



Welcome to Stevens Computer Science

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Director, MS in Computer Science
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CS Offers 4 Masters Degrees

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

1. Computer Science
2. Cybersecurity
3. Enterprise and Cloud Computing
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; 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)
- 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



CS Focus Areas

- A “focus area” is a *suggested* set of courses that allow student to specialize
- Focus area is NOT listed on diploma or transcript
- You may follow focus area or not; it’s up to you. You may take as many or few of the listed courses as you wish.



Example Focus Areas

<https://www.stevens.edu/schaefer-school-engineering-science/departments/computer-science/graduate-programs/computer-science-masters-program/curriculum-overview>

- Cloud Computing
- Databases
- Gaming and Simulation
- Mobile Systems
- Network and Systems Administration
- Secure Systems
- Software Development
- Web Application Development

Course Information - Important

- See CS department intranet
- Go to my.stevens.edu and click on Campus Directory, navigate to Computer Science

mySTEVENS

Stevens.edu People Finder Search **Campus Directory** Philippos Mordoh

CAMPUS SERVICES

- Outlook Web App
- Workday
- Canvas
- IT Service Desk
- Spam Controls
- Student/Faculty Web Self Services
- eBilling
- Campus Card Office (DuckBills)
- Facilities Workorder
- Housing
- Alerts
- People Finder
- Google Calendar
- Google Drive
- Password Service

Course Surveys
Employee Parking Permit
Freshman/Sophomore Early Warning Systems
Graduate DuckSync
ID Photo Search
Kuali Financials
Library Databases
Network Guest Registration
NJ Transit Quik-Tik
NJVid
Nortel CallPilot (Voicemail)
Targeted Email
Undergraduate DuckSync
Writing and Communications Center

HELLO
my name is
myStevens 2.0

Welcome to the new myStevens. [Click here for a welcome message.](#)

UPCOMING EVENTS

Aug 16	Graduate Admissions: Domestic Prospective Students Webinar 6:00pm
Aug 18	GSK Networking Session and Recruiting Opportunity for Latino Students and Professionals 5:00pm
Aug 19	Anime Club - Summer Anime Week 14: Movie Night 9:00pm
Aug 25	Class of 2017 Early Bird CPC Orientation 5:00pm
Aug 30	Undergraduate: CPC Orientation Workshop 11:00am

TWEETS

- StevensStudentLife Retweeted
Stevens @FollowStevens
Incoming Ducks, check your email for an invitation to download @StevensStudents Orientation App! #WelcomeHome #StevensOrientation
15 Aug
- StevensStudentLife @StevensStudents
So much to do, so little time!
stevensorientation.com/2016/08/15/so-...
15 Aug
- StevensStudentLife @StevensStudents
At one point in time, Stevens housed students on the SS Stevens! #stevensfff
12 Aug

Course Information - Important

- See CS department intranet

mySTEVENS

Stevens.edu People Finder Search Campus Directory

Computer Science

COMPUTER SCIENCE

- Home
- Undergraduate
- Graduate
 - Overview
 - Masters
 - GRADUATE PROGRAMS IN ENTERPRISE AND CLOUD COMPUTING
 - M.S. IN COMPUTER SCIENCE
 - M.S. IN CYBERSECURITY
 - M.S. IN MEDIA AND BROADCAST ENGINEERING
 - Doctoral Program
 - Ph.D. Qualifying Examination
 - Announcement of Ph.D. Qualifiers
 - Letter to Candidates
 - Certificates
 - Graduate Courses
 - Co-op and CPT
 - Advising Center
 - FAQ
 - Accreditation

COMPUTER SCIENCE DEPARTMENT

Welcome to the Computer Science department Intranet!

Please navigate using the left side bar.



Course Information - Important

- Intranet has course syllabi and outcomes
 - Outcomes are what students should be able to do at the completion of the course
- The department page has ALL courses, regardless of whether they are offered in the current semester
- See Registrar's page for courses offered this semester (stevens.edu/registrar)
 - Click "Course Offerings", "Home" and "Course Section Search" for advanced search options



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
 - Three offered this semester



CS 810 Courses

- Programming the Internet of Things with iOS
- Formal Modeling and Analysis for Software Security
- From NAND to Tetris



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 3 grades C or worse, or
 - Receive an F in any course
 - Fail to fulfill an admission requirement (e.g., take CS 590 and get a B)



Registration procedure today

- Choose courses now
- Conditions in your admission letter?
- Enroll via MyStevens; registrar staff available in Babbio Center until 5pm
- 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>



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: <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER I <input type="checkbox"/> SUMMER II <input type="checkbox"/> 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 12



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 Klappholz, Duggan, Kleinberg and Mordohai
- Cybersecurity: Prof. Portokalidis
- Enterprise and Cloud Computing: Prof. Duggan
- Media and Broadcast Engineering: Prof. Mordohai

- Associate Director for graduate programs: Prof. Engling



Which MS-CS Advisor to See?

- See your admission letter and potentially follow-up email
- Prof. Engling will be at CS Advising Center (Lieb 103):
Monday-Thursday 4:30-6:00 (subject to change)
- Advisor office hours will be posted when classes begin



To Get Help

- Academics: your advisor or Prof. Engling
 - See FAQ on CS intranet first!
- Paperwork: CS main office (2rd floor Lieb)
 - Ms. Dawn Garcia: dgarcia@cs.stevens.edu, 201-216-5578
- Visa issues: ISSS
- Financial Issues: Student Service Center
- Computer/network issues:
 - IT Knowledge Base:
<https://sit.teamdynamix.com/TDCClient/KB/>



Email

- You MUST maintain your “myStevens account” (i.e., ID@stevens.edu)
 - Important email announcements sent there
 - You may 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



Programming Facilities

- `linux-lab.cs.stevens.edu` is a set of Linux machines – DNS alias randomly connects you to one of several machines
- Any student taking a CS course is entitled to an account – your instructor will arrange it




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 in two ways:
 1. Co-op (full time work for pay, no credit)
 2. 1-credit CPT course, CS 703 (full or part time)



Co-op

- Student placed into job in local industry; i.e., job is arranged for you
- Full time work, no credit
- Must be a top student to participate:
 - Must have 3.5 GPA
 - Must have taken at least 4 CS courses, including one core course
 - Must be recommended by Prof. Engling
- For further info: contact Prof. Engling



CS 703

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