Welcome!
CS by the Numbers!

- 866 Majors!
- 50 Applicants
- 88 Minors
- ~101 UGs graduating each year (Feb, May, Sept)
- 50 Faculty
BS in Computer Science

• Comprehensive Training in Computer Science

• Course Requirements
  – 14 Computer Science
  – 4 Math
  – 2 Majors-Level Science

• BS-CMPSCI Students Prepared For
  – Graduate Study in CS
  – Most Technical Entry-Level Jobs in Industry
BA in Computer Science

• Computing Focus Degree in CS
• Course Requirements (Less CS)
  – 10 Computer Science
  – 3 Math
  – Foreign Language
  – 4-Course Concentration
• BA-CMPSCI Students Prepared For
  – Application of computing to a secondary area
Timeline & Progress

• Planning is important
  – CS Classes you need to take
  – Requirements you need to fulfill

• Keep track of your progress!
  – Tracking Forms
Computer Science
Bachelors of Science

Freshmen Year

Thoughts
- Study Habits
- Attendance/Participation!
- Office Hours!
- What courses did I like/dislike
Computer Science
Bachelors of Science

Sophomore Year

Thoughts
- Am I interested in the ACM group?
- Internships?
- Semester Abroad?
- Post-Grad Plans?
- Baystate Fellowship?
Thoughts

- CMPSCI 320 – Integrative Experience
- Internship?
- Baystate?
- REU Program?
- Industry or Grad School?
Computer Science
Bachelors of Science

Senior Year

Thoughts
- Industry or Grad School?
- Is my resume in order?
  (career center)
- I should be planning to speak to recruiters!
BS-CMPSCI Tracks

- General CMPSCI
- Artificial Intelligence
- Computer Architecture
- Networking
- Programming Languages & Compilers
- Theory of Computation

- Robotics, Vision, 7 Graphics
- Search & Data Mining
- Security & Privacy
- Software Engineering
- Software Systems
Computer Science
Bachelors of Arts

**Differences**

**Required:**
Concentration Plan by end of junior year (courses/statement of purpose)

**Must Satisfy:**
Foreign Language Requirement
ROCKs
Leadership and Outreach Committee

• ROCKs Students...
  – are Juniors or Seniors in CS
  – have been successful in the CS program
  – serve as Student Ambassadors
  – are knowledgeable about the CS program
  – recruit new CS students
  – give tours
  – represent CS at university open houses and other outreach events
  – answer questions from prospective students
ACE
Advising Center Committee

• ACE Students...
  – are Juniors or Seniors in CS
  – have been successful in the CS program
  – are knowledgeable about the CS program
  – are knowledgeable about CS courses
  – know how to navigate the program to ensure success as a CS student
Where can you find ACE?

USpace
Room 144
Computer Science Building

To be the **first point of contact** to first-year students, applicants to the major, and anyone interested in CS!

To be **excellent** peer advisors to the undergraduate CS population!
First Year Student Advising

• Have a Freshman Advisor
  – Gordon Anderson
  – froshadvising@cs.umass.edu

• CS Peer Advisors
  – ACE is the place!

• Registration/Advising Meeting
  Registration for Spring 2016
  Will be announced
Second Year Student Advising

• **Have a Sophomore Advisor**
  – Tim Richards
  – [sophadvising@cs.umass.edu](mailto:sophadvising@cs.umass.edu)

• **CS Peer Advisors**
  – ACE is the place!

• **Registration/Advising Meeting**
  *Registration for Spring 2016*
  Will be announced
Post Grads & Transfers

• Faculty Advisors
  – Have been assigned to you

• Advising Appointments
  – Contact your advisor during registration period (they may contact you first, but don’t assume)
  – Be prepared to discuss your course selection
Research Opportunities

• Research Labs
  – Lots of opportunity to participate!
  – Great for jobs and graduate school in CS!

• Independent Studies
  – Work individually with a faculty member

• Honors Program (https://www.honors.umass.edu)
  – Departmental honors / capstone experience

• Paid Undergraduates
Bay State Program

• Tuition-Free Masters Degree
  – Complete BS-CMPSCI degree
  – GPA at least 3.6
  – With Small Assistantship ($$)
• http://www.cs.umass.edu/admissions/bay-state-fellowship-program
Internship Opportunities

• Where do CS students get internships?
  – BBN/Ratheon, Cisco, EMC, Fiksu, Google, Yahoo!, TripAdvisor, Vistaprint, Amazon, Microsoft, LinkedIn, General Dynamics, ...

• How do they do this?
  – Attending Career Fairs (several at UMass)
  – Solid Resume, Start Sophomore Year
  – UMass CareerConnect

http://umass.experience.com/experience/login
Departmental Resources

FAQ
http://www.cs.umass.edu/ugrad-education/faq-bs-program

CS course schedules
http://www.cs.umass.edu/ugrad-education/courses

Tracking Forms:
  Bachelor of Science:
  Bachelor of Arts:

Transfer Procedures: (transfer admits and pre-approval for courses taken elsewhere)
https://www.cs.umass.edu/admissions/transfer-students

General Advising:
https://www.cs.umass.edu/ugrad-education/advising-and-advisors
https://www.cs.umass.edu/ugrad-education/registration-counseling

Advice on Proposing BA Concentrations (subject to UPD approval):
http://www.cs.umass.edu/ugrad-education/ba-degree-requirements
University Resources

Dean’s Office (Academic Advising)
http://www.cns.umass.edu/students/academic-advising

Registrars Office:
http://www.umass.edu/registrar/

UMass Career Services - internships, resumes, job search
http://www.umass.edu/careers/

University Health Services - Mental Health Services
http://www.umass.edu/uhs/mentalhealth/

Academic Regulations
http://www.umass.edu/registrar/students/policies-and-practices/
academic-regulations