

Computer Science Department

Registration Newsletter for Spring 2025

Advising Window: October 21 – November 4

Registration Window: November 5 – 15

All Computer Science majors must meet with their advisors before registering for classes. Your advisor will share information and instructions for making advising appointments via email. A registration hold has been placed on your PAWS account and will be removed only after the advising meeting.

It is your responsibility to set up a meeting with your advisor in a timely manner so that your hold is removed and you are able to register when your advising window opens.

Other PAWS Holds

During advising, review your PAWS account for any financial, health, and/or housing requirement holds that you may have. Until these holds are removed, you will not be able to enroll in Spring 2025 classes. **The CS Department cannot remove these holds** and you will need to follow instructions to meet the requirements by clicking the Ø “hold” icon on PAWS and contacting the appropriate office.

Spring 2025 Advanced Core Option

CSC 315-01: Database Systems, T/F, 9:30 – 10:50 AM, Dr. Russo

CSC 315-02: Database Systems, T/F, 11:00 AM – 12:20 PM, Dr. Russo

(Prerequisites: CSC 230, CSC 270, and MAT 127, each with a grade of C or higher.)

This course introduces students to the fundamental concepts necessary for designing, using, and implementing database systems. It stresses the fundamentals of database modeling and design, the language and facilities provided by database management systems, and system implementation techniques. A database management system like Oracle or PostgreSQL is utilized to underscore concepts learned in class.

Spring 2025 Options Courses

CSC 427-01: Natural Language Processing, T/F, 3:30 – 4:50 PM, Dr. Bloodgood

(Prerequisites: CSC 230, CSC 270, and MAT 127, each with a grade of C or higher.)

This course provides an introduction to natural language processing (NLP). Natural language processing is computational processing of natural languages (e.g., English), distinguished from computer programming languages formally constructed for processing by computer (e.g., Java). The course will cover mathematical and computational foundations of natural language processing. Foundational methods for language modeling will be covered, as well as applications.

CSC 470-01: Special Topics, 3D Game Development, M/TH, 12:30 – 1:50 PM, Dr. Ferdous

(Prerequisites: CSC 230, CSC 270 and MAT 127, each with a grade of C or higher.)

This course covers all aspects of 3D game development using popular game development platform Unity. The topics include modeling, C# scripting, light, camera, collisions/ physics, audio, character animation, GUI, shadows, level generation, and deployment in Windows, Linux, and Android.

CSC 470-02: Special Topics, Secure Coding, M/TH, 3:30 – 4:50 PM, Professor DeGood

(Prerequisites: CSC 230, CSC 270 and MAT 127, each with a grade of C or higher.)

A comprehensive introduction to secure software design and implementation. The student will learn to approach software security from a design perspective and to write, test, and debug programs using secure programming techniques. Students will analyze case studies, learn to identify and mitigate threats, implement security measures during both design and implementation, and adopt a mindset of proactive defense.

Students will practice modern secure coding and testing processes including zero trust, security design reviews, safer languages, static analysis, and dynamic analysis.

Computer Science Department Advising Notes

Advising Resources

Visit the [CS Department's advising webpage](#) for helpful links and forms.

Research Forms

Completed mentored research forms must be submitted via the School of Science [Qualtrics form](#) by the end of the registration window, 4:30 PM on November 15, 2024.

Reminder: all CS juniors *must* take CSC 299 in Spring 2025.

Sophomores who need to take or repeat CSC 199 should take the Spring 2025 section.

CS Department Wait-list:

https://tcnj.co1.qualtrics.com/jfe/form/SV_bqt7FGYxmbMjy7A



Questions?

Please contact the CS Office (cs@tcnj.edu), Dr. Salgian (salgian@tcnj.edu), or your CS academic advisor (check PAWS for this information).

Spring 2025 Computer Science Core Courses

199-01	T	11:00 AM – 12:20 PM	Dr. Das
220-01	T/F F	3:30 – 4:50 PM 2:00 – 3:20 PM	Dr. Russo
220-02	T/F F	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Turka
220-03	M/W	5:30 – 7:30 PM	Prof. Niroomand
230-01	M/TH M	12:30 – 1:50 PM 2:00 – 3:20 PM	Dr. Li
230-02	M/TH TH	3:30 – 4:50 PM 2:00 – 3:20 PM	Dr. Li
230-03	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Datta
230-04	M/TH TH	2:00 – 3:20 PM 3:30 – 4:50 PM	Dr. Datta
270-01	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Salgian
270-02	M/TH TH	12:30 – 1:50 PM 11:00 AM – 12:20 PM	Dr. Salgian
270-03	T/F T	2:00 – 3:20 PM 11:00 AM – 12:20 PM	Dr. Turka
270-04	T/F T	3:30 – 4:50 PM 5:30 – 6:50 PM	Dr. Turka
299-01	M	11:00 AM – 12:20 PM	Dr. Ferdous
299-02	T	9:30 – 10:50 AM	Dr. Papamichail
299-03	TH	3:30 – 4:50 PM	Dr. Yoon
325-01	M/TH TH	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Prof. DeGood
335-01	T/F	3:30 – 4:50 PM	Dr. Papamichail
345-01	M/TH TH	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Yoon
345-02	M/TH M	2:00 – 3:20 PM 12:30 – 1:50 PM	Dr. Yoon
415-01	M/TH TH	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Ferdous
415-02	T/F F	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Das
445-01	T/F	2:00 – 3:20 PM	Dr. Papamichail