Welcome to Stevens Computer Science

Iraklis Tsekourakis

Associate Chair for Graduate Studies in Computer Science

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Associate Chair for MS in CS

- Iraklis Tsekourakis
- More info on MS in CS can be found also online at itsekour.github.io

CS Offers 4 Masters Degrees

https://www.stevens.edu/schaefer-school-engineering-science/departments/computer-science/graduate-programs

1. Computer Science
2. Cybersecurity
3. Machine Learning
4. Media and Broadcast Engineering

MS-CS Degree

- 30 credits, 3.0 GPA

- Courses must be numbered 500 or higher

- 7 courses must have CS number; up to 3 courses may be any grad course

- At least 3 courses must be in CS core set 510, 511, 513…694 (see online under "curriculum overview", 20 courses)
  - <u>Degree Requirements</u>

- Your admission letter may state conditions
  - Courses taken to fulfill conditions count toward degree

Core Courses

- CS 510 Principles of Programming Languages
- CS 511 Concurrent Programming
- CS 513 Data Mining and Knowledge Management
- CS 520 Introduction to Operating Systems
- CS 521 TCP/IP Networking
- CS 522 Mobile Systems and Applications
- CS 524 Introduction to Cloud Computing
- CS 526 Enterprise and Cloud Computing
- CS 537 Interactive Computer Graphics
- CS 541 Artificial Intelligence
- CS 545 Human Computer Interaction
- CS 546 Web Programming
- CS 548 Enterprise Software Architecture and Design
- CS 549 Distributed and Cloud Computing
- CS 561 Database Management Systems I
- CS 573 Fundamentals of Cybersecurity
- CS 578 Privacy in a Networked World
- CS 600 Advanced Algorithm Design and Implementation
- CS 677 Parallel Programming for Many-core Processors
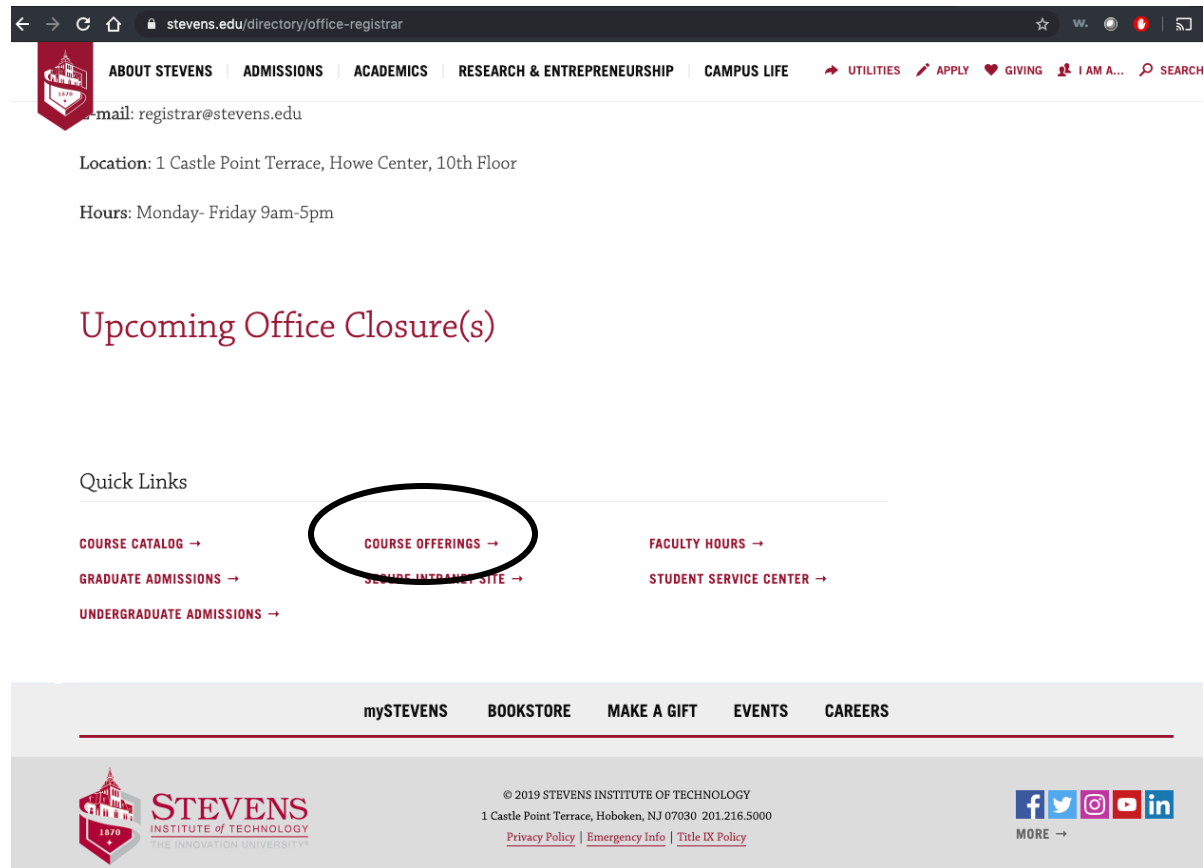- CS 694 Advanced Computational Modeling in Biology and Biomaterials

Course Information - Important

- See [academic catalog](#)

  - ☐ Course descriptions, and prerequisites

- Go the [wiki page](#) for the graduate studies of the department:

  - ☐ Course syllabi and outcomes

  - ☐ FAQ

- These pages have ALL courses, regardless of whether they are offered in the current semester

Course Information - Important

- See course offerings for the current semester at the registrar's website

Courses

- Courses offered in-class and via WebCampus
  - Equivalent
  - US government restricts international students to take at least 6 credits on campus per semester
- First digit indicates level: e.g., 600-level more advanced than 500-level
- Important exception: "special topics" courses always numbered CS 810
  - Consider taking these one-time courses

Grades

- Graduation requires minimum average of 3.0 on 4-point scale (i.e., B average)
- Cause for probation:
  - GPA falls below 3.0, or
  - Receive an F in any course
  - Fail to fulfill an admission requirement (e.g., take CS 570 and get a B+)

Registration procedure today

- **Choose courses now to enroll**
- **Start preparing the study plan form**
  - Submit to Ms. Jannine Cucchiara by the end of February
- Conditions in your admission letter?
- To waive pre-requisites: attend first class,

get permission of instructor; submit "change of enrollment" (add/drop) form:

https://www.stevens.edu/directory/office-registrar/forms

Office of the Registrar
Phone: 201.216.3756
Fax: 201.216.8030
registrar@stevens.edu
www.stevens.edu/registrar

Master's   Study Plan   Application for Candidacy
(Check one)

Last Name: _____   Student Identification No.: _____

First Name: _____   Anticipated Graduation: 20 ___   Spring   Summer   Fall

Major: _____   International Students: Applying for O.P.T.?   Yes   No

Concentration: _____

Degree: MA   ME   MS   MPh   MTM   MBA   EMBA

Major **(Please list in the order as they appear on your transcript)**

Year	Term	Institution (if not Stevens)	Course Number	Course Name	Grade (if Rec'd)	Credits

Electives

Year	Term	Institution	Course Number	Course Name	Grade (if Rec'd)	Credits

No Credit

Year	Term	Institution	Course Number	Course Name	Grade (if Rec'd)	Credits

_____   _____
STUDENT SIGNATURE   DATE

_____   _____   _____
ADVISOR SIGNATURE   DATE   ADVISOR NAME (PRINT)

_____   _____   _____   _____
DEAN OF GRADUATE ACADEMICS   DATE   REGISTRAR   DATE

GRADUATE ENROLLMENT FORM

If at all possible, please enroll on line. Instructions can be found at:
http://www.stevens.edu/sit/registrar/policies-procedures/

STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION
☐ CHECK HERE IF YOUR ADDRESS HAS CHANGED

STUDENT IDENTIFICATION NUMBER

LAST NAME	FIRST		MIDDLE	DATE OF BIRTH (MM/DD/YYYY)	☐ MALE ☐ FEMALE
HOME ADDRESS	STREET		APT.	EMAIL ADDRESS	
CITY		STATE ZIP CODE		PHONE	☐ HOME ☐ MOBILE

SEMESTER: ☐ FALL ☐ WINTER ☐ SPRING ☐ SUMMER I ☐ SUMMER II ☐ YEAR TERM 20____

SPECIAL NOTES ABOUT ENROLLMENT

- It is the student's responsibility to drop/withdraw from an enrolled course. Non-attendance, for example, will not drop you from a course and you will still be financially responsible for the course.
- If tuition is being paid by a third party (sponsor, employer, etc.), and they do not pay, responsibility to pay falls to the student.
- Enrollment into more than 12 credits requires the approval of the advisor and the Dean of Graduate Academics.
- Initial Study Plans are due by the mid-point of the term. Failure to submit a Study Plan will result in not being allowed to enroll in subsequent terms.
- The Application for Candidacy (A/C) is an absolute requirement for graduation.
  If you are completing in the fall, your A/C must be submitted by October 1 in the term you that are completing the degree.
  If you are completing in the spring, your A/C must be submitted by February 15 in the term you that are completing the degree.

COURSE NUMBER EX: MGT 609	SECTION EX: A	COURSE SECTION TITLE EX: Project Management Fundamentals	INSTRUCTOR SIGNATURE (IF NEEDED)	REASON FOR APPROVAL (E.G., WAIVE PREREQ AND/OR CAP) (INSTRUCTOR USE ONLY)	CREDITS EX: 3
				TOTAL	0.0

ONLY COMPLETE THIS SECTION IF YOU HAVE NOT PROVIDED THIS INFORMATION BEFORE.
If you have not provided your Social Security Number to Stevens before, it is not required, but strongly recommended that you do so. Please enter it in the Student Identification Number box at the top of the form.

In conjunction with the Civil Rights Act of 1964 of the United States Department of Health, Education and Welfare, we are required to collect basic racial-ethnic information of the student body at Stevens. This information is needed for many state and federal reports and it is held as confidential material and will not be released without your consent. Only statistical data is released to government or any agencies. It is not mandatory for you to complete this section; however, we would appreciate your cooperation in assembling this necessary data. Some Government funding, which Stevens receives, is based upon this data.

ETHNICITY:
☐ HISPANIC OR LATINO
☐ NOT HISPANIC OR LATINO

RACE (CHOOSE ONE OR MORE):
☐ AMERICAN INDIAN OR ALASKA NATIVE
☐ ASIAN
☐ BLACK OR AFRICAN-AMERICAN
☐ HAWAIIAN OR OTHER PACIFIC ISLANDER
☐ WHITE

STUDENT SIGNATURE (REQUIRED)	DATE
ADVISOR APPROVAL (IF REQUIRED)	DATE
OFFICE OF GRADUATE ACADEMICS APPROVAL (IF REQUIRED)	DATE

Change of Enrollment

LAST NAME		STUDENT IDENTIFICATION NUMBER
FIRST NAME		MIDDLE NAME

MAILING ADDRESS OR SIT BOX	STREET	☐ UNDERGRADUATE CLASS OF 20 ____
CITY	STATE ZIP CODE	☐ GRADUATE

STUDENT SIGNATURE	DATE

- The signature of the instructor and reason is required for prerequisite waivers, waiving cap, etc.
- The signature of the instructor is required for adds after the end of the drop/add period.
- Drops after the end of the drop/add period will be recorded as withdrawals (**W**) on the transcript.
- **For Graduate Withdrawals:** The signatures of the instructor, advisor and the Dean of Graduate Academics are required after the specified date in the academic calendar.
- **For Undergraduate Withdrawals:** The signatures of the instructor and approval of the Office of Undergraduate Academics are required after the specified date in the academic calendar.

TERM: ☐ FALL ☐ WINTER ☐ SPRING ☐ SUMMER I ☐ SUMMER II ☐ YEAR TERM **YEAR:** 20 ____

ADD

SUBJECT (e.g. MA)	NUMBER (e.g., 123)	SEC. (e.g., A)	CRED.	INSTRUCTOR'S SIGNATURE	DATE	REASON FOR OVERRIDE (INSTRUCTOR USE ONLY)

DROP/WITHDRAW *

SUBJECT	NUMBER	SEC.	CRED.	INSTRUCTOR'S SIGNATURE	DATE	NOTES (INSTRUCTOR USE ONLY)

APPROVAL SIGNATURES

(Graduate students only) ADVISOR (Drops after the specified date)	DATE

OFFICE OF UNDERGRADUATE ACADEMICS/DEAN OF GRADUATE ACADEMICS (Drops after the specified date)	DATE

REGISTRAR	DATE

ADVISOR/DEAN SPECIAL INSTRUCTIONS:

Last day to add/drop: Monday, Feb, 3rd.

Stevens Academic Calendar

General Advice

- If there are conditions on your admission, advisors will not waive them

- Pre-requisites may be waived by course instructors

  - The same pre-requisite (e.g. CS 590) may mean different things for different courses

- If you plan to take more than 3 technical courses, don't do it in the first semester

MS Advisors

- Computer Science: Professors Dunn, Xu, Ning, Wang, and Tsekourakis

- Cybersecurity: Prof. Nicolosi

- Enterprise and Cloud Computing: Prof. Duggan

- Media and Broadcast Engineering: Prof. Tsekourakis

- Machine Learning: Prof. Tsekourakis

Find your advisor

Go to my.stevens.edu and click on Student/Faculty Web Self Services

Find your advisor II

To Get Help

- Academics:
    - See FAQ on CS intranet first, or my personal page FAQ
        - https://itsekour.github.io/faq.html
        - https://www.srcit.stevens.edu/wiki/index.php/Graduate
    - Ask Ms Jannine Cucchiara (GS 453)
    - Ask your advisor
- Paperwork: Advising Center
    - Gateway South, room 453
    - Ms Jannine Cucchiara
- Visa issues: ISSS
- Financial Issues: Student Service Center

Email

- You MUST maintain your "myStevens account" (i.e., ID@stevens.edu)

  - Important email announcements sent there

  - You should set up email forwarding to elsewhere

  - "Maintain" means: either read email at www.stevens.edu/mymail or forward email to your preferred address

  - Account is created automatically for you

Job Opportunities On Campus

- Within CS department:
  - Research assistant (RA) -- $2400/mo stipend, plus tuition remission
  - Teaching assistant (TA) – same
  - Course Assistant (CA) - $15/hour
  - Grader – $10/hour
- We do not hire first-semester students
- CURRENTLY, NO POSITIONS AVAILABLE
- Openings in future semesters will be announced by email

Curricular Practical Training (CPT)

- CPT allows student to work off campus (for pay, experience, to make contacts) while maintaining full-time student status

- International student must have spent at least one academic year as full time student before CPT is permitted (a US government rule)

- CS department offers CPT credit:
  1. 1-credit CPT course, CS 703 (full or part time)

CS 703

- 1-2 credit course (3 credits max)
- You must find your own job (full or part time)
- Job must be technical & related to your education
- Job must be pre-approved by Prof. Tsekourakis before you can register
- At end of semester, must write a report of activities and give oral presentation on campus

CPT Coordinator

- For further info: contact Prof. Tsekourakis
  <u>itsekour@stevens.edu</u>