	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT AFFE
CICS 290M MAKE: PHYSICAL COMPUTING Rui Wang	COMPSCI 187 WITH A GRADE OF 'C' OR BETTER AND BASIC MATH SKILLS(R1).	FRESHMAN AND SOPHOMORE BS-CS MAJORS ONLY.	THIS COURSE HAS A REQUIRED LAB SECTION AND COUNTS T SCIENCE REQUIREMENT FOR THE BS-CS. THIS OFFERING IS SOPHOMORE AND FRESHMAN BS-CS MAJORS ONLY WHO HAV THE CS LAB SCIENCE REQUIREMENT. JUNIORS MAY BE CONS SEATS. STUDENTS NEEDING SPECIAL PERMISSION MUST REI VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
CICS 597C ST-INTRO TO COMPUTER SECURITY Parviz Kermani		LECT 01: INSTRUCTOR CONSENT. LECT 02: GRADUATE AND NON-DEGREE GRADUATE STUDENTS ONLY.	CPE REGISTRATION: www.umassulearn.net
COMPSCI 105 COMPUTER LITERACY William Verts		UNDERGRADUATE NON-CS MAJORS ONLY.	CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER FOR PE ASSIGNMENTS. COMPUTER MUST RUN WINDOWS 7, 8, OR 10, AND LATER, WITH A RECENT VERSION OF MICROSOFT OFFICE THAN MICROSOFT OFFICE 2010 FOR WINDOWS OR MICROSOF MAC). NOT ALL ASSIGNMENTS CAN BE PERFORMED ON A MA WITHOUT WINDOWS (OR WITHOUT A COMPUTER) MAY USE C/ LABS. PLEASE CHECK 105 WEBSITE. STUDENTS NEEDING SP MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://w edu/overrides.
COMPSCI 119 INTRO PROGRAMMING William Verts		UNDERGRADUATE NON-CS MAJORS ONLY.	CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. STUDENT: PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE Fo umass.edu/overrides.
COMPSCI 121 PROBLEM SOLVING W/COMPUTERS Gordon Anderson, Neena Thota	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 COMPSCI MAJORS OR THOSE APPLYING TO T MAJORS SHOULD TAKE COMPSCI 119 OR COMPSCI 190F. ATTI AND LAB IS MANDATORY. ICLICKER IS REQUIRED. FOR QUES COURSE ADMINISTRATION, CONTACT CS121admin@cs.umass.e NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES FORM: https://www.cics.umass.edu/overrides.
COMPSCI 145 REP,STORNG&RET INFO William Verts	R1.	UNDERGRADUATE NON-CS MAJORS ONLY.	CS MAJORS ARE NOT ELIGIBLE FOR THIS COURSE. STUDENTS PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FO umass.edu/overrides.
COMPSCI 186 USING DATA STRUCTURES Neena Thota, David Wemhoener	COMPSCI 121 WITH A GRADE OF C OR BETTER AND BASIC MATH SKILLS (R1).	UNDERGRADUATES ONLY.	STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST C ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 187 PROGRAMMING W/DATA STRCTRS Mark Corner	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 O (OR C OR BETTER IN COMPSCI 186(WAS COMPSCI 190D). ATTE BEFORE FIRST CLASS MEETING. CS MINORS, APPLICANTS-ON OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING S MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://w edu/overrides.
COMPSCI 197C ST-PGMG IN C John Foley	COMPSCI 186 OR 187 (OR E&C-ENG 242) WITH A GRADE OF C OR BETTER.	FRESHMEN AND SOPHOMORE CS MAJORS ONLY.	STUDENTS WHO HAVE TAKEN COMPSCI 230 ARE NOT ELIGIBL COURSE RUNS FOR 6 WEEKS (9/12, 9/19, 9/26, 10/3, 10/10, and AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES FORM: https://www.cics.umass.edu/overrides. STUDENTS ARE EI BRING A LAPTOP. WINDOWS USERS SHOULD DOWNLOAD PU chiark.greenend.org/~sgtatham/putty/download.html.
COMPSCI 197S ST-BASICS OF CYBERSECURITY Shruti Jadon		FRESHMEN AND SOPHOMORES ONLY.	COURSE RUNS FOR 6 WEEKS (3/19/18-4/25/18: 3/19, 3/21, 3/26, 3/16-NO CLASS, 4/17, 4/18, 4/23, 4/25). STUDENTS WHO HAVE T ARE NOT ELIGIBLE FOR THIS COURSE. REGISTRATION ONLY ENDS, THROUGH 2/5. INSTRUCTOR CONSENT REQUIRED TO MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIG STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST C ON-LINE FORM: https://www.cics.umass.edu/overrides.

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O THE MAJOR. NON-TTENDANCE IN LECT JESTIONS ABOUT 121 ss.edu. STUDENTS ES VIA THE ON-LINE

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GIBLE FOR THIS COURSE. Ind 10/17). CS MINORS Y, OR STUDENTS ES VIA THE ON-LINE E ENCOURAGED TO PUTTY HERE: http://www.

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	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT AFFE
COMPSCI 197U ST-A HANDS-ON INTRO TO UNIX John Foley		FRESHMEN AND SOPHOMORE UNDERGRADUATES ONLY.	COURSE RUNS FOR 6 WEEKS (1/29/18-3/19/18: 1/29, 1/31, 2/5, CLASS, 2/21, 2/26, 3/28, 3/5, 3/7, 3/12-NO CLASS, 3/14-NO CLASS THROUGH 2/5. INSTRUCTOR CONSENT REQUIRED TO WITHD MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIC STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 198J P-HIGH SCHOOL TEACHING PRACTICUM Emery Berger	COMPSCI 121 AND COMPSCI 187 BOTH WITH A GRADE OF A- OR BETTER.	UNDERGRADUATES ONLY.	INSTRUCTOR CONSENT REQUIRED. MAY BE REPEATED FOR
COMPSCI 220 PGMG METHODOLOGY Arjun Guha	COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 220/230 IN SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RES DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUE THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 230 CMPTR SYS PRINC Timothy Richards	COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 220/230 IN SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RES DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUE THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 240 RSNG UNDER UNCERTAINTY <i>Emma Tosch, Luis Pineda</i>	COMPSCI 187 (OR E&C-ENG 242) AND MATH 132 WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	STUDENTS ARE ADVISED NOT TO TAKE 240/250 IN THE SAME ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSA APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELL STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 250 INTRO TO COMPUTATION David Barrington	MATH 132 AND COMPSCI 187 (OR E&C-ENG 242) WITH GRADE OF 'C' OR BETTER.	CS AND MATH MAJORS ONLY.	STUDENTS ARE ADVISED NOT TO TAKE 240/250 IN THE SAME ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT T ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSA APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING EL STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 305 SOC ISS IN CMPTNG Michelle Trim, Anna Napoleone	ENGLWRIT 112 (OR ENGLWRIT 000 WAIVER) AND COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 240 (OR COMPSCI 250), ALL WITH A GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	SATISFIES JUNIOR YEAR WRITING REQUIREMENT. STUDENT PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE F umass.edu/overrides.
COMPSCI 311 INTRO TO ALGORITHMS Akshay Krishnamurthy	COMPSCI 187 AND COMPSCI 250 (OR MATH 455) WITH A GRADE OF C OR BETTER.	CS MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUE THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 320 INTRO TO SOFTWARE ENGINEERING Gordon Anderson, Neena Thota	COMPSCI 220 WITH GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	SATISFIES INTEGRATIVE EXPERIENCE REQUIREMENT FOR C MAJORS WILL BE ADMITTED ONLY IF SPACE ALLOWS. MEETS AN OPTIONAL HONORS COLLOQUIUM IS AVAILABLE FOR THIS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEI STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 326 WEB PROGRAMMING Timothy Richards	COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF C OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	SATISFIES INTEGRATIVE EXPERIENCE REQUIREMENT FOR C. INFORMATICS STUDENTS NOT MEETING PREREQUISITE WHO SUCCESSFULLY COMPLETED COMPSCI 187 MAY BE ALLOWE OF INSTRUCTOR IF AVAILABLE SEATS. CS MINORS, APPLICA AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEI PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE F umass.edu/overrides.

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2/5, 2/7, 2/12, 2/14, 2/19-NO ASS, 3/19). ADD/DROP FHDRAW 2/6-2/9 ONLY. CS ELIGIBILITY, OR ST OVERRIDES VIA THE

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CS MAJORS. CSENG TS WITH COMPSCI 529. HIS COURSE. CS MEETING ELIGIBILITY, OR TOVERRIDES VIA THE

R CS MAJORS. WHO HAVE WED WITH PERMISSION ICANTS-ON-CONTRACT, EEDING SPECIAL IE FORM: https://www.cics.

	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT AFFE
COMPSCI 345 PRACT & APPLICS OF DATA MGMT David Wemhoener	COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	STUDENTS ARE EXPECTED TO HAVE BASIC PROGRAMMING S TO USE LAPTOPS IN CLASS. STUDENTS WHO HAVE TAKEN C ELIGIBLE. INFORMATICS (BDIC) MAJORS SHOULD REQUEST UNABLE TO ENROLL ON SPIRE. OTHER NON-CS MAJORS WH PREREQUISITE WILL BE CONSIDERED WITH INSTRUCTOR PE AVAILABLE SEATS. STUDENTS NEEDING SPECIAL PERMISSIC OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.ee
COMPSCI 365 DIGITAL FORENSICS Marc Liberatore	COMPSCI 220 (OR COMPSCI 230) WITH A GRADE OF C OR BETTER.	CS MAJORS ONLY.	MEETS WITH COMPSCI 590F. CS MINORS, APPLICANTS-ON-CC OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://w edu/overrides.
COMPSCI 370 INTRO TO COMPUTER VISION Subhransu Maji	COMPSCI 240 OR COMPSCI 383 WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	A BACKGROUND IN LINEAR ALGEBRA IS RECOMMENDED. CS APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELI STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 373 INTRO TO COMPUTER GRAPHICS Evangelos Kalogerakis	COMPSCI 187 (OR E&C-ENG 242) AND INFO 150 (OR COMPSCI 190DM OR MATH 235 OR COMPSCI 240) BOTH WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	MEETS WITH COMPSCI 497C. STUDENTS WHO HAVE TAKEN O ELIGIBLE. STUDENTS WHO HAVE TAKEN 373 CANNOT TAKE C TOPICS IN COMPUTER GRAPHICS. RESERVES FOR INFORMA MINORS, APPLICANTS-ON-CONTRACT, INFORMATICS MAJORS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cio
COMPSCI 377 OPERATING SYSTEMS Ahmed Aleyeldin Hassan	COMPSCI 230 WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	DISCUSSION MEETS AFTER FIRST LECTURE. CS MINORS, API CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STU SPECIAL PERMISSION (INSTRUCTOR PERMISSION IF NOT ME MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://w edu/overrides.
COMPSCI 383 ARTIFICIAL INTELLIGENCE Philip Thomas	COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 240, BOTH WITH GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CS MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUE THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 390N INTERNET OF THINGS Sunghoon Lee	COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF C OR BETTER.	CS MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUE THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 403 INTRO ROBTCS:PRCP,MECH,DYN, CTRL Joydeep Biswas	MATH 235 (OR MATH 236) AND COMPSCI 220 (OR COMPSCI 230) WITH GRADE OF C OR BETTER.	UNDERGRADUATES ONLY.	AN HONORS COLLOQUIUM IS AVAILABLE FOR THIS COURSE. PROGRAMMING CLASS, C OR C++ EXPERIENCE. STUDENTS I PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE F umass.edu/overrides.
COMPSCI 445 INFORMATION SYSTEMS Gerome Miklau	COMPSCI 220 (OR COMPSCI 230) AND COMPSCI 311 AND COMPSCI 345, ALL WITH GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	IF AVAILABLE SEATS, STUDENTS WHO ARE NOT CS MAJORS PROGRAMMING EXPERIENCE, CS GRADUATE STUDENTS, OR SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ( //www.cics.umass.edu/overrides.
COMPSCI 446 SEARCH ENGINES David Fisher	COMPSCI 240 OR COMPSCI 383 WITH A GRADE OF 'C' OR BETTER.	CS MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUE THE ON-LINE FORM: https://www.cics.umass.edu/overrides.

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IN COMPSCI 473 ARE NOT E COMPSCI 497C SPECIAL MATICS STUDENTS. CS DRS (BDIC) AND OTHERS AL PERMISSION MUST 0.cics.umass.edu/overrides.

APPLICANTS-ON-ITUDENTS NEEDING MEETING PREREQUISITE) s://www.cics.umass.

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RS BUT HAVE SUFFICIENT OR STUDENTS NEEDING IE ON-LINE FORM: https:

DT MEETING ELIGIBILITY, UEST OVERRIDES VIA

	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT AFFE
COMPSCI 453 COMPUTER NETWORKS Parviz Kermani	COMPSCI 230 (OR COMPSCI 377) WITH A GRADE OF 'C' OR BETTER.	SENIOR AND JUNIOR CS MAJORS ONLY.	STUDENTS WHO ARE NOT CS MAJORS BUT HAVE SUFFICIENT EXPERIENCE, CS GRADUATE STUDENTS, OR STUDENTS NEE PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE F umass.edu/overrides.
COMPSCI 490P SECURE DISTRIBUTED SYSTEMS Brian Levine	COMPSCI 326, COMPSCI 345, COMPSCI 377, COMPSCI 453, COMPSCI 460, COMPSCI 497P, OR COMPSCI 590CC WITH A GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CS OR CSENG MAJORS ONLY.	STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST O ON-LINE FORM: https://www.cics.umass.edu/overrides
COMPSCI 491G S-COMPUTER NETWORKING LAB Parviz Kermani	COMPSCI 453 WITH A GRADE OF C OR BETTER.	UNDERGRADUATE STUDENTS ONLY.	CLASS MEETS IN LGRC A310 ONLY FOR INITIAL CLASS ORIEN CLASS MEETINGS WILL BE BY ARRANGEMENT WITH INSTRUC NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES FORM: https://www.cics.umass.edu/overrides.
COMPSCI 497C ST- IN COMPUTER GRAPHICS Evangelos Kalogerakis	COMPSCI 187(OR E&C-ENG 242) AND INFO 150 (OR MATH 235 OR COMPSCI 240) WITH A GRADE OF B+ OR BETTER.	CS MAJORS ONLY.	MEETS WITH COMPSCI 373. STUDENTS NOT MEETING SPECI COMPSCI 240 WHO HAVE RELEVANT COURSEWORK MAY BE INSTRUCTOR PERMISSION IF AVAILABLE SEATS. STUDENTS PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE F umass.edu/overrides.
COMPSCI 501 FORMAL LANGUAGE THEORY Neil Immerman	UNDERGRADUATES: COMPSCI 311 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. IT IS RECO UNDERGRADUATE STUDENTS HAVE A B- OR BETTER IN COM ATTEMPT 501. SEATS HELD FOR INCOMING GRAD STUDENT MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEE STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST O ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 514 ALGORITHMS FOR DATA SCIENCE Barna Saha	UNDERGRADUATES: COMPSCI 240 AND COMPSCI 311 WITH A GRADE OF B+ OR BETTER.	LECT 01: CS MAJORS ONLY. LECT 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS HE INCOMING STUDENT REGISTRATION. STUDENTS NEEDING SI MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://v edu/overrides.
COMPSCI 529 SOFTWARE ENGINEERING PROJ MGMT Gordon Anderson, Neena Thota	COMPSCI 320 WITH A GRADE OF A- OR BETTER.		PERMISSION OF INSTRUCTOR REQUIRED. MEETS WITH COM NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERR FORM: https://www.cics.umass.edu/overrides.
COMPSCI 535 COMPUTER ARCHITECTURE Charles Weems	UNDERGRADUATES: COMPSCI 335 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. CS MINOR CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STU SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE C //www.cics.umass.edu/overrides.
COMPSCI 589 MACHINE LEARNING David Jensen	UNDERGRADUATES: COMPSCI 383 AND MATH 235 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. STUDENTS TAKE MATH 235 LINEAR ALGEBRA AS A CO-REQUISITE WITH I PERMISSION. SEATS HELD IN LECT 02 FOR INCOMING STUDE STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST O ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 590B DETECTING INTRFRNCE-NTWRKS Phillipa Gill	UNDERGRADUATES: COMPSCI 453 WITH A C OR BETTER.	LECT 01: CS MAJORS ONLY. LECT 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. MEETS W SEATS HELD IN LECT 02 FOR INCOMING STUDENT REGISTRA' NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES FORM: https://www.cics.umass.edu/overrides.

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ECOMMENDED THAT OMPSCI 311 IN ORDER TO NT REGISTRATION. CS MEETING ELIGIBILITY, OR ST OVERRIDES VIA THE

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OMPSCI 320. STUDENTS RRIDES VIA THE ON-LINE

ORS, APPLICANTS-ON-TUDENTS NEEDING E ON-LINE FORM: https:

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WITH COMPSCI 690B. RATION. STUDENTS IES VIA THE ON-LINE

	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT AFFE
COMPSCI 590C HUMAN COMPUTER INTERACTION Eva Hudlicka	COMPSCI 187 (OR E&C-ENG 242) AND COMPSCI 220 (OR COMPSCI 230) WITH A 'C' OR BETTER.	LECT 01: JR AND SR CS MAJORS ONLY. LECT 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. FAMILIAR DESIRABLE BUT NOT NECESSARY. NON-CS MAJORS WITH PI INSTRUCTOR. IN ADDITION TO REQUESTING AN OVERRIDE, I STUDENTS WISHING TO ENROLL MUST FIRST SUBMIT A BRIE INTEREST TO THE INSTRUCTOR, AND A BRIEF LETTER OF RE FROM THEIR ADVISOR. THIS LETTER MUST INCLUDE THE ST GPA. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 590F DIGITAL FORENSICS Marc Liberatore		MS-CMPSCI STUDENTS ONLY.	STUDENTS WHO HAVE TAKEN COMPSCI 365 AS AN UNDERGE ELIGIBLE FOR THIS COURSE. GRADUATE STUDENTS WILL BE SELECTED CURRENT TECHNICAL AND LAW ARTICLES AND TO ANALYZE STATE-OF-THE-ART SYSTEMS. PERMISSION OF INS UNDERGRADUATES WITH COMPSCI 220 OR 230 WITH A GRAD AVAILABLE SEATS. STUDENTS NEEDING SPECIAL PERMISSIO OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.ee
COMPSCI 590IV INTELLIGENT VISUAL COMPUTING Evangelos Kalogerakis	UNDERGRADUATES: COMPSCI 311, COMPSCI 383, COMPSCI 373 (OR COMPSCI 473), ALL WITH A GRADE OF B OR BETTER.	LECT 01: CS MAJORS ONLY. LECT 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS (INSTRUCTOR CONSENT REQUIF GRADS. SEATS SAVED IN LECT 02 FOR INCOMING STUDENT STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 590M INTRODUCTION TO SIMULATION Peter Haas	UNDERGRADUATES: COMPSCI 187 AND STATISTC 515 WITH A GRADE OF C OR BETTER.	LECT 01: JR AND SR CS MAJORS ONLY. LECT 02: MS-CMPSCI GRAD STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS SA GRAD STUDENTS. SOME BACKGROUND IN STOCHASTIC PRO BUT NOT REQUIRED, AS THE MATERIAL WILL BE DEVELOPED INSTRUCTOR PERMISSION REQUIRED FOR UNDERGRADUATI PREREQUISITES AND GRADUATE IE STUDENTS. STUDENTS I PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE F umass.edu/overrides.
COMPSCI 590U MOBILE AND UBIQ COMPUTING Tauhidur Rahman	UNDERGRADUATES: BOTH COMPSCI 230 AND COMPSCI 240 WITH A GRADE OF C OR BETTER.	LECT 01: JUNIOR AND SENIOR CS MAJORS. LECT 02: MS-CMPSCI AND ECE GRAD STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SOME BAC MACHINE LEARNING, SIGNAL PROCESSING, EMBEDDED SYS COMPUTING IS HELPFUL. INSTRUCTOR PERMISSION FOR STI ALTERNATE PREREQUISITES. STUDENTS NEEDING SPECIAL REQUEST OVERRIDES VIA THE ONLINE FORM: https://www.cics
COMPSCI 590V DATA VISUALIZATION&EXPLORATION John Fallon	UNDERGRADUATES: COMPSCI 220 (OR COMPSCI 230), WITH A GRADE OF B OR BETTER.	LECT 01: JR AND SR CS MAJORS ONLY. LECT 02: MS-CMPSCI STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. SEATS HE STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL PER REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.cio
COMPSCI 603 ROBOTICS Roderic Grupen		CMPSCI GRADUATE STUDENTS ONLY.	A BACKGROUND IN LINEAR ALGEBRA, DIFFERENTIAL EQUATI PROGRAMMING SKILLS ARE ASSUMED. UNDERGRADUATES INSTRUCTOR. STUDENTS NEEDING SPECIAL PERMISSION MI OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.ed
COMPSCI 611 ADVANCED ALGORITHMS Ramesh Sitaraman		CMPSCI GRADUATE STUDENTS ONLY.	INSTRUCTOR PERMISSION REQUIRED FOR UNDERGRADUAT CLEARED BY THE UPD, IF AVAILABLE SEATS. SEATS HELD FO REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.ed
COMPSCI 621 ADV SOFTENG:ANALYSIS & EVAL Yuriy Brun		CMPSCI GRADUATE STUDENTS ONLY.	SEATS HELD FOR INCOMING STUDENT REGISTRATION. STUE SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE C //www.cics.umass.edu/overrides.
COMPSCI 630 SYSTEMS Emery Berger		CMPSCI GRADUATE STUDENTS ONLY.	SENIOR CS MAJORS WITH PERMISSION OF INSTRUCTOR; BAU UNDERGRAD OS IS HELPFUL. SEATS HELD FOR INCOMING S REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSION OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.ed

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	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT AF
COMPSCI 645 DB DSGN & IMPLMNTN Alexandra Meliou, Yanlei Diao		CMPSCI GRADUATE STUDENTS ONLY.	STUDENTS SHOULD HAVE TAKEN AN UNDERGRADUATE LE OPERATING SYSTEMS OR DATABASES. SEATS HELD FOR I REGISTRATION. STUDENTS NEEDING SPECIAL PERMISSIO OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass.
COMPSCI 650 APPLIED INFO THEORY Arya Mazumdar	.)	CMPSCI GRADUATE STUDENTS ONLY.	UNDERGRADUATES WITH PERMISSION OF INSTRUCTOR. F COURSE IN PROBABILITY AND STATISTICS. STUDENTS NEE PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE umass.edu/overrides.
COMPSCI 660 ADV INFORMATION ASSURANCE Amir Houmansadi	.)	CMPSCI GRADUATE STUDENTS ONLY.	PREREQUISITE OF COMPSCI 460 OR COMPSCI 466, OR EQU UNDERGRADUATE CS MAJORS AND NON-CS STUDENTS BY INSTRUCTOR. SEATS HELD FOR INCOMING STUDENT REGI NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 677 DISTRIBUTED AND OPERATING SYS Prashant Shenoy		LECT 01: CMPSCI GRADUATE STUDENTS ONLY. LECT 02: GRADUATE STUDENTS ONLY.	LECT 02 IS ON-LINE. SENIOR CS MAJORS WITH PERMISSIO BACKGROUND IN UNDERGRAD OS IS HELPFUL. SEATS HEL STUDENT REGISTRATION. STUDENTS NEEDING SPECIAL P REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.
COMPSCI 682 NEURAL NETWORKS:MODERN INTRO Erik Learned-Miller		CMPSCI GRADUATE STUDENTS ONLY.	PREREQUISITES: BASIC FAMILIARITY WITH AI/COGNITIVE S LEARNING. BASIC KNOWLEDGE OF GRADIENT-BASED OPT LINEAR ALGEBRA, ALGORITHMIC ANALYSIS, PROBABILITY; PROGRAMMING IN PYTHON OR EQUIVALENT HIGH LEVEL L FOR INCOMING STUDENT REGISTRATION. STUDENTS NEE PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE umass.edu/overrides.
COMPSCI 683 ARTIFICIAL INTELLIGENCE Shlomo Zilberstein		CMPSCI GRADUATE STUDENTS ONLY.	STUDENTS WHO HAVE TAKEN AN UNDERGRADUATE AI COU SEATS HELD FOR INCOMING STUDENT REGISTRATION. ST SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE //www.cics.umass.edu/overrides.
COMPSCI 688 PROBABILISTIC GRAPHICAL MODELS Benjamin Marlin		CMPSCI GRADUATE STUDENTS ONLY.	SEATS HELD FOR INCOMING STUDENT REGISTRATION. ST SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE //www.cics.umass.edu/overrides.
COMPSCI 690B DETECTING INTRFRNCE-NTWRKS Phillipa Gill		CMPSCI GRADUATE STUDENTS ONLY.	MEETS WITH COMPSCI 590B. SEATS HELD FOR INCOMING REGISTRATION. STUDENTS TAKING THIS COURSE SHOULD UNDERGRADUATE PREPARATION IN COMPUTER NETWORK STUDENTS NEEDING SPECIAL PERMISSION MUST REQUES ON-LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 690IV INTELLIGENT VISUAL COMPUTING Evangelos Kalogerakis		CMPSCI GRADUATE STUDENTS ONLY.	CMPSCI GRADUATES AND OTHERS ARE ASSUMED TO HAVE COMPLETED PREREQS OR EQUIV: COMPSCI 311, 383, AND 3 GRADE OF A- OR BETTER. SEATS HELD FOR INCOMING STU STUDENTS NEEDING SPECIAL PERMISSION MUST REQUES LINE FORM: https://www.cics.umass.edu/overrides.
COMPSCI 690N ADV NATURAL LANG PROCESSING Brendan O'Connor	.)	CMPSCI GRADUATE STUDENTS ONLY.	PHD-LING STUDENTS WITH PERMISSION OF INSTRUCTOR. SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA ON- cics.umass.edu/overrides.

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	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT A
COMPSCI 690P SECURE DISTRIBUTED SYSTEMS Brian Levine		CMPSCI AND ECE GRADUATE STUDENTS ONLY.	STUDENTS NEEDING SPECIAL PERMISSION MUST REQUES ON-LINE FORM: https://www.cics.umass.edu/overrides
COMPSCI 692N S- NVL CMPUTATIONAL HRDWR & ML Edward Rietman		CMPSCI GRADUATE STUDENTS ONLY.	A BACKGROUND IN LINEAR ALGEBRA, CALCULUS, AND STA STUDENTS NEEDING SPECIAL PERMISSION MUST REQUES ON-LINE FORM: https://cics.umass.edu/overrides
COMPSCI 692P S-PLASMA Emery Berger, Yuriy Brun, Arjun Guha		CMPSCI GRADUATE STUDENTS ONLY	SECTION 01 = 3 CREDITS, SECTION 02 = 1 CREDIT. CS UND PERMISSION OF INSTRUCTOR. STUDENTS NEEDING SPEC REQUEST OVERRIDES VIA THE ON-LINE FORM: https://www.
COMPSCI 701 ADV TOPICS IN CMPSCI		DOCTORAL, MASTERS CMPSCI GRADUATE STUDENTS ONLY.	REQUEST OVERRIDE VIA THE ON-LINE FORM: https://www.c
COMPSCI 711 PARALLEL ALGRTHM+ARC Andrew McGregor	COMPSCI 611 WITH GRADE OF 'B' OR BETTER.	CMPSCI GRADUATE STUDENTS ONLY.	IT IS RECOMMENDED THAT STUDENTS HAVE AN 'A' IN COM ATTEMPT COMPSCI 711. STUDENTS WITH COMPSCI 590D V CONSIDERED WITH INSTRUCTOR PERMISSION. STUDENTS PERMISSION MAY REQUEST OVERRIDE VIA THE ON-LINE FO umass.edu/overrides.
COMPSCI 891M S-THEORY OF COMPUTATION Ramesh Sitaraman		DOCTORAL, MASTERS GRADUATE STUDENTS ONLY.	MAY BE REPEATED FOR CREDIT UP TO 6 TIMES. OTHERS NELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION OVERRIDES VIA THE ON-LINE FORM: https://www.cics.umass
COMPSCI 899 PHD DISSERTATION			COURSE OPEN ONLY TO CS GRADUATE STUDENTS WHO H PORTFOLIO. REQUEST OVERRIDES VIA THE ON-LINE FORM edu/overrides.
COMPSCI H250 HNRS COLLOQ: INTRO COMPUTATION David Barrington	MATH 132 AND COMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF C OR BETTER.	UNDERGRADUATE CHC STUDENTS ONLY.	STUDENTS MUST BE ENROLLED IN COMPSCI 250. REQUES HONORS COLLOQUIUM AFTER COMPLETING 250 WITH A GF WILL BE CONSIDERED, WITH INSTRUCTOR PERMISSION. S SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE //www.cics.umass.edu/overrides.
COMPSCI H383 HNRS COLLOQ: AI Philip Thomas	COMPSCI 220 (or 230) AND COMPSCI 240, BOTH WITH A GRADE OF C OR BETTER.	JUNIOR AND SENIOR CHC CS MAJORS ONLY.	STUDENTS MUST BE ENROLLED IN COMPSCI 383. REQUES HONORS COLLOQUIUM AFTER COMPLETING 383 WITH A GF WILL BE CONSIDERED, WITH INSTRUCTOR PERMISSION. S SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE //www.cics.umass.edu/overrides.
COMPSCI H403 HNRS COLLOQ :INTRO ROBTCS Joydeep Biswas	MATH 235 (OR MATH 236) AND COMPSCI 220 (OR COMPSCI 230) WITH GRADE OF C OR BETTER.	JUNIOR AND SENIOR CHC CS MAJORS ONLY.	STUDENTS MUST BE ENROLLED IN COMPSCI 403. REQUES HONORS COLLOQUIUM AFTER COMPLETING 403 WITH A GF WILL BE CONSIDERED, WITH INSTRUCTOR PERMISSION. S SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE //www.cics.umass.edu/overrides.

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	PREREQUISITES	ELIGIBILITY RESTRICTIONS	CLASS NOTES/COMMENTS INFORMATION ONLY - DOES NOT AFFE
INFO 203 A NETWORKED WORLD		UNDERGRADUATE NON-CS MAJORS ONLY.	CHANGED FROM INFO 290NW TO INFO 203. NOT INTENDED FOM MINORS. STUDENTS NEEDING SPECIAL PERMISSION MUST R VIA THE ON-LINE FORM: https://www.cics.umass.edu/overrides.
David Wemhoener	)		
INFO 397F ST-INTRO TO DATA SCIENCE Gordon Anderson	COMPSCI 121 AND PSYCH 240 (OR OIM 240, OR STATISTCS 240, OR STATISTCS 515, OR RES-ECON 212, OR SOCIOL 212) BOTH WITH A GRADE OF C OR BETTER.	UNDERGRADUATE NON-CS MAJORS ONLY.	NOT FOR CS MAJOR/MINOR REQUIREMENTS. PREVIOUS EXPE PROGRAMMING LANGUAGE (OTHER THAN COMPSCI 121) MAY OVERRIDE. BASIC MATHEMATICAL MATURITY (COLLEGE ALG SOME EXPOSURE TO BASIC PROBABILITY AND STATISTICS, S COURSES REQUIRED FOR REGISTRATION ON SPIRE. KNOWL DATABASES IS HELPFUL. SOFTWARE: THE R SOFTWARE FOF ANALYSIS (HTTPS://WWW.R-PROJECT.ORG/). STUDENTS NOT PREREQUISITES WHO ARE INTERESTED IN THE INFORMATICS MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: https://w edu/overrides.
INFO 397G ST-CREATIVE GAME DESIGN&DEV Joshua Newman	INFO 101 (OR 190IN) OR INFO 150 (OR 190DM) WITH A GRADE OF C OR BETTER.	UNDERGRADUATE NON-CS MAJORS ONLY.	NOT FOR CS MAJOR/MINOR REQUIREMENTS. STUDENTS NOT PREREQUISITES WHO ARE INTERESTED IN THE INFORMATICS COMBINING ART WITH COMPUTING, MUST REQUEST OVERRII FORM: https://www.cics.umass.edu/overrides.
INFOSEC 690F FRAUD DETECTION		CMPSCI AND ECE GRADUATE STUDENTS ONLY.	BACKGROUND IN COMPUTER SECURITY AND PRECALCULUS WITH INSTRUCTOR PERMISSION. CPE REGISTRATION: www.u
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