

# Computer Science Department

## Registration Newsletter for Spring 2015

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### **Dear Computer Science Major & Minor Students,**

It's that time of the year again! Time to think about registration for the next semester.

**Advising Window:** October 28 – November 4

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

**Registration Window:** November 4 – 14

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.

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### **Spring 2015 Options Courses**

***CSC 380-01: Artificial Intelligence*** (Prerequisites: CSC 230 or CSC 250 with a minimum grade of "C")  
**M/TH, 12:30 – 1:50 PM, Dr. Salgian**

The study of how to make the computer behave intelligently. Topics: state-space methods of problem solving, heuristic search techniques, representation and use of knowledge, applications and design of expert systems, natural language processing, vision and image understanding. Design of specifications for intelligent agents is discussed at length and a high level implementation is developed in First Order Logic, LISP, Prolog, or any of the current AI languages.

***CSC 470-02: Computer Forensics*** (Prerequisites: CSC 230, CSC 325)  
**M/TH, 3:30 – 4:50 PM, Dr. Carter**

This course will explore cybercrimes and cybercrime law, the process behind digital investigations and how to perform a digital investigation, file system forensic analysis and acquiring digital evidence on different platforms, network forensic analysis and evidence acquisition including traffic analysis, and data mining with respect to Computer Forensic data. Students will receive be assigned activities and projects where they will practice the analytical and investigative methods taught. Projects will present students with investigative scenarios where they will need to analyze system(s) to gather forensic evidence as though they were performing an actual investigation.

***CSC 470-09: Cloud Computing*** (Prerequisites: CSC 415)  
**T/F, 2:00 – 3:20 PM, Dr. DePasquale**

This course will explore the cloud computing paradigm that has been exploding in popularity in the last few years. Students will examine the offerings of various cloud vendors and develop software that will run on "the cloud". We will also explore the various cloud service paradigms: SaaS, PaaS, and IaaS. We will be working extensively both the department's cloud offerings and with the Amazon Web Services (AWS) cloud. One or more field trips may be required as part of this class. Some programming work is required in Java, PHP, Ruby, Python, Android, iOS, .NET, or Node.js. You must have experience in one of these platforms to take this class. Advanced UNIX skills are a requirement.

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### Mentored Research Projects for Spring 2015:

<http://computerscience.pages.tcnj.edu/cs-programs-research/mentored-research/>

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

**PHY 120-A / A-01**  
**PHY 161-B / B-01**  
**PHY 201-A / A-01**  
**CHE 201-A / A-01**  
**BIO 185-C / C-01**  
**MAT 205-01**

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

Please contact the CS office or your advisor if you have any questions.

**Forcina Hall 413**  
**Phone:** (609) 771-2268  
**Email:** cs@tcnj.edu  
**Fax:** (609) 637-5190

## Computer Science Courses Offered in Spring 2015

<b>220-01</b>	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Li
<b>220-02</b>	T/F	11:00 AM – 12:20 PM	Dr. Cooper
<b>230-01</b>	T/F T	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. DePasquale
<b>230-02</b>	M/TH TH	12:30 – 1:50 PM 11:00 – 12:20 PM	Dr. Li
<b>270-01</b>	M/TH W	9:30 – 10:50 AM 9:00 – 10:00 AM	Dr. Salgian
<b>270-02</b>	M/TH W	11:00 AM – 12:20 PM 10:00 – 11:00 AM	Dr. Salgian
<b>270-03</b>	T/F	1:30 – 3:20 PM	Dr. Papamichail
<b>325-01</b>	M/TH TH	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Knox
<b>345-01</b>	M/TH TH	2:00 – 3:20 PM 11:00 AM – 12:20 PM	Dr. Knox
<b>415-01</b>	T/F T	11:00 AM – 12:20 PM 9:30 – 10:50 AM	Dr. Pulimood
<b>445-01</b>	T/F	3:30 – 4:50 PM	Dr. Papamichail

### Couldn't get into the courses you wanted?

Complete the CS Department's Qualtrics Survey in order to get on the waiting list:

[https://tcnj.qualtrics.com//SE/?SID=SV\\_55XoX47GWfqtHtX](https://tcnj.qualtrics.com//SE/?SID=SV_55XoX47GWfqtHtX)

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