



**Welcome
to**

UMass Amherst

Class of 2024



Welcome to:

**The College of
Information and
Computer Sciences**

at

UMass Amherst



Agenda

- Introduction
- Programs
- Application Process
- Fall 20 Classes
- Spring 21 Registration

Introduction



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Advising

- ❖ Our job is to help you:
 - Navigate majors (Major Exploration)
 - Narrow your academic focus
 - Develop a “Back Up Plan”!
 - Declare a Major
- ❖ During the school year (Fall 2020) advising is done via Zoom
- ❖ On-line appointment system

Advising

- ❖ Meet at least 3 times per semester
 - Today
 - Info Session in late Oct (TBD)
 - One on one prior to enrollment appointment
 - Always welcome to see us (via Zoom Fall 2020)
 - Holds – check Spire

Advising

- ❖ **FERPA** – the federal Family Educational Rights and Privacy Act of 1974
 - College is **VERY** different from K-12
 - Student records belong to the you (no one else)!
 - Waiver
 - It is your education

You're in the driver's seat!
Your parents are in the passenger's seat!



Important Dates

- ❖ Add/Drop – Sept 7, 2020
- ❖ W date – Oct 16, 2020
- ❖ Last day to P/F – Nov 20, 2020
- ❖ Spring 2021 Registration, early November
- ❖ “Students Interested in Computer Science Major”
 - TBD
 - TBD

The image features a large, semi-transparent watermark of the University of Massachusetts Lowell seal in the background. The seal is circular and contains a central figure holding a staff and a book, with a star above. The text around the seal includes 'UMASS LOWELL', '1863', and 'LIBERAL OVERTHROW'.

CS Undergraduate Programs

- ❖ Computer Science - BS
- ❖ Computer Science - BA
- ❖ Informatics - BS
- ❖ Computer Science – Minor
- ❖ IT Minor



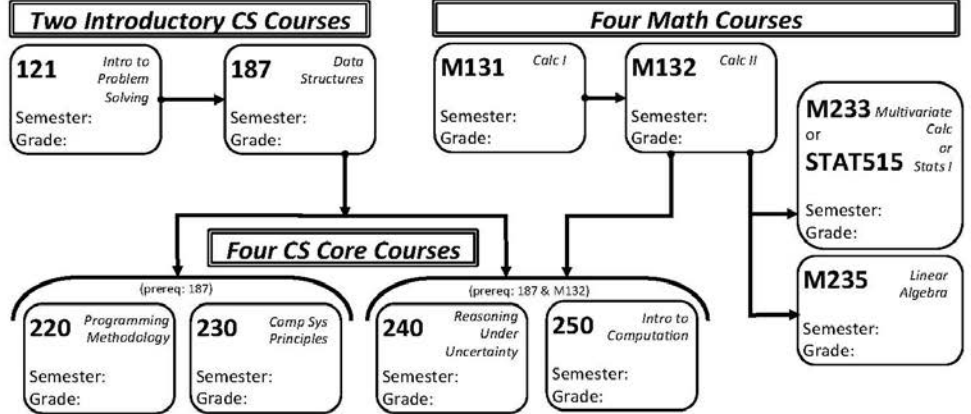
BS Computer Science

- 14 Computer Science
- 4 Math
- 2 Majors-Level Lab Science

BS Tracking Form for CS Major requirements

Effective Fall 2016

Name: _____ ID#: _____ Advisor: _____



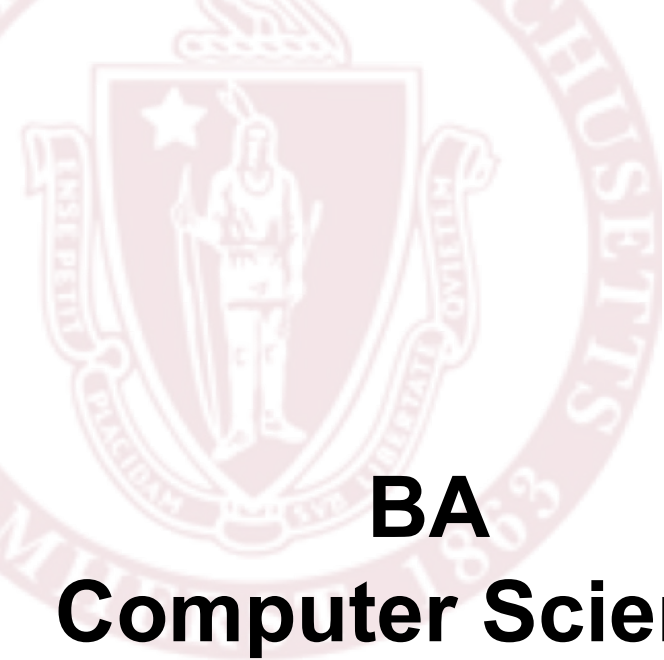
Students are strongly advised not to take 220 and 230, or 240 and 250 together in the same semester.

Eight Upper-Level Courses			Integrative Experience	JrYr Writing
(prereq: 250) 311 Algorithms Semester: _____ Grade: _____	CS 300+ Semester: _____ Grade: _____	CS 300+ Semester: _____ Grade: _____	Choice of 320* , 326* _____ Semester: _____ Grade: _____ <small>*320 or 326 may also satisfy an upper-level elective.</small>	305 Social Issues in Computing (Or JYW in another dept) Semester: _____ Grade: _____
CS 300+ Semester: _____ Grade: _____	<small>*IE Req. if 320 or 326</small> <small>LUPD may approve a maximum of 3 credits of CS 459T/P or CS 396/496 to satisfy a CS elective at the appropriate level.</small> <small>*Some graduate (600) level+ courses are permitted, but often have twice the workload of undergrad courses.</small>	Or, Outside Approved Elective** CS 300+ Semester: _____ Grade: _____	Major GPA (See ARR) _____ Minimum 2.0 cumulative GPA in all courses applied to major. Pass/Fail not allowed in major.	
CS 400+ Semester: _____ Grade: _____	CS 400+ Semester: _____ Grade: _____	CS 400+ Semester: _____ Grade: _____	CNS Lab Science Courses (8 credits) CHEM 111 (or 121) CHEM 112 (or 122) GEOL 101/lab, (or 103/131, or 105/131) PHYSIC 151 (or 181) PHYSIC 152 (or 182) Semester: _____ Semester: _____ Grade: _____ Grade: _____	

**Approved outside courses include:
ECE 353, ECE 597AB, ECE 668, LINGUIST 401,
MATH 411, MATH 545, MATH 551, MATH 552

Please see the section on Lab Science Courses at:
<https://www.cics.umass.edu/ugrad-education/details-bs-requirements>

University and GenEd requirements should be checked on SPIRE. This form is for guidance only.



BA Computer Science

- 10 Computer Science
- 3 Math
- Foreign Language
- 4-Course Concentration

BA-CS Tracking Form for major requirements

Name: _____ ID#: _____ Advisor: _____

Two Introductory CS Courses

121 *Intro to Problem Solving*

Semester: _____
Grade: _____

→

187 *Data Structures*

Semester: _____
Grade: _____

Three Math Courses

M131 *Calc I*

Semester: _____
Grade: _____

M132 *Calc II*

Semester: _____
Grade: _____

The third course can be: any 200+ MATH course, RE211*, RE212*, STAT240*, STAT501*, or STAT515.

Semester: _____
Grade: _____
** not applicable to the BS.*

Math 127-128 can be substituted for Math 131-132 for the BA, but this option will restrict access to 200-level cores and higher-level electives that require Math 132 as a prerequisite.

CS Core Courses (complete only three of the four)

1. Semester: _____
Grade: _____

2. Semester: _____
Grade: _____

3. Semester: _____
Grade: _____

The courses must be chosen from the following list:

- 220 Programming Methodology
- 230 Computer Systems Principles
- 240 Reasoning Under Uncertainty (M132 prereq)
- 250 Intro to Computation (M132 prereq)

Your choice of cores determines which CS electives you can take.

Students are strongly advised not to take 220 and 230 or 240 and 250 together in the same semester.

NOTE: Completion of 121, 187, and three CS cores completes the CS

Five Upper-Level CS Courses (300+)

1. Semester: _____
Grade: _____

2. Semester: _____
Grade: _____

3. Semester: _____
Grade: _____

4. Semester: _____
Grade: _____

** CS courses only (not CS 305). Courses numbered x90-x99 (limit of 3 credits) require UPD approval to count toward degree.*

**Some graduate (600) level+ courses are permitted, but often have twice the workload of undergrad courses.*

5. Semester: _____
Grade: _____

Integrative Experience

University requires IE and JYW courses be taken at UMass Amherst. Secondary CS Majors should satisfy these requirements in their primary major.

Choice of 320*, 326*

Semester: _____
Grade: _____

**320 or 326 may also satisfy an upper-level elective.*

305 Social Issues in Computing
(Or JYW in another dept)

Semester: _____
Grade: _____

Major GPA

Minimum 2.0 cumulative GPA in all courses applied to major. Pass/Fail not allowed in major.

Language

Check box if complete. Study of a foreign language is required for the BA degree by the College of Information and Computer Sciences.

Four-Course Outside Concentration

(must be approved by UPD prior to registration for 1st semester senior year)

Concentration Area: _____

1. Semester: _____
Grade: _____

2. Semester: _____
Grade: _____

3. Semester: _____
Grade: _____

4. Semester: _____
Grade: _____

Non-CS courses, 200-level+, that form a focused study in another discipline are eligible. With appropriate justification, students may propose that one of the four be a 4th course from the 200-level CS cores, or a 6th 300-level+ CS elective.

University, General Education and Foreign Language requirements should be checked on SPIRE. Revised June 23, 2016



Informatics

- Data Science Track
- Applied Computing Program
- Application Process
 - Info 150 – C or better
 - CS 121 – C or better
 - 2.5 or better
 - Apply <https://www.cics.umass.edu/ugrad-education/joining-informatics-major>

<https://www.cics.umass.edu/informatics>

The image features a large, faint watermark of the University of Massachusetts Lowell seal in the background. The seal is circular and contains a central figure holding a staff and a book, with a star above. The text 'UNIVERSITY OF MASSACHUSETTS' and 'LOWELL' is visible around the perimeter of the seal.

Informatics

- Dr. Michelle Trim (CICS) – Associate Director
- Fabienne Boisson – Informatics Advisor

<https://www.cics.umass.edu/informatics>



Minor in Computer Science

➤ **Course Requirements (5)**

- 2 Entry Level Computer Science
 - At Least 2 200-Level Courses
 - 1 200-Level or Above
- Submit “Intent” form (no application)
- Due same time as major application
 - Same academic standards

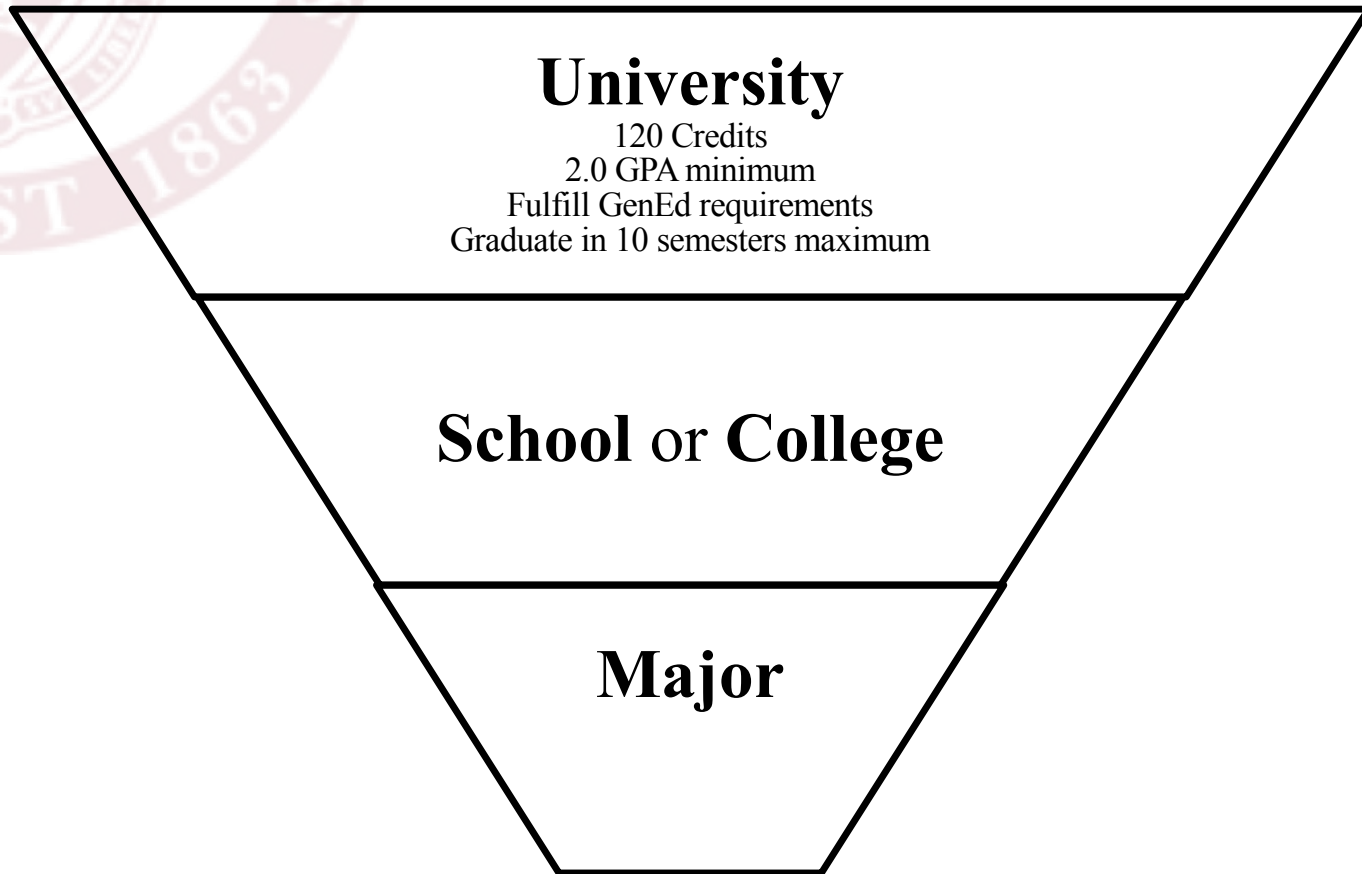
The logo of Mhershon University is a circular seal. It features a central shield with a figure holding a staff and a star above. The shield is surrounded by a banner with the motto "IN SEQUITUR PLACIDAM LIBERTATEM". The outer ring of the seal contains the text "MHERSHON UNIVERSITY" and the year "1863".

Minor in Information Technology

➤ Course Requirements (6)

- 1 Foundation Course, 2 Technical Courses, 1 Broadened Inquiry Courses, and 2 Electives
- Enroll on the IT Minor Website
 - This minor allows you to still pursue computing and technical classes if you choose a non-CICS major
 - You can apply CS coursework you have taken

GRADUATION REQUIREMENTS



Fall 20 Schedule

- Should be a “Balanced Schedule”
- 4 Classes + CS Seminar
 - CS 121 or 186 or 187
 - Math 131 or 132 or 233
 - CICS191CICS (seminar)
 - English Writing 112 or Elective
 - Major Exploration Class or Diversity Gen Ed
- Start thinking about a “Back Up Plan”
- Fall 20 P/F Option

CS Application

- Applications are accepted:
 - October 1
 - March 1
- When should you apply?
 - The semester you are enrolled in CS 187
- Up to 2 **consecutive** applications are permitted
- Attend a “Students Interested in Becoming a CS Major” meeting each semester an app is submitted

CS Application

➤ Criteria:

- Math 131 & Math 132 - B
- CS 121 & CS 187 - B
- *CS 186

➤ Notification

- Receive contract's within 2 weeks
- Fulfilled contract or not (after grades are posted)

➤ Importance of Back Up plan!!

SPIRE

Academics

[My Class Schedule](#)
[Shopping Cart](#)
[Schedule Builder](#)

Other Academic

* Select ...

Try New Interface!

Deadlines

URL

Fall 2020 Schedule

		Class	Schedule
		COMPSCI 121-07 LEC (68558)	MoWe 4:00PM - 5:15PM Fully Remote Class
		COMPSCI 121-07LL LAB (68565)	Fr 10:10AM - 11:00AM Fully Remote Class
		ECON 203-01 LEC (58837)	MoWe 12:20PM - 1:10PM Fully Remote Class
		ECON 203-01AF DIS (58972)	Fr 12:20PM - 1:10PM Fully Remote Class
		ENGLWRIT 112H-09 LEC (68528)	TuTh 11:30AM - 12:45PM Fully Remote Class
		HONORS 191FPH-01 SEM (61638)	We 1:25PM - 2:15PM Fully Remote Class
		HONORS 201H-08 SEM (61595)	MoWeFr 11:15AM - 12:05PM Fully Remote Class

[Weekly Schedule](#)

[Make a Payment](#)

Message Center

About the Message Center

You have NO messages in your Message Center.

Holds

No Holds.

To Do List

[Direct Loan Entrance Form](#)

[More](#)

Milestones

For Graduate Students only

Enrollment Dates

Enrollment Appointment

You may begin enrolling for the Fall 2020 *University session on August 3, 2020.

Spring 2020 Academic Load:

[Details](#)

Primary Advisor

Major & Other Academic Plans

Primary: Undeclared Exploratory Track ET-Computing & Informatics Member of Cmnrwth Honors Col

Primary Program Advisor

[Greg Boisseau](#)
413/545-4822

College of Information & Computer Sciences:

413-545-4822
Lederle Graduate Research Center
LGRC lowrise, Room A243
cicsadvising@umass.edu

[Make an Appointment](#)
[Advising Web Site](#)

[More advisor info](#)



Spring 21 Registration

- Early November
- Holds – check spire!
- Late Oct – Group Registration meeting
- Register for at least 12 credits
- Submit overrides
- Major Exploration!
- Diversity (DU or DG) – in first year



Resources

- **LRC** (*Learning Resource Center*)
- **Calc Tutoring Center**
- **Writing Center**
- **Professor Office hours**
- **CMASS** (*Center for Multicultural Advancement and Student Success*)
- **IPO** (*International Programs Office*)
- **Campus Pulse**

Additional Info

- **CICS Student Mentor Program**

- Meet other students and get advice from someone who has been there!

<http://bit.ly/2EJ9cUB>

- **Check out [#40DaysofUMass](#)**

- starting September 1st, for tips, resources, and information on University events.

- **FreshCICS**

- social group for first-year students in CICS
- provides support, opportunities for collaboration
- sense of community, meet peers and second-year students. Sign up for the FreshCICS Piazza: <https://forms.gle/bvVw2Zx5LdcUFhew6>

CICS Careers

- Career Services Platform, “Handshake”:
 - Sign up for career **events** like the career fair
 - Apply to **jobs** and internships from over 1,000 employers
 - Request **appointments** with a career advisor

- Virtual Tech Fair (jobs & internships) – Sept 22-23

- Want to know more?
 - Visit their website at <https://www.cics.umass.edu/careers>
 - CICS Career Advising Center LGRC A213

Random Advice

- Join the online community, **#FreshCICS** social events for CICS Students
- Watch Email – daily
- Watch spire – 2-3 times weekly
- Connections – Introduce yourself to each Prof
- Advising Website: <https://www.cics.umass.edu/advising>
- Know your syllabus – how is your grade determined
- Time Management – “Manage your time or time will manage you”
- Rhythm

Please Remember

- ❖ **Focus** on CS but, **Explore** possible majors (**Major Exploration**) - take courses that interest and excite you
- ❖ **Develop a Back Up Plan**
- ❖ **Take your time** with GenEds – get the most out of them
- ❖ **Declare a Major**, by the end of your 3rd semester (45 credits)
- ❖ **YOUR MAJOR DOES NOT ALWAYS EQUAL YOUR CAREER**



Q's?