

Computer Science Department

Registration Newsletter for Fall 2021

Registration is around the corner! Start thinking about your courses for next semester.

Advising Window: March 22 - April 5

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

Registration Window: April 6 - 16

Computer Science majors must meet with their academic advisors before registering for classes.

A registration hold has been placed on your PAWS account and will be removed after the advising meeting.

You will not be able to register for Fall 2021 courses until you've met with your academic advisor, who will remove your hold after the advising meeting.

Please watch for an email from your academic advisor with instructions for making advising appointments. Check PAWS to find your academic advisor, registration date, and appointment time.

**** Visit the CS Department's webpage for a list of advising resources ****

Fall 2021 Options Courses

CSC 350-01: Computer Graphics, M/TH, 2:00 PM - 3:20 PM, Dr. Salgian

(Prerequisites: CSC 230, CSC 270 and MAT 127 each with grades of C or higher and MAT 205 are prerequisites.

Non-major Mathematics majors may use MAT 200 and CSC 271 each with grade of C or higher in lieu of CSC 270.)

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 2-D graphic elements and transformations; viewing and clipping; hierarchical modeling; 3-D concepts and objects; solid geometry; 3-D transformations and the viewing pipeline; visible surface detection; and lighting models.

CSC 360-01: Computer Networking, T/F, 2:00 PM - 3:20 PM, Dr. Li

CSC 360-02: Computer Networking, T/F, 3:30 PM - 4:50 PM, Dr. Li

(Prerequisites: CSC 230, CSC 270 and MAT 127 each with a grade of C or higher are prerequisites. Non-majors may use CSC 250 in lieu of CSC 230. Mathematics majors may use MAT 200 and CSC 271 each with a grade of C or higher in lieu of CSC 270.)

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.

CSC 380-01: Artificial Intelligence, M/TH, 12:30PM - 1:50PM, Dr. Yoon

(Prerequisites: CSC 230, CSC 270 and MAT 127 each with a grade of C or higher are prerequisites. Non-majors may use CSC 250 in lieu of CSC 230. Mathematics majors may use MAT 200 and CSC 271 each with a grade of C or higher in lieu of CSC 270.)

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.

Couldn't get into the CS courses you wanted?

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

<http://bit.ly/2OogNzF>

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Fall 2021 Computer Science Courses

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|---------------|------------|--|-----------------|
| 199-01 | W | 10:00–10:50 AM | Dr. Ferdous |
| 199-02 | W | 10:00–10:50 AM | Dr. Das |
| 199-03 | W | 10:00–10:50 AM | Dr. Papamichail |
| 220-03 | T/F F | 9:30 – 10:50 AM 11:00 AM – 12:20 PM | Prof. DeGood |
| 220-04 | T/F T | 2:00 – 3:20 PM 11:00 AM – 12:20 PM | Prof. DeGood |
| 230-01 | T/F F | 11:00 AM – 12:20 PM 2:00–3:20 PM | Dr. Ferdous |
| 230-02 | M/TH TH | 12:30 – 1:50 PM 2:00 – 3:20 PM | Dr. Das |
| 270-01 | T/F T | 3:30 – 4:50 PM 2:00–3:20 PM | Dr. Bloodgood |
| 325-01 | M/TH TH | 9:30 – 10:50 AM 11:00 AM – 12:20 PM | Dr. Knox |
| 325-02 | M/TH TH | 2:00–3:20 PM 3:30 – 4:50 PM | Dr. Knox |
| 335-01 | T/F | 9:30 – 10:50 AM | Dr. Papamichail |
| 335-02 | T/F | 2:00–3:20 PM | Dr. Papamichail |
| 345-01 | M/TH TH | 2:00–3:20 PM 3:30 – 4:50 PM | Dr. Yoon |
| 350-01 | M/TH | 2:00–3:20 PM | Dr. Salgian |
| 360-01 | T/F | 2:00–3:20 PM | Dr. Li |
| 360-02 | T/F | 3:30 – 4:50 PM | Dr. Li |
| 380-01 | M/TH | 12:30 – 1:50 PM | Dr. Yoon |
| 415-01 | M/TH M | 9:30 – 10:50 AM 11:00 AM – 12:20 PM | Dr. Pulimood |
| 415-02 | M/TH TH | 12:30 – 1:50 PM 11:00 AM – 12:20 PM | Dr. Pulimood |
| 435-01 | T/F | 3:30 – 4:50 PM | Prof. DeGood |

Need help choosing your courses for the next few semesters?

Visit the department's advising webpage for more information on course planning, the suggested sequence, and requirements for internships and mentored research projects.

Reminder: all rising CS sophomores must take CSC 199 in Fall 2021.

Advising Notes:

Fully completed and signed mentored research forms for CSC 298, 498, and 499 must be submitted to cs@tcnj.edu by the end of the registration window, 4:30 P.M. on April 16 , 2021.

Registration Questions?

Please contact the CS office (cs@tcnj.edu), Dr. Salgian (salgian@tcnj.edu), or your CS advisor for more information on Fall 2021 courses. More information is also available on computerscience.tcnj.edu