# Welcome to Stevens Computer Science

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Associate Chair of Graduate Education in Computer Science
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# CS Offers 4 Masters Degrees

https://www.stevens.edu/schaefer-schoolengineering-science/departments/computerscience/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; 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)
- 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.

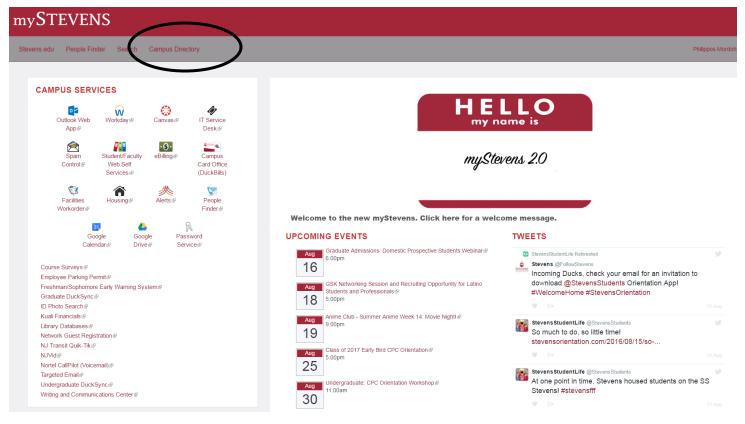
# **Example Focus Areas**

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

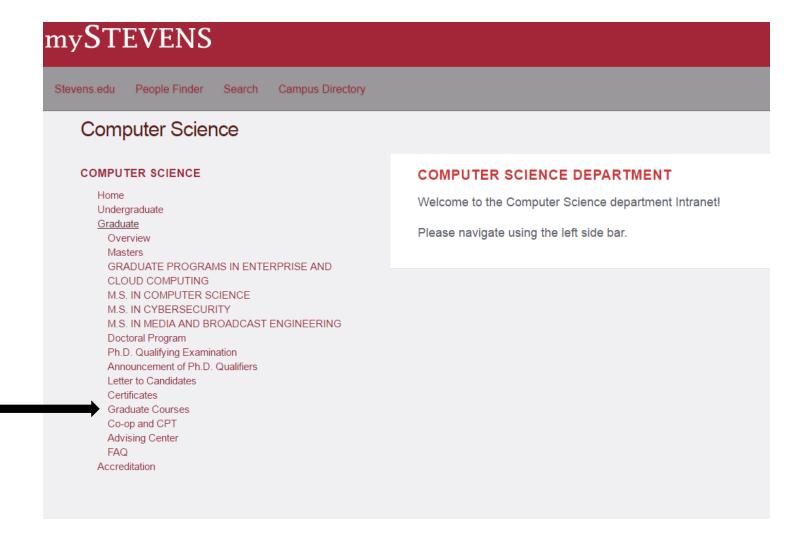
# Course Information - Important

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



# Course Information - Important

See CS department intranet



# 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 (<u>stevens.edu/registrar</u>)
  - □ 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

### 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?
- 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

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#### GRADUATE ENROLLMENT FORM

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

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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** 

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January 5, 2015, Change\_of\_Enrollment.doc

Last day to add/drop: Monday, Sep 11th

### **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

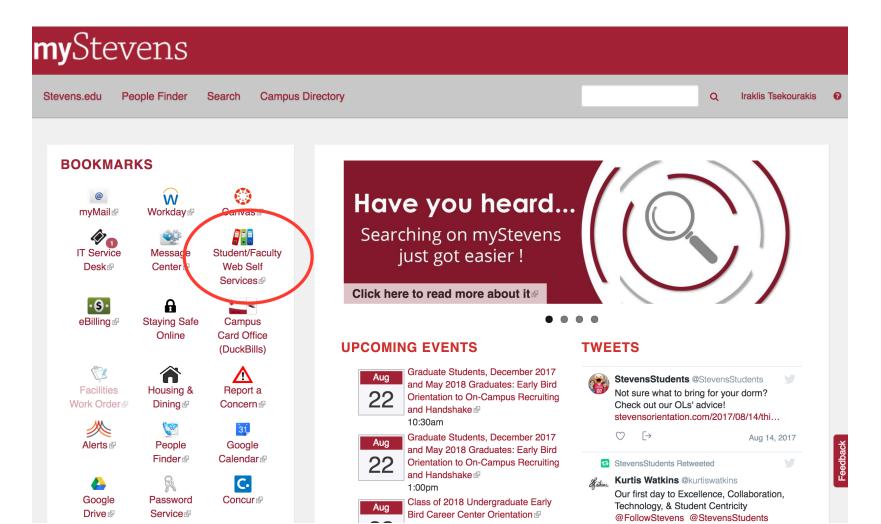
If you plan to take more than 3 technical courses, don't do it in the first semester

### **MS** Advisors

- Computer Science: Professors Dunn, Klappholz, Kleinberg, and Tsekourakis
  - Advisors are currently being re-assigned
  - □ You will receive an email if your advisor has changed
- Cybersecurity: Prof. Nicolosi
- Enterprise and Cloud Computing: Prof. Duggan
- Media and Broadcast Engineering: Prof. Tsekourakis

# Find your advisor

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



# Find your advisor II



Student Services

Use the navigation bar of site

Personal Info

2017 Fall

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

**Electronic Payment** 

**Unofficial Transcript** 

**Institutional Coursework Transfer Credit** 

**Parking Permit Request** 

**Graduate Student Campus Domain Account Request** 

IRS Form 1098-T Into mation

Holds

Advisor

#### **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.

atures described on this page.

#### 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.

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

RELEASE: 1.20

powered by **SUNGARD** HIGHER EDUCATION

# To Get Help

- Academics: your advisor
  - □ See FAQ on CS intranet first!
- Paperwork: North building, room 301
  - □ Ms. Dawn Garcia: <u>dgarcia@cs.stevens.edu</u>, 201-216-5578
- Visa issues: ISSS
- Financial Issues: Student Service Center



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

# 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 a term of Co-op training organized by the Student Career Center Office. Does not guarantee you a job offer.
- Full time work, no credit
- Must be a top student to participate:
  - Must have 3.5 GPA
  - Must be recommended by Prof. Damopoulos
- For further info: contact Prof. Damopoulos
- You can apply after your first term (Late January, or early Feb)

### **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 your Prof. Damopoulos before you can register
- At end of semester, must write a report of activities and give oral presentation on campus