



Welcome to Stevens Computer Science

Iraklis Tsekourakis

Associate Chair for Graduate Studies in
Computer Science

August 20, 2019



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)
 - [Degree Requirements](#)
- 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

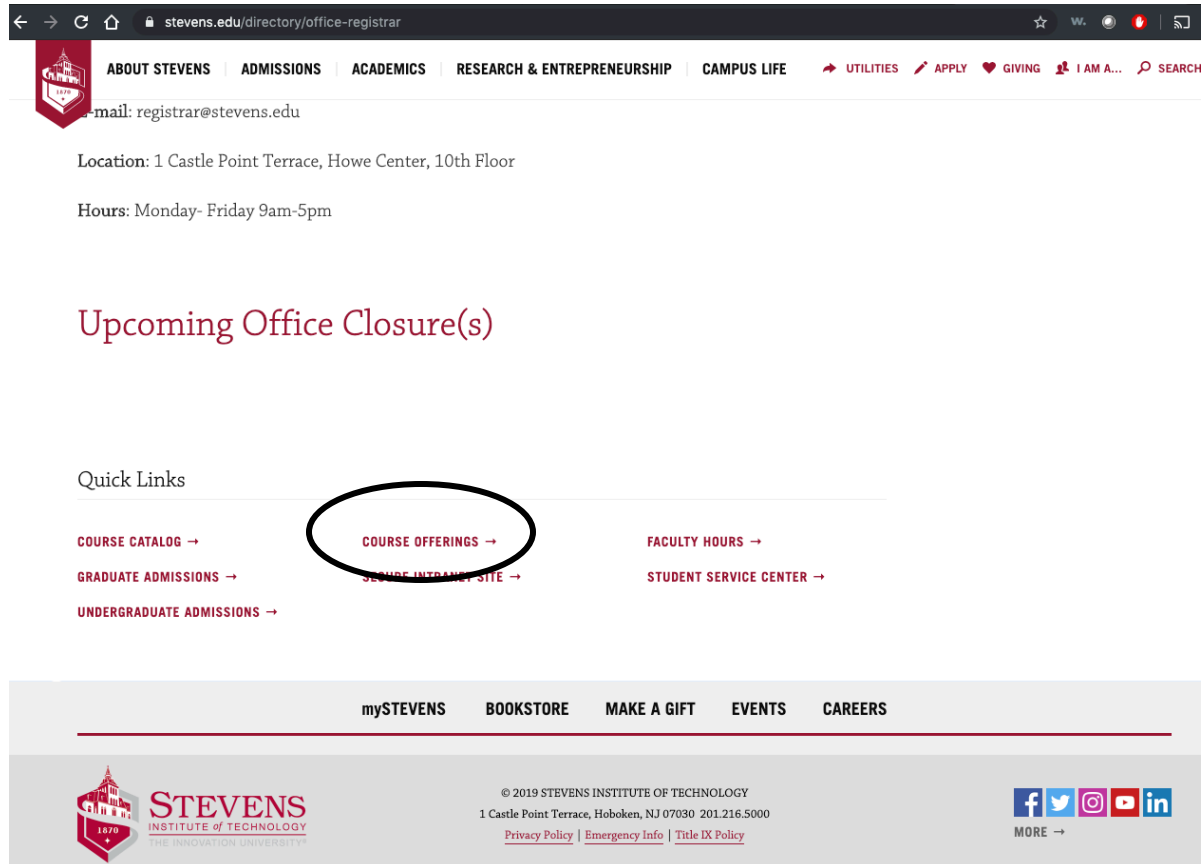


Course Information - Important

- 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](#)



The screenshot shows the Stevens Institute of Technology registrar's website. The browser address bar displays `stevens.edu/directory/office-registrar`. The navigation menu includes links for ABOUT STEVENS, ADMISSIONS, ACADEMICS, RESEARCH & ENTREPRENEURSHIP, CAMPUS LIFE, UTILITIES, APPLY, GIVING, and I AM A... A search icon is also present. Below the navigation menu, the email address `registrar@stevens.edu` is listed, along with the location (1 Castle Point Terrace, Howe Center, 10th Floor) and hours (Monday- Friday 9am-5pm). A section titled "Upcoming Office Closure(s)" is visible. Below this, a "Quick Links" section contains several links: COURSE CATALOG →, COURSE OFFERINGS → (circled in black), FACULTY HOURS →, GRADUATE ADMISSIONS →, SECURE INTRANET SITE →, and STUDENT SERVICE CENTER →. At the bottom, a footer section includes the mySTEVENS logo, a BOOKSTORE link, MAKE A GIFT, EVENTS, CAREERS, and social media icons for Facebook, Twitter, Instagram, YouTube, and LinkedIn. The footer also contains copyright information for 2019 Stevens Institute of Technology and links to Privacy Policy, Emergency Info, and Title IX Policy.

stevens.edu/directory/office-registrar

ABOUT STEVENS | ADMISSIONS | ACADEMICS | RESEARCH & ENTREPRENEURSHIP | CAMPUS LIFE | UTILITIES | APPLY | GIVING | I AM A... | SEARCH

mail: registrar@stevens.edu

Location: 1 Castle Point Terrace, Howe Center, 10th Floor

Hours: Monday- Friday 9am-5pm

Upcoming Office Closure(s)

Quick Links

COURSE CATALOG →

COURSE OFFERINGS →

FACULTY HOURS →

GRADUATE ADMISSIONS →

SECURE INTRANET SITE →

STUDENT SERVICE CENTER →

UNDERGRADUATE ADMISSIONS →

mySTEVENS | BOOKSTORE | MAKE A GIFT | EVENTS | CAREERS

STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

© 2019 STEVENS INSTITUTE OF TECHNOLOGY
1 Castle Point Terrace, Hoboken, NJ 07030 201.216.5000
[Privacy Policy](#) | [Emergency Info](#) | [Title IX Policy](#)

Facebook Twitter Instagram YouTube LinkedIn
MORE →



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
- 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>



STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

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 _____

DEAN OF GRADUATE ACADEMICS _____ DATE _____

ADVISOR NAME (PRINT) _____

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/>

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)	<input type="checkbox"/> MALE <input type="checkbox"/> FEMALE
HOME ADDRESS	STREET	APT.	EMAIL ADDRESS	
CITY	STATE	ZIP CODE	PHONE	<input type="checkbox"/> HOME <input type="checkbox"/> 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



Office of the Registrar
Stevens Institute of Technology
Castle Point on Hudson
Hoboken, NJ 07030-5991
FAX 201.216.8050
registrar@stevens.edu
http://www.stevens.edu/registrar

Change of Enrollment

LAST NAME		STUDENT IDENTIFICATION NUMBER	
FIRST NAME		MIDDLE NAME	
MAILING ADDRESS OR SIT BOX	STREET		<input type="checkbox"/> UNDERGRADUATE CLASS OF 20 ____ <input type="checkbox"/> GRADUATE
CITY	STATE	ZIP CODE	
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, Sep,
9th.



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

The screenshot shows the myStevens website interface. At the top is a red header with the 'myStevens' logo. Below the header is a navigation bar with links: Stevens.edu, People Finder, Search, and Campus Directory. A search bar and the user name 'Iraklis Tsekourakis' are on the right. The main content area is divided into two columns. The left column, titled 'BOOKMARKS', contains a grid of icons for various services: myMail, IT Service Desk, eBilling, Facilities Work Order, Alerts, Google Drive, Workday, Message Center, Staying Safe Online, Housing & Dining, People Finder, Password Service, Canvas, Student/Faculty Web Self Services (circled in red), Campus Card Office (DuckBills), Report a Concern, Google Calendar, and Concur. The right column features a large banner with the text 'Have you heard... Searching on myStevens just got easier!' and a magnifying glass icon. Below the banner is a link 'Click here to read more about it'. Underneath the banner are two sections: 'UPCOMING EVENTS' and 'TWEETS'. The 'UPCOMING EVENTS' section lists three events for August 22nd: 'Graduate Students, December 2017 and May 2018 Graduates: Early Bird Orientation to On-Campus Recruiting and Handshake' at 10:30am, another identical event at 1:00pm, and 'Class of 2018 Undergraduate Early Bird Career Center Orientation'. The 'TWEETS' section shows a tweet from @StevensStudents about dorm advice and a retweet from @kurtiswatkins about the first day of college. A vertical 'Feedback' button is on the far right.

myStevens

Stevens.edu People Finder Search Campus Directory

Iraklis Tsekourakis

BOOKMARKS

- myMail
- IT Service Desk
- eBilling
- Facilities Work Order
- Alerts
- Google Drive
- Workday
- Message Center
- Staying Safe Online
- Housing & Dining
- People Finder
- Password Service
- Canvas
- Student/Faculty Web Self Services**
- Campus Card Office (DuckBills)
- Report a Concern
- Google Calendar
- Concur

Have you heard...

Searching on myStevens just got easier!

Click here to read more about it

UPCOMING EVENTS

- Aug 22** Graduate Students, December 2017 and May 2018 Graduates: Early Bird Orientation to On-Campus Recruiting and Handshake 10:30am
- Aug 22** Graduate Students, December 2017 and May 2018 Graduates: Early Bird Orientation to On-Campus Recruiting and Handshake 1:00pm
- Aug** Class of 2018 Undergraduate Early Bird Career Center Orientation

TWEETS

- StevensStudents** @StevensStudents Not sure what to bring for your dorm? Check out our OLs' advice! stevensorientation.com/2017/08/14/thi... Aug 14, 2017
- StevensStudents Retweeted
- Kurtis Watkins** @kurtiswatkins Our first day to Excellence, Collaboration, Technology, & Student Centricity @FollowStevens @StevensStudents

Feedback

Find your advisor II



Term	Personal Info	Student Records	Registration	Financial Aid	Courses
------	---------------	-----------------	--------------	---------------	---------

Student Services

Use the navigation bar on site

2017 Fall

Personal Info

Addresses, Personal Phone Numbers, E-mail Addresses Page, Change PIN, Marital Status.

Student Records

Grades, Account Summary and Payment, Holds, Unofficial Transcript, 1098-T, Advisor, Graduation Checkout, Parking Request, Disk Storage, MAC Addresses and Undergraduate SECE Status.

Registration

Add and Drop Classes, Conditional Drop and Add, Change Class Options, Student Schedule, Detailed Schedule, and Registration Status.

Financial Aid

Financial Aid Summary, Award Information by Year, Award History, Student Requirements, Cost of Attendance, Academic Progress, and E-mail to Financial Aid Office.

Courses

Course Sections, Course Section Search.

Grades
Account Summary and
Electronic Payment
Holds
Unofficial Transcript
Institutional Coursework
Transfer Credit
IRS Form 1098-T Information
Advisor
Graduation Checkout
Parking Permit Request
Graduate Student Campus
Domain Account Request
Sece Status

[SITE MAP](#) [HELP](#) [HOME](#) [EXIT](#)

Any problems or comments send an e-mail to ssc@stevens.edu

RELEASE: 1.20

powered by
SUNGARD HIGHER EDUCATION

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 (NB 323)
- Ask your advisor

■ Paperwork: Advising Center

- North building, room 323
- 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
 - Graduate assistant (GA) – tuition remission
 - 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
itsekour@stevens.edu