

Computer Science Department

Registration Newsletter for Spring 2016

Dear Computer Science Major & Minor Students,

It's that time of the year again! Start thinking about registration for next semester.

Advising Window: October 19 – November 2

Note: some faculty members may offer advising appointments before the window begins, so check your email.

Registration Window: November 3 – 13

It is the policy of the CS department that all majors should meet with their academic advisors before registering for classes. ***A registration hold has been automatically placed on your account and will be removed after the advising meeting.*** Please watch for an email from your advisor asking you to make an advising appointment. Check PAWS for information on your advisor and registration date and time.

Spring 2016 Options Courses

CSC 470-01: Human Computer Interaction, M/TH, 12:30 – 1:50 PM, Dr. Salgian

(Prerequisites: CSC 230 with a minimum grade of "C")

This course will introduce students to the fundamental concepts and the latest technologies used in the field of human-computer interaction, including usability, design principles, interaction styles, and the development process. By the end of the course, students will be able to analyze the usability of a computer system, will know how to apply the guidelines and principles of human-computer interaction and will understand the basic concepts behind traditional and non-traditional human computer interaction styles.

CSC 470-02: Machine Learning and Its Applications, T/F, 2:00 – 3:20 PM, Dr. Elangovan

(Prerequisites: CSC 230 or 250, both with a grade of "C" or higher, STA 215 preferred)

Machine learning has evolved from artificial intelligence and is being applied in various domain applications, catalyzing major breakthroughs in recent years including in self-driving vehicles, smartphones, facial recognition, email spam filtering, smart and personalized web search, cloud computing, and gene analysis. The objective of this course is two-fold. The first objective is to provide a broad introduction into the background of machine learning methods and its principles. The second objective is to provide the students with an understanding of the potential of machine learning methods, and hands-on experience in how they can be applied to solve real-world problems. This course includes theoretical aspects of supervised and unsupervised learning methods, discussions of case studies and applications of machine learning in different domains including pattern recognition, data analysis, knowledge extraction, Optical Character Recognition (OCR), and other contemporary applications.

CSC 470-03: Advanced Browser Technologies, T/TH, 5:30 – 6:50 PM, Dr. Russo

(Prerequisites: CSC 230 with a minimum grade of "C")

Web browsers have been transformed from simple hyperlinked document rendering engines to full-featured application development platforms. This hands-on course will review core topics in computer science and investigate how each is represented as part of modern web browser applications. Topic areas include: a survey of programming languages and where JavaScript fits; networking, sockets, request-response protocols and persistent full-duplex connections; multitasking models and the browser's ability to perform multithreading and background task execution; computer graphics, implementations of 2D and 3D models and hardware acceleration; databases and local storage capabilities; and application development toolkits including debugging, network analysis and memory utilization.

Remember: you must complete your four-year planner before meeting with your advisor!

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These Math and Science courses have some seats reserved for CS majors:

BIO 185-A01
CHE 201-B01
CHE 202-G01
MAT 205-03
PHY 120-B01 & B02
PHY 161-A01 & A02
PHY 201-A01
PHY 202-C02
STA 215-01 & 02

Note: you can still sign into these courses after all reserved seats have been taken as long as the course is still open.

Need help choosing your courses for the next few semesters?

Visit the department's [advising webpage](#) for more information on course planning, the suggested four-year sequence, and requirements for internships and mentored research projects.

Computer Science Courses Offered in Spring 2016

220-01	M/W	5:30 – 7:30 PM	Dr. Russo
220-02	T/TH	5:30 – 7:30 PM	Dr. Wang
220-03	T/F T	2:00 – 3:20 PM 3:30 – 4:50 PM	Dr. Tao
230-01	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Li
230-02	M/TH TH	2:00 – 3:20 PM 12:30 – 1:50 PM	Dr. Li
270-01	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Salgian
270-02	T/F T	11:00 AM – 12:20 PM 9:30 – 10:50 AM	Dr. Elangovan
325-01	M/TH TH	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Knox
335-01	T/F	11:00 AM – 12:20 PM	Dr. Papamichail
345-01	M/TH M	2:00 – 3:20 PM 11:00 AM – 12:20 PM	Dr. Knox
415-01	T/F T	11:00 AM – 12:20 PM 9:30 – 10:50 AM	Dr. Pulimood
445-01	T/F	3:30 – 4:50 PM	Dr. Papamichail
470-01	M/TH	12:30 – 1:50 PM	Dr. Salgian
470-02	T/F	2:00 – 3:20 PM	Dr. Elangovan
470-03	T/TH	5:30 – 6:50 PM	Dr. Russo

Couldn't get into the courses you wanted?

Complete the CS Department's Qualtrics Survey in order to get on the wait-list (*after your registration window has closed*):

https://tcnj.qualtrics.com//SE/?SID=SV_9KSbNRPvR3ZJSnP

Don't forget to fill out all of the required information!