Computer Science Department
Registration Newsletter for Fall 2025

Advising Window: March 10 – March 31
Registration Window: April 1 – 11

All Computer Science majors <u>must</u> meet with their advisors before registering for classes. Your advisor will share information and instructions for making advising appointments via email.

Please note that 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 Fall 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.

Fall 2025 Advanced Core Option

CSC 360-01: Computer Networking, M/TH, 2:00 – 3:20 PM, Dr. Li
CSC 360-02: Computer Networking, M/TH, 3:30 – 4:50 PM, Dr. Li
(Prerequisites: CSC 230, CSC 270, and MAT 127, each with a grade of C or higher.)
This course introduces basic elements of modern computer and telecommunication networks. A hybrid five-layer reference model resembling the popular TCP/IP model is discussed. In each layer, the state-of-the-art hardware and software technologies are introduced. These include: fiber-optic and mobile/cellular communications; HTTP/WEB; wavelength/time division multiple access protocols; TCP/UDP and ATM adaptation layer protocols; network security.

Fall 2025 Options Courses

CSC 350-01: Computer Graphics, M/TH, 12:30 – 1:50 PM, Dr. Salgian
(Prerequisites: CSC 230, CSC 270, and MAT 127, each with a grade of C or higher, and MAT 205.)
An introduction to the fundamentals underlying the design of computer graphics software. Takes an algorithmic approach to the study of graphic operations required to create a complex scene. The modeling and transformation process is stressed Topics include 2D and 3D graphic elements and transformations, viewing and clipping, hierarchical modeling, 3D concepts and objects, solid geometry, 3D transformations and the viewing pipeline, visible surface detection, and lighting models.

CSC 470-01: Special Topics, Introduction to Data Science, M/TH, 9:30 – 10:50 AM, Dr. Russo
(Prerequisites: CSC 230, CSC 270 and MAT 127, each with a grade of C or higher, and STA 215.)
This course introduces students to the field of Data Science with an emphasis on analysis and application. Students will learn to work with a professional Data Science toolkit, develop a wide range of skills, and have ample opportunities to practice on a variety of data sets. Topics to be covered <u>include</u> Data Wrangling, Exploratory Data Analysis, Data Mining and Inference, Model Analysis and Uncertainty Quantification, Data Visualization, and fundamentals of Machine Learning, including Dimensionality Reduction, Modeling, Classification and Clustering. ***This course counts as an option for the Data Science Specialization.***

CSC 470-02: Special Topics, Algorithms In Practice, T/F, 9:30 – 10:50 AM, Dr. Papamichail
(Prerequisites: CSC 230, CSC 270 and MAT 127, each with a grade of C or higher.)
This course explores algorithms from a coding-focused perspective and is designed to enhance student understanding of algorithmic techniques and their application in efficiently solving computational problems. The course is expected to cover a wide range of topics including data structures, strings, sorting, combinatorics, backtracking, graph algorithms, dynamic programming, grids, and computational geometry. Through hands-on coding exercises and case studies, students will gain skills toward designing, implementing, troubleshooting, and optimizing algorithmic solutions for various computational challenges. ***This course will prepare students for coding interviews and programming competitions.***

Computer Science Department
Advising Notes

Advising Resources
Visit the **CS Department's advising webpage** for more information on course planning, including suggested sequence documents, advising forms, and requirements for internships and mentored research projects.

Reminder: all rising CS sophomores _must_ take CSC 199 in Fall 2025.

If you need to retake CSC 099, please contact Ms. Zsilavetz at cs@tcnj.edu.

Research Forms
Completed mentored research forms must be submitted via the School of Science **Qualtrics form** by the end of the registration period on Friday, April 11, 2025.

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

Fall 2025 Computer Science Core Courses

Section	Days	Time	Instructor
199-01	M	5:30 – 6:50 PM	Dr. Li
199-02	TH	5:30 – 6:50 PM	Dr. Li
199-03	W	5:30 – 6:50 PM	Dr. Das
220-04	T/F T	2:00 – 3:20 PM 11:00 AM – 12:20 PM	Dr. Turka
220-05	M/W	5:30 – 7:30 PM	TBA
230-01	M/TH TH	11:00 AM – 12:20 PM 2:00 – 3:20 PM	Dr. Russo
230-02	M/TH M	3:30 – 4:50 PM 2:00 – 3:20 PM	Dr. Russo
230-03	M/W	5:30 – 7:30 PM	Dr. Russo
270-01	T/F F	11:00 AM – 12:20 PM 2:00 – 3:20 PM	Dr. Bloodgood
270-02	T/F T	3:30 – 4:50 PM 2:00 – 3:20 PM	Dr. Bloodgood
325-01	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Prof. DeGood
325-02	M/TH TH	12:30 – 1:50 PM 11:00 AM – 12:20 PM	Prof. DeGood
335-01	T/F	2:00 – 3:20 PM	Dr. Papamichail
335-02	T/F	3:30 – 4:50 PM	Dr. Papamichail
345-01	T/F F	9:30 – 10:50 AM 11:00 AM – 12:20 PM	Dr. Yoon
415-01	M/TH M	9:30 – 10:50 AM 11:00 AM – 12:20 PM	TBA
415-02	M/TH TH	12:30 – 1:50 PM 11:00 AM – 12:20 PM	TBA
435-01	M/TH	3:30 – 4:50 PM	Prof. DeGood

Couldn't get into courses you wanted?
You can find all *new* procedures for putting yourself on course waitlists on PAWS, including CS courses, on Records & Registration's webpage: **https://recreg.tcnj.edu/course-waitlists/**

Please watch for additional email communication from the CS Department and the School of Science Dean's Office as registration progresses.