 (UH E&C/ENG 242) AND MATH 132 WITH A GRADE OF 'C' OR BETTER.

250    MATH 132 AND COMPSCI 187 (OR E&C-ENG 242) WITH GRADE OF 'C' OR BETTER.

305    ENGLWRIT 112 WITH GRADE OF 'C' OR BETTER.

311    COMPSCI 250 (OR MATH 455) WITH GRADE OF 'C' OR BETTER.

320    COMPSCI 220 WITH GRADE OF 'C' OR BETTER.

325    COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF 'C' OR BETTER.

326    COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF 'C' OR BETTER.

CLASS NOTES/COMMENTS:

INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.


STUDENTS WHO ARE ENROLLED IN OR HAVE TAKEN COMPSCI 263 ARE NOT ELIGIBLE FOR THIS COURSE. COURSE RUNS FOR 6 WEEKS (9/13/16-10/25/16: 9/13, 9/20, 9/27, 10/4, 10/6). ADD/DROP THROUGH 9/19. INSTRUCTOR CONSENT REQUIRED TO WITHDRAW 9/20-9/23 ONLY. CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.

STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 250/250 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. 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.cs.umass.edu/overrides.

STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 220/230 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. 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.cs.umass.edu/overrides.

STUDENTS ARE ADVISED NOT TO TAKE 240/250 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. STUDENTS WHO HAVE COMPLETED MATH 131 AND COMPSCI 187 OR EQUIVALENT AND HAVE A CO-REQUISITE OF MATH 132 MAY REQUEST OVERRIDE (PERMISSION MAY BE GRANTED IF BETTER THAN AVERAGE GRADES AND AVAILABLE SEATS). 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.cs.umass.edu/overrides.

STUDENTS ARE ADVISED NOT TO TAKE 220/230 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. 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.cs.umass.edu/overrides.

STUDENTS ARE ADVISED NOT TO TAKE 240/250 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. 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.cs.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.cs.umass.edu/overrides.

Satisfies Junior Year Writing Requirement. Students needing special permission must request overrides via the on-line form: https://www.cs.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.cs.umass.edu/overrides.

Satisfies integrative experience requirement for CS majors. CS majors will be admitted only if space allows. Meets with COMPSCI 529. An optional honors seminar may be available for this course. 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.cs.umass.edu/overrides.

20 seats reserved for CS majors. 10 seats held for Informatics (BDC) majors. In addition to requesting an override, five college students wishing to enroll must first submit a brief statement of interest to the instructor, and a brief letter of recommendation from their advisor. This letter must include student current GPA. Students needing special permission must request overrides via the on-line form: https://www.cs.umass.edu/overrides.

Satisfies integrative experience requirement for CS majors. Informatics students should request an override to be considered for the course. 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.cs.umass.edu/overrides.

4/1/2016
SPIRE REGISTRATION INFORMATION for Fall 2016

CATALOG REQUISITE (PRE-REQ CHECK):
- COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF ‘C’ OR BETTER.
- COMPSCI 187 (OR E&AC-ENG 242) WITH A GRADE OF ‘C’ OR BETTER.
- COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 240, BOTH WITH GRADE OF ‘C’ OR BETTER.
- COMPSCI 187 (OR E&AC-ENG 242) WITH A GRADE OF C OR BETTER.
- COMPSCI 220 WITH A GRADE OF B OR BETTER.
- COMPSCI 250 (OR MATH 455) AND COMPSCI 377, BOTH WITH A GRADE OF C OR BETTER.
- COMPSCI 230 (OR COMPSCI 377) WITH A GRADE OF ‘C’ OR BETTER.
- COMPSCI 377 WITH GRADE OF C OR BETTER.
- COMPSCI 187 (OR E&AC-ENG 242) AND MATH 235, ALL WITH GRADE OF ‘C’ OR BETTER.
- COMPSCI 320 OR COMPSCI 326 WITH A GRADE OF C OR BETTER.

CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):
- SENIOR, JUNIOR, SOPHOMORE CS MAJORS ONLY.
- OPEN TO SENIOR, JUNIOR, AND SOPHOMORE COMMONWEALTH HONORS COLLEGE 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.
- 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: www.cs.umass.edu/overrides.
- STUDENTS MUST BE ENROLLED IN COMPSCI 320. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: www.cs.umass.edu/overrides.

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.cs.umass.edu/overrides.

- 20 SEATS ARE RESERVED FOR JUNIORS, SOPHOMORES, AND FRESHMEN. 10 SEATS HELD FOR INFORMATICS (BDIC) MAJORS.
- STUDENTS ARE EXPECTED TO HAVE BASIC PROGRAMMING SKILLS, AND BE ABLE TO OCCASIONALLY USE LAPTOPS IN CLASS. STUDENTS WHO HAVE TAKEN COMPSCI 445 ARE NOT ELIGIBLE. STUDENTS NEEDING SPECIAL PERMISSION INSTRUCTOR PERMISSION IF NOT MEETING PREREQUISITE) MUST REQUEST OVERRIDES (FOR AVAILABLE SEATS) VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides. COURSE NUMBER CHANGED FROM 390DB TO 345.
- 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.cs.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.cs.umass.edu/overrides.
- STUDENTS NEED ACCESS TO AN INTEL PROCESSOR MACHINE VIA THE ON-LINE FORM: www.cs.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: www.cs.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: www.cs.umass.edu/overrides.

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.cs.umass.edu/overrides.
SPIRE REGISTRATION INFORMATION for Fall 2016

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

- COMPSCI 320 with a grade of ‘A’ or better.
- COMPSCI 250 (or MATH 455) with a grade of B or better.
- COMPSCI/220 (or COMPSCI 230) and COMPSCI 240, both with a grade of C or better.
- UNDERGRADUATES: COMPSCI 311, COMPSCI 345, and COMPSCI 377, all with a grade of B or better.
- ST-CMTR & NETWRK SCRNY
- STAFF
- S/CYBER SECURITY FL5
- STAFF
- STAFF
- STAFF
- STAFF
- SITR MANG
- INFO RTRVL
- STAFF
- CS/VISION
- STAFF
- Mahadevan

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

- LECT 01: UNDERGRADUATES ONLY.
- LECT 02: MS-CMPSI GRADUATE STUDENTS ONLY.
- LECT 01: JUNIOR AND SENIOR CS MAJORS ONLY.
- LECT 02: MS-CMPSI GRADUATE STUDENTS ONLY.
- LECT 01: CS MAJORS ONLY.
- LECT 02: MS-CMPSI STUDENTS ONLY.
- LECT 01: CS MAJORS ONLY.
- LECT 02: MS-CMPSI STUDENTS ONLY.
- MS-CMPSI STUDENTS ONLY.
- COMPSCI GRADUATE STUDENTS ONLY.
- COMPSCI GRADUATE STUDENTS ONLY.
- COMPSCI GRADUATE STUDENTS ONLY.
- COMPSCI GRADUATE STUDENTS ONLY.
- GRADUATE CMPSI STUDENTS ONLY.
- GRADUATE CMPSI STUDENTS ONLY.
- COMPSCI GRADUATE STUDENTS ONLY.

**CLASS NOTES/COMMENTS:**

- MEETS WITH COMPSCI 530. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- CROSS-LISTED WITH MATH 513. LECT 01=UG; LECT 02=GRADS. IF NOT MEETING PREREQUISITES, STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- LECT 01=UG; LECT 02=GRADS. AN ALTERNATE PREREQUISITE OF LINGUIST 482B IS ACCEPTABLE FOR LINGUISTS MAJORS: LINGUISTICS STUDENTS WITH PROGRAMMING AND PROBABILITY EXPERIENCE WILL LIKELY BE ADMITTED AND ENCOURAGED TO CONTACT INSTRUCTOR. STUDENTS FROM OTHER DISCIPLINES WILL BE CONSIDERED AS WELL. 15 SEATS HELD IN LECT 02 FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. 8 SEATS HELD IN LECT 02 FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. 8 SEATS HELD IN LECT 02 FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- NONE
- MEETS WITH ECE 591CF. MAY BE REPEATED FOR CREDIT UP TO 2 TIMES. MANDATORY SAT/UN GRADING. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- NONE
- MEETS WITH MATH 513. LECT 01=UG; LECT 02=GRADS. IF NOT MEETING PREREQUISITES, STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- NONE
- MEETS WITH COMPSCI 529. PREREQUISITE OF COMPSCI 320 WITH A GRADE OF ‘A’ OR BETTER. 25 SEATS HELD FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- NONE
- MEETS WITH MATH 513. LECT 01=UG; LECT 02=GRADS. If not meeting prerequisites, students needing instructor permission must request overrides via the on-line form: https://www.cs.umass.edu/overrides.
- NONE
- MEETS WITH COMPSCI 520. PREREQUISITE OF COMPSCI 220 WITH A GRADE OF C OR BETTER REQUIRED FOR SENIORS, OR PERMISSION OF INSTRUCTOR. MEETS WITH CMPSI 520. 25 SEATS HELD FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- NONE
- MEETS WITH COMPSCI 520. PREREQUISITE OF COMPSCI 320 WITH A GRADE OF C OR BETTER REQUIRED FOR SENIORS, OR PERMISSION OF INSTRUCTOR. MEETS WITH CMPSI 520. 25 SEATS HELD FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- NONE
- MEETS WITH COMPSCI 520. PREREQUISITE OF COMPSCI 320 WITH A GRADE OF C OR BETTER REQUIRED FOR SENIORS, OR PERMISSION OF INSTRUCTOR. MEETS WITH CMPSI 520. 25 SEATS HELD FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cs.umass.edu/overrides.
- NONE
### SPIRE REGISTRATION INFORMATION for Fall 2016

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</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>690IV</td>
<td>Intelligent Visual Computing</td>
<td>Kalogerakis</td>
<td>NONE</td>
<td>Graduate CMPSCI Students Only.</td>
<td>Informational only - does not affect SPIRE enrollment.</td>
</tr>
<tr>
<td>690PE</td>
<td>Performance Eval</td>
<td>Nain</td>
<td>NONE</td>
<td>CMPSCI Graduate Students Only.</td>
<td></td>
</tr>
<tr>
<td>691O</td>
<td>S-Tools Expl &amp; Tutor SY</td>
<td>Woolf</td>
<td>NONE</td>
<td>Graduate Students Only.</td>
<td></td>
</tr>
<tr>
<td>697L</td>
<td>S-Deep Learning</td>
<td>Learned-Miller</td>
<td>NONE</td>
<td>CMPSCI Graduate Students Only.</td>
<td></td>
</tr>
<tr>
<td>701</td>
<td>Advanced Topics in CMPSCI</td>
<td>Staff</td>
<td>NONE</td>
<td>CMPSCI Doctoral, Masters Students Only.</td>
<td></td>
</tr>
<tr>
<td>891M</td>
<td>Theory of Computation</td>
<td>Mazumdar</td>
<td>NONE</td>
<td>Doctoral, Masters Students Only.</td>
<td></td>
</tr>
<tr>
<td>899</td>
<td>PhD Dissertation</td>
<td>Staff</td>
<td>NONE</td>
<td>Course Open Only to CS Graduate students who have passed portfolio.</td>
<td></td>
</tr>
</tbody>
</table>

**Class Notes/Comments:**

- **Informational only - does not affect SPIRE enrollment.**
- **Class Notes/Comments:**
  - No prereq for CS grads. For others, required prereqs or equiv. COMPSCI 311, 383, and 390CG (or 475), all with a grade of A- or better. Students needing special permission must request overrides via on-line form: [https://www.cs.umass.edu/overrides](https://www.cs.umass.edu/overrides).
  - Undergraduate or graduate course on probability theory. 10 seats held for incoming student registration. Students needing special permission must request overrides via the on-line form: [https://www.cs.umass.edu/overrides](https://www.cs.umass.edu/overrides).
  - 4 seats are reserved for MA EDU MAJORS. Students needing special permission must request overrides via the on-line form: [https://www.cs.umass.edu/overrides](https://www.cs.umass.edu/overrides).
  - Prerequisites: Basic familiarity with AI/Cognitive Science/Machine Learning, Basic Knowledge of Gradient-Based Optimization. Calculus, Linear Algebra, Algorithmic Analysis, Probability/Statistics, Programming in Python or equivalent high-level language. 10 seats held for incoming student registration. Students needing special permission must request overrides via the on-line form: [https://www.cs.umass.edu/overrides](https://www.cs.umass.edu/overrides).
  - 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: [https://www.cs.umass.edu/overrides](https://www.cs.umass.edu/overrides).
  - Course open only to CS Graduate Students who have passed portfolio. Request overrides via the on-line form: [https://www.cs.umass.edu/overrides](https://www.cs.umass.edu/overrides).