

Bioinformatics Courses and Prerequisites

REQUIRED (R) AND ELECTIVE (E) COURSES - FALL						
Course #	CRN #	Type	Course Title	Instructor	Time	Location
BINF 5111	15965	R	Biology Seminar for Bioinformatics (Crosslisted with BIOL 5130 CRN 13935)	Walsh	M, 11:30-12:20 pm	TBA
BINF 5113	15969	R	Mathematics Seminar For Bioinformatics	Leung	R, 11:30-12:20 pm	BELL 143
BINF 5351	15964	R	Intro to Bioinformatics I (Crosslisted with BINF 5351 CRN 15964)	Shpak	M, 1:30-3:20 PM W, 1:30-4:20 PM	PSCI 314 PSCI 314
BINF 5354	15966	R	Post-Genomic Analysis (Crosslisted with STAT 5354 CRN 15640)	Sha Leung	TR, 9:00-10:20 am TR, 10:30-11:20 am	BELL 143 BELL 143
BIOL 5131	15930	E	Ethical, Soc/Political Dimensions	Irwin	W, 12:30-1:20 PM	BUSN 330
BIOL 5301*		E	Selected Topics	Refer to note below		
BIOL 5313	16162	E	Biogeography	son	TR, 12:00-1:20 PM	CRBL 301
BIOL 5346	16164	E	Ecosystem Toxicology		TR, 1:30-2:50 PM	BUSN 326
CHEM 5319	14013	E	Contemporary Topics in Analytical Chemistry	Saupe	TR, 4:30-5:50 PM	PSCI 314
CHEM 5329	14012	E	Contemporary Topics in Organic Chemistry	Michael	M, 1:00-4:00 PM	PSCI 403
CHEM 5339	14395	R	Contemporary Topics in Biochemistry	Narayan	TR, 9:00-10:20 AM	PSCI 115
CHEM 5351	14014	E	Advanced Physical Chemistry	Ellzey	MWF, 10:30-11:20 AM	PSCI 314
CHEM 5369	12052	E	Contemporary Topics in Organic Chemistry	Gardner	M, 6:00-8:50 PM	CRBL 301
CHEM 5396*		E	Graaduate Research in Chemistry	Refer to note below		

Sample schedule for
Fall Semester,
please check online
for latest updates

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CS 5314	16589	E	Artificial Intelligence	Ceberio	TR, 1:30-2:50 PM	CS 308
CS 5317	14974	E	Human Computer Interaction	Ward	MW, 3:00-4:20 PM	CS 321
CS 5322	14442	E	Information Integration (Database Theory)	Pinheiro da Silva	TR, 3:00-4:20	CS 322
CS 5334	16586	E	Parallel & Concurrent Programming	TBA	MW, 4:30-5:50 PM	CS 308
CS 5340	14443	E	Advanced Operating Systems	Freudenthal	TR, 4:30-5:50 PM	CS 322
CS 5341	14995	E	Advanced Computer Architecture	Teller	TR, 3:00-4:20	CS 308
CS 5350	14444	E	Advanced Algorithms	Longpre	MW, 3:00-4:20 PM	CS 322
CS 5351	16592	E	Interval Computations	Kreinovich	MW, 1:30-2:50 PM	CS 308
CS 5354	15138	E	Topics/Intelligent Computing	Fuentes	TR, 3:00-4:20	CS 321
CS 5383	16607	E	Topics in Software Assurance	Roach	TR, 4:30-5:50 PM	CS 321
CS 5390	16588	E	Special Topics: Cryptography	Modave	TR, 6:00-7:20 PM	CS 321
MATH 5310	14919	E	Intro to Functional Analysis	TBA	MW, 4:30-5:50	LART 208
MATH 5314	14918	E	Partial Differential Equations	Solin	MW, 3:00-4:20 PM	LART 122
MATH 5329	15627	E	Numerical Analysis	Sewell	TR, 10:30-11:50 AM	TBA
MATH 5335	13959	E	Techniques in Optimization	Velazquez	TR, 1:30-2:50 PM	LART 203
MATH 5345	15060	E	Numerical Optimization	Argaez	TR, 1:30-2:50 PM	LART 204
STAT 5328	14934	R	Intro to Statistical Analysis	TBA	MWF, 9:30-10:20 AM; W, 10:30 AM-12:20PM	BELL 130
STAT 5385	15636	E	Statistics in Research	Rosen	MWF, 9:30-10:20 AM	EDUC 306

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PREREQUISITE COURSES (P)						
Course #	CRN #	Type	Course Title	Instructor	Time	Location
BIOL 3314*		P	Molecular Cell Biology	Refer to note below		
CHEM 3325		P	Organic Chemistry	Michael	MWF, 9:30-10:20 AM	UGLC 220
CS 2401		P	Data Structures	Ceberio	TR, 12:00-1:20 PM	COMP 308
MATH 2300*		p	Discrete Mathematics	TBA-Contact Math	Refer to note below	
STAT 2480*		p	Statistical Methods I	TBA-Contact Math	Refer to note below	
*This class has multiple sections. Please contact instructor of the section that interests you.						