

**SPIRE REGISTRATION INFORMATION for 2019 Fall**

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<p><b>CICS 191CICS1</b> FYS - CICS <i>Purity Mugambi, Brittany Johnson, Justin Obara, Ayse Ozisik, Arta Razavi, Edward Rietman, Michelle Trim, Robin Wu</i></p>		FIRST-YEAR CICS STUDENTS ONLY.	REGISTRATION AVAILABLE ONLY DURING SUMMER ORIENTATION. Sections 01, 04, 06, 07, 11, 13, and 16 will address What Makes a Good Computer Scientist? Sections 02 and 14 will address Great Women in Computing: Past, Present, and Future. Section 03 will address Law and Computer Science. Sections 05, 08, 12, and 15 will address Computer Science Brain Teasers. Sections 09 and 10 will address The Technological Singularity. ADDITIONAL SECTIONS ON OTHER TOPICS MAY BE ADDED DURING THE SUMMER.
<p><b>CICS 191CICS2</b> FYS-CICS EXPLORATORY RAP <i>Arta Razavi</i></p>		CICS EXPLORATORY FIRST YEAR STUDENTS ONLY.	REGISTRATION AVAILABLE ONLY DURING SUMMER ORIENTATION.
<p><b>CICS 191CMPS2</b> FYS - CS MAJOR RAP <i>Marc Liberatore</i></p>		CS RAP FIRST YEAR PROGRAM STUDENTS ONLY.	REGISTRATION AVAILABLE ONLY DURING SUMMER ORIENTATION.
<p><b>CICS 290M</b> MAKE: PHYSICAL COMPUTING <i>Rui Wang, Tauhidur Rahman</i></p>	COMPSCI 187 WITH A GRADE OF 'C' OR BETTER AND BASIC MATH SKILLS(R1).	BS-CS MAJORS ONLY.	NO OPTION FOR PASS/FAIL. THIS COURSE HAS A REQUIRED LAB SECTION AND COUNTS TOWARD THE CS LAB SCIENCE REQUIREMENT FOR THE BS-CS. THIS OFFERING IS OPEN TO SOPHOMORE AND FRESHMAN BS-CS MAJORS ONLY. JUNIORS MAY BE CONSIDERED IF AVAILABLE SEATS. 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> .
<p><b>CICS 397A</b> ST-PREDICTVE ANALYTICS W/PYTHON <i>Matthew Rattigan</i></p>	COMPSCI 119 (OR COMPSCI 121 OR COMPSCI 186 OR COMPSCI 187) AND STATISTICS 240 (OR OIM 240, OR PSYCH 240, OR STATISTICS 515, OR RES-ECON 212, OR SOCIOL 212) BOTH WITH A GRADE OF C OR BETTER.	UNDERGRADUATE NON-CS MAJORS ONLY.	LINEAR ALGEBRA (MATH 235) IS HELPFUL BUT NOT REQUIRED. STUDENTS WITH ALTERNATE PROGRAMMING OR STATISTICS BACKGROUND MAY REQUEST OVERRIDE FOR CONSIDERATION VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI 105</b> COMPUTER LITERACY <i>William Verts</i></p>		UNDERGRADUATE NON-CS MAJORS ONLY.	CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER FOR PERFORMING ASSIGNMENTS. COMPUTER MUST RUN WINDOWS 7, 8, OR 10, 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> .
<p><b>COMPSCI 119</b> INTRO PROGRAMMING <i>William Verts</i></p>		FRESHMAN AND SOPHOMORE NON-CS MAJORS ONLY.	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> .
<p><b>COMPSCI 120</b> PROBLEM SOLVING W/INTERNET <i>William Verts</i></p>		UNDERGRADUATE NON-CS MAJORS ONLY.	CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER CONNECTED TO THE INTERNET FOR PERFORMING ASSIGNMENTS. COMPUTER MUST RUN WINDOWS 7, 8, OR 10, OR MAC OS/X 10.6 AND LATER. 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> .
<p><b>COMPSCI 121</b> PROBLEM SOLVING W/COMPUTERS <i>Gordon Anderson, Neena Thota</i></p>	COMPLETION OF THE R1 GEN ED (OR A SCORE OF 20 OR HIGHER ON THE MATH PLACEMENT TEST PART A), OR ONE OF THE FOLLOWING COURSES: MATH 101&102 OR MATH 104 OR MATH 127 OR MATH 128 OR MATH 131 OR MATH 132.	UNDERGRADUATE STUDENTS ONLY.	INTENDED FOR CS MAJORS OR THOSE APPLYING TO THE MAJOR. NON-MAJORS MAY OPT TO TAKE COMPSCI 119 (OR COMPSCI 190F). ATTENDANCE IN LECT AND LAB IS MANDATORY. ICLICKER IS REQUIRED. FOR QUESTIONS ABOUT 121 COURSE ADMINISTRATION, CONTACT CS121admin@cs.umass.edu. 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> .

## SPIRE REGISTRATION INFORMATION for 2019 Fall

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<b>COMPSCI 186</b> USING DATA STRUCTURES <i>Marc Liberatore</i>	COMPSCI 121 WITH A GRADE OF C OR BETTER AND BASIC MATH SKILLS (R1).	FRESHMAN AND SOPHOMORE UNDERGRADUATES ONLY.	WAS COMPSCI 190D. 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> .
<b>COMPSCI 187</b> PROGRAMMING W/DATA STRCTRS <i>Mark Corner, Meng-Chieh Chiu</i>	COMPSCI 121 WITH A GRADE OF B OR BETTER (OR COMPSCI 186 (OR COMPSCI 190D) WITH A GRADE OF C OR BETTER).	UNDERGRADUATE CS MAJORS ONLY.	THE PREREQUISITE FOR COMPSCI 187 REQUIRES A GRADE OF B OR BETTER IN COMPSCI 121 (OR C OR BETTER IN COMPSCI 186 (OR COMPSCI 190D)). ATTEND LAB 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> .
<b>COMPSCI 220</b> PGMG METHODOLOGY <i>Arjun Guha</i>	COMPSCI 187 WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 220 AND 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: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<b>COMPSCI 230</b> CMPTR SYS PRINC <i>J Moss, Meng-Chieh Chiu</i>	COMPSCI 187 WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 220 AND 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: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<b>COMPSCI 240</b> RSNG UNDER UNCERTAINTY <i>Sunghoon Lee, Jie Xiong</i>	COMPSCI 187 AND MATH 132 WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	STUDENTS ARE ADVISED NOT TO TAKE 240 AND 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: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<b>COMPSCI 250</b> INTRO TO COMPUTATION <i>Marius Minea</i>	COMPSCI 187 AND MATH 132 WITH GRADE OF 'C' OR BETTER.	CS AND MATH MAJORS ONLY.	STUDENTS ARE ADVISED NOT TO TAKE 240 AND 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. OPEN TO CSENG MAJORS WITH ECE 241 (OR ECE 242) WITH C OR BETTER, IF 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: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<b>COMPSCI 305</b> SOC ISS IN CMPTNG <i>Michelle Trim, Justin Obara, Catherine Tisdale, Siobhan Mei</i>	ENGLWRIT 112 (OR ENGLISH WRITING WAIVER), COMPSCI 220, COMPSCI 230 AND COMPSCI 240 (OR 250), ALL WITH A GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	SATISFIES JUNIOR YEAR WRITING REQUIREMENT. 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> .
<b>COMPSCI 311</b> INTRO TO ALGORITHMS <i>Marius Minea, David Barrington</i>	COMPSCI 187 AND COMPSCI 250 (OR MATH 455) WITH A GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	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> .
<b>COMPSCI 320</b> INTRO TO SOFTWARE ENGINEERING <i>Gordon Anderson, David Fisher</i>	COMPSCI 220 WITH GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	NO OPTION FOR PASS/FAIL. SATISFIES INTEGRATIVE EXPERIENCE REQUIREMENT FOR CS MAJORS. MEETS WITH COMPSCI 529. 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> .

**SPIRE REGISTRATION INFORMATION for 2019 Fall**

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<b>COMPSCI 325</b> INTRO TO HUMAN CMPTR INTERACTN <i>Narges Mahyar</i>		JUNIOR AND SENIOR CS MAJORS ONLY.	JUNIOR AND SENIOR INFORMATICS (BDIC) MAJORS WHO CANNOT ENROLL ON SPIRE MUST REQUEST OVERRIDE. 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> .
<b>COMPSCI 326</b> WEB PROGRAMMING <i>Timothy Richards</i>	COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	NO OPTION FOR PASS/FAIL. SATISFIES INTEGRATIVE EXPERIENCE REQUIREMENT FOR CS MAJORS. JUNIOR AND SENIOR INFORMATICS STUDENTS MAY REQUEST AN OVERRIDE TO BE CONSIDERED FOR THE 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> .
<b>COMPSCI 335</b> INSIDE BOX:HOW CMPTRS WORK <i>Charles Weems</i>	COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	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> .
<b>COMPSCI 345</b> PRACT & APPLICS OF DATA MGMT <i>Alexandra Meliou</i>	COMPSCI 187 WITH A GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	STUDENTS ARE EXPECTED TO HAVE BASIC PROGRAMMING SKILLS, AND BE ABLE TO USE LAPTOPS IN CLASS. STUDENTS WHO HAVE TAKEN COMPSCI 445 ARE NOT ELIGIBLE. INFORMATICS (BDIC) MAJORS MAY BE ALLOWED IF AVAILABLE SEATS. WILL OPEN TO SENIOR CS MAJORS IF AVAILABLE SEATS AFTER JUNIORS HAVE REGISTERED (~APRIL 8). 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> .
<b>COMPSCI 377</b> OPERATING SYSTEMS <i>Timothy Richards</i>	COMPSCI 230 WITH A GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	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> .
<b>COMPSCI 383</b> ARTIFICIAL INTELLIGENCE <i>Matthew Rattigan, Jaime Dávila</i>	COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 240 (OR STAT 515), BOTH WITH GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	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> .
<b>COMPSCI 391L</b> S-CMPTR CRIME LAW:INVSTG/PRVCY <i>Marvin Cable</i>	COMPSCI 230 AND ENGLWRIT 112 WITH A GRADE OF 'C' OR BETTER, OR CW G.ED. REQUIREMENT.	JUNIOR AND SENIOR CS MAJORS ONLY.	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> .
<b>COMPSCI 445</b> INFORMATION SYSTEMS <i>Gerome Miklau</i>	COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 311 AND COMPSCI 345, ALL WITH GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	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: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<b>COMPSCI 453</b> COMPUTER NETWORKS <i>Parviz Kermani</i>	COMPSCI 230 (OR COMPSCI 377) WITH A GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	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> .

## SPIRE REGISTRATION INFORMATION for 2019 Fall

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<b>COMPSCI 460</b> INTRO COMPUTER/NETWRK SECURITY <i>Amir Houmansadr</i>	COMPSCI 377 WITH GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	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> .
<b>COMPSCI 503</b> EMBEDDED COMPUTING SYSTEMS <i>Roderic Grupen</i>	UNDERGRADUATES: COMPSCI 383 (OR COMPSCI 403; M&I-ENG 310; M&I-ENG 313; M&I-ENG 397B; E&C-ENG 313; E&C-ENG 323; E&C-ENG 353) WITH A GRADE OF 'C' OR BETTER.	Lect 01: JUNIOR AND SENIOR CS MAJORS ONLY. Lect 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. NO OPTION FOR PASS/FAIL. ATTEND FIRST CLASS MEETING. INSTRUCTOR WILL COMBINE STUDENTS WITH COMPLEMENTARY BACKGROUNDS INTO TEAMS. NON-CS UNDERGRADUATES WHO MEET PREREQUISITE AND MS-EE AND MS-ME STUDENTS ARE ENCOURAGED TO REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<b>COMPSCI 513</b> LOGIC IN COMPUTER SCIENCE <i>Neil Immerman</i>	UNDERGRADUATES: COMPSCI 250 AND COMPSCI 311 WITH A GRADE OF 'C' OR BETTER.	Lect 01: JUNIOR AND SENIOR CS MAJORS ONLY. Lect 02: MS-CMPSCI GRADUATE STUDENTS ONLY.	MEETS WITH COMPSCI 613. LECT 01=UG; LECT 02=GRADS. SEATS SAVED IN LECT 02 FOR INCOMING STUDENT REGISTRATION. 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> .
<b>COMPSCI 514</b> ALGORITHMS FOR DATA SCIENCE <i>Cameron Musco</i>	UNDERGRADUATES: COMPSCI 240 AND COMPSCI 311 WITH A GRADE OF B+ OR BETTER.	LECT 01: JUNIOR AND SENIOR CS MAJORS ONLY. LECT 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS HELD IN LECT 02 FOR INCOMING GRAD STUDENT REGISTRATION. WAS COMPSCI 590D. 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> .
<b>COMPSCI 520</b> THEORY AND PRACTICE-SOFTENGIN <i>Yuriy Brun</i>	UNDERGRADUATES MUST HAVE COMPLETED COMPSCI 320 WITH A GRADE OF C OR BETTER.	Lect 01: JUNIOR AND SENIOR CS MAJORS ONLY. Lect 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS HELD IN LECT 02 FOR INCOMING STUDENT REGISTRATION. 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> .
<b>COMPSCI 529</b> SOFTWARE ENGINEERING PROJ MGMT <i>Gordon Anderson, David Fisher</i>	COMPSCI 320 WITH A GRADE OF A- OR BETTER.		PERMISSION OF INSTRUCTOR REQUIRED. MEETS WITH COMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<b>COMPSCI 532</b> SYSTEMS FOR DATA SCIENCE <i>Marco Serafini</i>	UNDERGRADUATES: COMPSCI 311, COMPSCI 345, AND COMPSCI 377, ALL WITH A GRADE OF B OR BETTER.	Lect 01: JUNIOR AND SENIOR CS MAJORS ONLY. Lect 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS HELD IN LECT 02 FOR INCOMING STUDENT REGISTRATION. WAS 590S. 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> .
<b>COMPSCI 546</b> APPLIED INFORMATION RETRIEVAL <i>David Fisher</i>	UNDERGRADUATES: COMPSCI 320 AND COMPSCI 383 (OR COMPSCI 446 OR COMPSCI 585) WITH C OR BETTER.	Lect 01: JUNIOR AND SENIOR UNDERGRADUATES ONLY. Lect 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS SAVED IN LECT 02 FOR INCOMING STUDENT REGISTRATION. WAS COMPSCI 590R. 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> .
<b>COMPSCI 585</b> INTRO NATURAL LANG PROCESSING <i>Mohit Iyyer</i>	UNDERGRADUATES: COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 240, BOTH WITH A GRADE OF C OR BETTER.	Lect 01: SENIOR CS MAJORS ONLY. Lect 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. AN ALTERNATE PREREQUISITE OF LINGUIST 492B IS ACCEPTABLE FOR LINGUISTICS MAJORS; LINGUISTICS STUDENTS WITH PROGRAMMING AND PROBABILITY EXPERIENCE WILL LIKELY BE ADMITTED AND ENCOURAGED TO SUBMIT AN OVERRIDE. STUDENTS FROM OTHER DISCIPLINES WILL BE CONSIDERED AS WELL IF AVAILABLE SEATS. SEATS HELD IN LECT 02 FOR INCOMING STUDENT REGISTRATION. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .  LECT 01 RESTRICTED TO SENIOR CS MAJORS ONLY. WE WILL CONSIDER OPENING BACK TO JUNIORS IF AVAILABLE SEATS.

**SPIRE REGISTRATION INFORMATION for 2019 Fall**

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<b>COMPSCI 589</b> MACHINE LEARNING  <i>Madalina Fiterau Brostean</i>	UNDERGRADUATES: COMPSCI 383 AND MATH 235 WITH A GRADE OF C OR BETTER.	LECT 01: JUNIOR AND SENIOR CS MAJORS ONLY. LECT 02: GRADUATE STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. STUDENTS MAY REQUEST TO TAKE MATH 235 LINEAR ALGEBRA AS A CO-REQUISITE WITH INSTRUCTOR PERMISSION. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. GRADUATE STUDENTS IN ECE, MATH, STATS IF AVAILABLE SEATS. 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> .
<b>COMPSCI 590CC</b> CLOUD COMPUTING  <i>Arun Venkataramani</i>	UNDERGRADUATES: COMPSCI 377 WITH A GRADE OF 'C' OR BETTER.	Lect 01: JUNIOR AND SENIOR CS MAJORS ONLY. Lect 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. 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> .
<b>COMPSCI 590E</b> ETHICAL CONSIDRTNS IN COMPUTNG  <i>Michelle Trim</i>		MS-CMPSCI STUDENTS ONLY.	SEATS HELD FOR INCOMING STUDENT REGISTRATION. UNDERGRADUATE CS MAJORS WITH INSTRUCTOR PERMISSION (COURSE DOES NOT COUNT TOWARD CS MAJOR REQUIREMENTS). 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> .
<b>COMPSCI 590N</b> INTRO NUMRICAL CMPTNG W/PYTHON  <i>David Wemhoener</i>		GRADUATE STUDENTS ONLY.	<i>ONLINE OFFERING. COURSE RUNS FOR 6 WEEKS (9/10/19-10/18/19). FAMILIARITY WITH UNDERGRADUATE-LEVEL PROBABILITY, STATISTICS, AND LINEAR ALGEBRA WILL BE ASSUMED. UNDERGRADUATES WHO HAVE COMPLETED COMPSCI 240 AND MATH 235 WITH PERMISSION OF INSTRUCTOR. 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>.</i>
<b>COMPSCI 590OP</b> APPLIED NUMERICAL OPTIMIZATN  <i>Shiting Lan</i>	COMPSCI 240, MATH 235, AND MATH 233, ALL WITH C OR BETTER.	LECT 01: JUNIOR AND SENIOR CS MAJORS ONLY. LECT 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS HELD FOR INCOMING GRADUATE STUDENT REGISTRATION. 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> .
<b>COMPSCI 591CF</b> S-CYBERSECURITY LECTURE SERIES  <i>Daniel Holcomb, Wayne Burtleson, Brian Levine, Amir Houmansadr, Eric Sommers</i>			MEETS WITH ECE 591CF AND MATH 591CF. NO CLASS MEETING ON 10/15/19 (MONDAY CLASS SCHEDULE). MAY BE REPEATED FOR CREDIT UP TO 2 TIMES. MANDATORY SATISFACTORY GRADING BASIS. 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> .
<b>COMPSCI 597N</b> ST-COMPUTER AND NETWORK SECURITY  <i>Parviz Kermani</i>		CPE LECT 01: MS-CMPSCI AND MS-ECE STUDENTS ONLY.	<i>CPE LECT 01: REGISTRATION FOR CPE SECTION: <a href="https://www.umass.edu/cpe">https://www.umass.edu/cpe</a></i>
<b>COMPSCI 611</b> ADVANCED ALGORITHMS  <i>Andrew McGregor</i>		COMPSCI GRADUATE STUDENTS ONLY.	INSTRUCTOR PERMISSION REQUIRED FOR UNDERGRADUATE CS MAJORS CLEARED BY THE UPD, IF AVAILABLE SEATS. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. 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> .
<b>COMPSCI 613</b> ADV LOGIC IN COMPUTER SCIENCE  <i>Neil Immerman</i>		COMPSCI GRADUATE STUDENTS ONLY.	WAS COMPSCI 690LG. MEETS WITH COMPSCI 513. STUDENTS TAKING THIS COURSE SHOULD HAVE UNDERGRADUATE PREPARATION IN DISCRETE MATH AND ALGORITHMS. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. 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> .

**SPIRE REGISTRATION INFORMATION for 2019 Fall**

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<p><b>COMPSCI 630</b> SYSTEMS</p> <p style="text-align: right;"><i>Emery Berger</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	SENIOR CS MAJORS WITH PERMISSION OF INSTRUCTOR AND UPD; BACKGROUND IN UNDERGRAD OS IS HELPFUL. SEATS HELD FOR INCOMING STUDENT REGISTRATION. 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> .
<p><b>COMPSCI 635</b> MODERN COMPUTER ARCHITECTURE</p> <p style="text-align: right;"><i>Charles Weems</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	SEATS SAVED FOR INCOMING GRAD STUDENT REGISTRATION. COMPSCI 535 OR EQUIVALENT INTRODUCTORY COMPUTER ARCHITECTURE COURSE IS ASSUMED AS PRIOR KNOWLEDGE. CONTACT INSTRUCTOR IF UNCERTAIN. 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> .
<p><b>COMPSCI 670</b> COMPUTER VISION</p> <p style="text-align: right;"><i>Subhransu Maji</i></p>		CMPSCI AND ECE GRADUATE STUDENTS ONLY.	PREREQUISITES ARE LINEAR ALGEBRA, CALCULUS 1 AND 2, MULTI-VARIATE CALCULUS OR PERMISSION OF INSTRUCTOR. STATS 515 OR PERMISSION OF INSTRUCTOR. ADVANCED UNDERGRADUATES WITH PERMISSION OF INSTRUCTOR. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI 682</b> NEURAL NETWORKS:MODERN INTRO</p> <p style="text-align: right;"><i>Erik Learned-Miller</i></p>		GRADUATE STUDENTS ONLY.	PREREQUISITES: BASIC FAMILIARITY WITH AI/COGNITIVE SCIENCE/MACHINE LEARNING. BASIC KNOWLEDGE OF GRADIENT-BASED OPTIMIZATION. MULTIVARIATE CALCULUS, LINEAR ALGEBRA, ALGORITHMIC ANALYSIS, PROBABILITY/STATISTICS, PROGRAMMING IN PYTHON OR EQUIVALENT HIGH LEVEL LANGUAGE. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. 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> .
<p><b>COMPSCI 687</b> REINFORCEMENT LEARNING</p> <p style="text-align: right;"><i>Philip Thomas</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	A BACKGROUND IN MACHINE LEARNING (COMPSCI 589 AND COMPSCI 689) AND ARTIFICIAL INTELLIGENCE (COMPSCI 683) ARE ASSUMED. FAMILIARITY WITH AN OBJECT ORIENTED PROGRAMMING LANGUAGE IS REQUIRED. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. 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> .
<p><b>COMPSCI 689</b> MACHINE LEARNING</p> <p style="text-align: right;"><i>Benjamin Marlin</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	PERMISSION OF INSTRUCTOR FOR CS MAJORS MEETING THE PREREQUISITE OF MATH 132 AND MATH 235, AND EITHER STATISTICS 515 OR 607 OR 608, IF CLEARED BY THE UPD AND AVAILABLE SEATS. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. 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> .
<p><b>COMPSCI 690C</b> FOUNDATIONS-APPLIED CRYPTOGRAPHY</p> <p style="text-align: right;"><i>Adam O'Neill</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	MATHEMATICAL MATURITY, BEING COMFORTABLE READING AND WRITING MATHEMATICAL PROOFS. SEATS SAVED FOR INCOMING GRAD STUDENT REGISTRATION. 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> .
<p><b>COMPSCI 690Q</b> QUANTUM INFORMATION SYSTEMS</p> <p style="text-align: right;"><i>Donald Towsley</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	FAMILIARITY WITH LINEAR ALGEBRA (MATH 235) AND CALCULUS (MATH 131/132). KNOWLEDGE OF SOME PROBABILITY AND DISCRETE MATH. KNOWLEDGE OF QUANTUM MECHANICS IS NOT A PREREQUISITE; QUANTUM CONCEPTS INTRODUCED AS NEEDED. KNOWLEDGE OF ALGORITHMS AND COMPLEXITY ARE NOT PREREQUISITES; ALSO INTRODUCED AS NEEDED. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. 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> .
<p><b>COMPSCI 691DD</b> S-RESEARCH METHODS-EMPIRICAL CS</p> <p style="text-align: right;"><i>David Jensen</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	SEATS SAVED FOR INCOMING GRADUATE REGISTRATION. CHC CS MAJORS WITH INSTRUCTOR, HPD, AND UPD PERMISSION. 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> .

**SPIRE REGISTRATION INFORMATION for 2019 Fall**

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<p><b>COMPSCI 691O</b> S-TOOLS-EXPLANATORY/TUTRNG SYS <i>Beverly Woolf</i></p>		GRADUATE STUDENTS ONLY.	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> .
<p><b>COMPSCI 691WM</b> S-WEARBL&amp;MOBLE SENSRS-CLIN SCI <i>Sunghoon Lee</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	SECT 01=3 CR; SECT 02=1 CR. SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. 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> .
<p><b>COMPSCI 692A</b> S-AUTOMTD KNWLDG BASE CONSTRUC <i>Andrew McCallum</i></p>	COMPSCI 585 (OR COMPSCI 685)	CMPSCI GRADUATE STUDENTS ONLY.	SEATS HELD FOR INCOMING GRAD STUDENT REGISTRATION. GRADUATE STUDENTS NOT MEETING PREREQUISITES WITH PERMISSION OF INSTRUCTOR. 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> .
<p><b>COMPSCI 692E</b> S-EQUITABLE ALGRITHMS AND SYSS <i>Gerome Miklau, Alexandra Meliou, Przemyslaw Grabowicz</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	ALL GRADUATE STUDENTS ARE WELCOME TO ATTEND, REGARDLESS OF THEIR PRIMARY AREA OF RESEARCH; STUDENTS WILL BE EXPECTED TO PARTICIPATE IN ALL DISCUSSIONS AND PRESENT A RESEARCH PAPER AT LEAST ONCE DURING THE SEMESTER. 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> .
<p><b>COMPSCI 692N</b> S- NVL CMPUTATIONAL HRDWR &amp; ML <i>Edward Rietman</i></p>		CMPSCI GRADUATE STUDENTS ONLY.	A BACKGROUND IN LINEAR ALGEBRA, CALCULUS, AND STATISTICS IS ASSUMED. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://cics.umass.edu/overrides">https://cics.umass.edu/overrides</a>
<p><b>COMPSCI 698W</b> P-CS RESRCH WRITNG PRACTICUM <i>Justin Obara</i></p>		CMPSCI PHD STUDENTS ONLY.	MAY BE REPEATED FOR CREDIT ONCE. SECT 01 (9/3-10/11/19); SECT 02 (10/15-11/22/19; NO CLASS 10/15). 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> .
<p><b>COMPSCI 701</b> ADV TOPICS IN CMPSCI</p>		DOCTORAL, MASTERS CMPSCI GRADUATE STUDENTS ONLY.	REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI 741</b> COMPLEXITY THEORY <i>David Barrington</i></p>	COMPSCI 601	GRADUATE STUDENTS ONLY.	STUDENTS NOT MEETING PREREQUISITE WITH INSTRUCTOR PERMISSION. 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> .
<p><b>COMPSCI 890T</b> TEACH ASSTS-TOMORROW'S FACULTY <i>Neena Thota</i></p>			COURSE IS ASSOCIATED WITH CICS TA EMPLOYMENT. REQUIRED COMPONENT OF TA CONTRACT. REGISTRATION WILL BE PROCESSED BY GRADUATE PROGRAM MANAGER AFTER SIGNED AND APPROVED CONTRACT. OPEN TO CICS TEACHING ASSISTANTS ONLY.

**SPIRE REGISTRATION INFORMATION for 2019 Fall**

	<u>PREREQUISITES</u>	<u>ELIGIBILITY RESTRICTIONS</u>	<u>CLASS NOTES/COMMENTS</u> <small>INFORMATION ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</small>
<p><b>COMPSCI 891M</b> S-THEORY OF COMPUTATION <i>David Barrington</i></p>		DOCTORAL, MASTERS GRADUATE STUDENTS ONLY.	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> .
<p><b>COMPSCI 899</b> PHD DISSERTATION</p>			COURSE OPEN ONLY TO CS GRADUATE STUDENTS WHO HAVE PASSED PORTFOLIO. REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI H250</b> HNRS COLLOQ: INTRO COMPUTATION <i>Marius Minea</i></p>	COMPSCI 187 AND MATH 132 WITH A GRADE OF C OR BETTER (OR COMPSCI 250 WITH A GRADE OF B OR BETTER).	UNDERGRADUATE COMMONWEALTH HONORS COLLEGE STUDENTS ONLY.	NO OPTION FOR PASS/FAIL. STUDENTS MUST BE ENROLLED IN COMPSCI 250 (OR HAVE COMPLETED COMPSCI 250 WITH A GRADE OF B OR BETTER). REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI H320</b> HNRS COLLOQ: SOFTW ENGINEERING <i>Leon Osterweil</i></p>	COMPSCI 220 WITH A GRADE OF C OR BETTER (OR COMPSCI 320 WITH A GRADE OF B OR BETTER).	JUNIOR AND SENIOR CS MAJORS IN COMMONWEALTH HONORS COLLEGE.	NO OPTION FOR PASS/FAIL. STUDENTS MUST BE ENROLLED IN COMPSCI 320 (OR HAVE COMPLETED COMPSCI 320 WITH A GRADE OF B OR BETTER). REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI H335</b> HNRS COLLOQ: INSIDE THE BOX <i>Charles Weems</i></p>	COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF C OR BETTER (OR COMPSCI 335 WITH A GRADE OF B OR BETTER).	JUNIOR AND SENIOR CS MAJORS IN COMMONWEALTH HONORS COLLEGE.	NO OPTION FOR PASS/FAIL. STUDENTS MUST BE ENROLLED IN COMPSCI 335 (OR HAVE COMPLETED COMPSCI 335 WITH A GRADE OF B OR BETTER). REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI H345</b> HNRS COLLOQ: PRAC&amp;APP-DATA MGT <i>Alexandra Meliou</i></p>	COMPSCI 187 WITH A GRADE OF C OR BETTER (OR COMPSCI 345 WITH A GRADE OF B OR BETTER).	JUNIOR AND SENIOR CS MAJORS IN COMMONWEALTH HONORS COLLEGE.	NO OPTION FOR PASS/FAIL. STUDENTS MUST BE ENROLLED IN COMPSCI 345 (OR HAVE COMPLETED COMPSCI 345 WITH A GRADE OF B OR BETTER). REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>COMPSCI H589</b> HNRS COLLOQ: MACHINE LEARNING <i>Madalina Fiterau Brostean</i></p>	COMPSCI 383 AND MATH 235 WITH A GRADE OF C OR BETTER (OR COMPSCI 589 WITH A GRADE OF B OR BETTER).	JUNIOR AND SENIOR CS MAJORS IN COMMONWEALTH HONORS COLLEGE.	NO OPTION FOR PASS/FAIL. STUDENTS MUST BE ENROLLED IN COMPSCI 589 (OR HAVE COMPLETED COMPSCI 589 WITH A GRADE OF B OR BETTER). REQUEST OVERRIDE VIA THE ON-LINE FORM: <a href="https://www.cics.umass.edu/overrides">https://www.cics.umass.edu/overrides</a> .
<p><b>INFO 101</b> INTRO TO INFORMATICS <i>Michelle Trim</i></p>		UNDERGRADUATE NON-CS MAJORS ONLY.	CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. FOUNDATIONS COURSE FOR THE INFORMATICS MAJOR (BDIC). 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> .
<p><b>INFO 150</b> MATH FOUND-INFORMATICS <i>Peter Haas, Jaime Dávila</i></p>		UNDERGRADUATE NON-CS AND NON-MATH/STATS MAJORS ONLY.	CS AND MATH/STATS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. R1 MATH USEFUL; NOT ABSOLUTELY REQUIRED. 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> .