Curriculum Flow Chart for Computer Science + Economics

Semester 1: CS 124 | CS 100 | MATH 220 or 221 | ECON 102 | LAS 101

Semester 2: CS 128 | CS 173 | MATH 231 | ECON 103

Semester 3: CS 225 ↔ CS 222 | Stat Foundations* ↔ MATH 257 or 225 | ECON 203

Semester 4: CS 233 | CS 240 — OR

Semester 5: CS 241 | CS tech*** | ECON 302

Semester 6: CS 374 | Advanced ECON** | Advanced ECON**

Semesters 7 and 8: CS 421 | CS tech*** | Advanced ECON** | Advanced ECON**
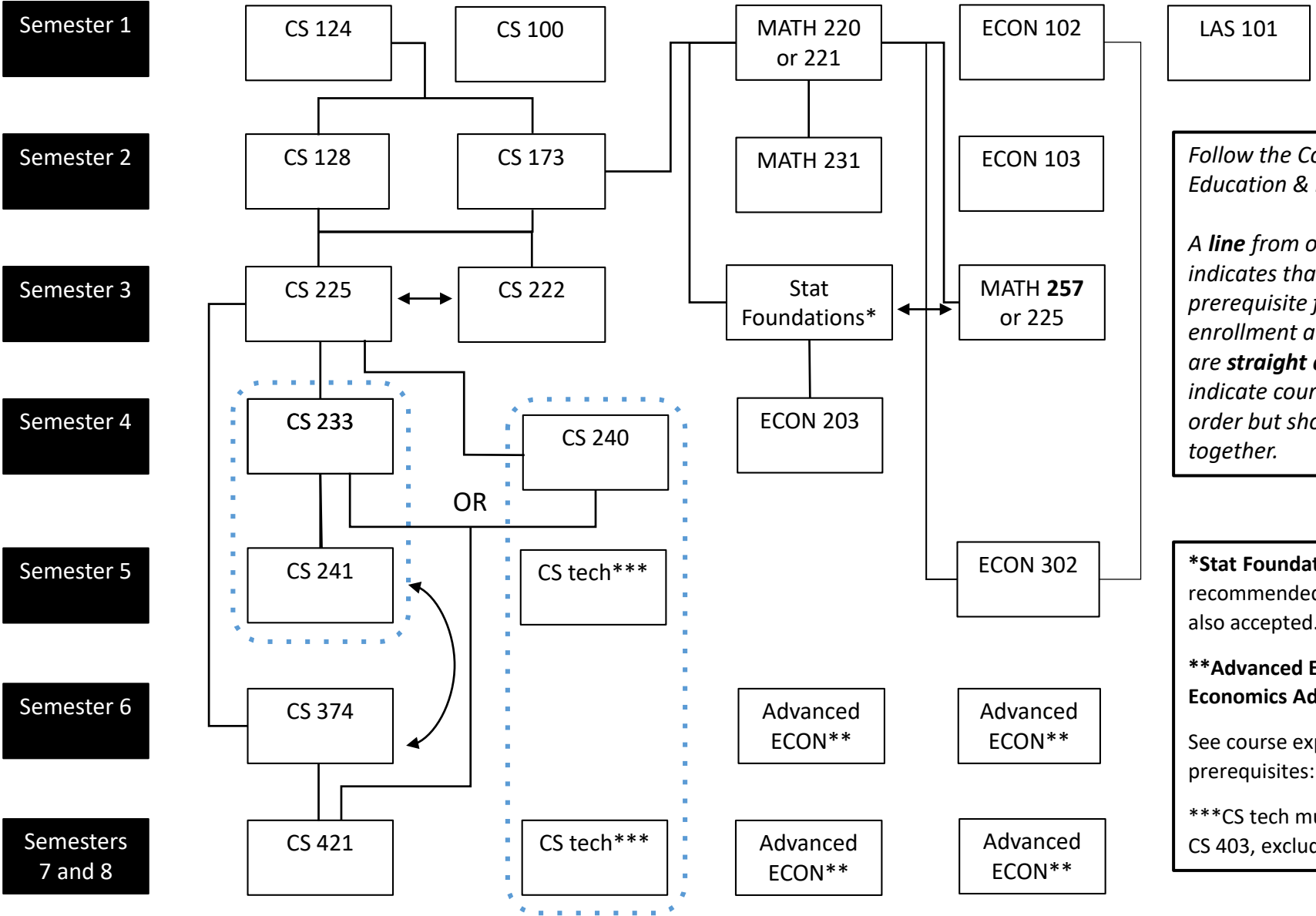
Follow the College of LAS General Education & Language Requirements.

*A **line** from one course to another indicates that the first course is a prerequisite for the second, concurrent enrollment acceptable where there are **straight arrows, curved arrows** indicate courses can be taken in either order but should not be taken together.*

*Stat Foundations: CS 361 or ECON 202 recommended. STAT 200 or STAT 212 also accepted.

**Advanced Economics, 12 hrs: See Economics Advisor for Course Selection

See course explorer for course prerequisites: https://courses.illinois.edu/

***CS tech must be 400-level CS above CS 403, excluding CS 421 and CS 491.

Curriculum Plan: Computer Science + ECON Beginning Fall 2021

_____ LAS 101/LAS 102 (int. students)

General Education Requirements

_____ Composition I

_____ Advanced Composition

_____ 4th Level Language (LOTE)

_____ 3hrs Humanities and the Arts

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_____ 3hrs Social Behavioral Science*

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_____ 3hrs Natural Sciences & Technology

_____ 3hrs Natural Sciences & Technology

Cultural Studies

_____ Western Culture

_____ Non-Western Culture

_____ US Minority Culture

*Completed with Economics Foundation Courses

Math & Stat Courses

_____ MATH 220 5hrs, Calc or

   MATH 221 4hrs, Calc I

_____ MATH 231 3hrs, Calc II

_____ MATH 257 3hrs, Lin Alg w/Comp. Apps. or

   MATH 225 2hrs, Into Matrix Theory

_____ STAT Foundations:

   ECON 202, CS 361, STAT 200 or STAT 212

Computer Science Courses

_____ CS 100 1hr, Fresh Orientation (_Recommended_)

_____ CS 124 3hrs, Intro to Computer Science I

_____ CS 128* 3hrs, Intro to Computer Science II

_____ CS 173** 3hrs, Discrete Structures

_____ CS 222* 1hr, Software Design Lab

_____ CS 225** 4hrs, Data Structures

_____ **CS 240** 3hrs, Intro to Computer Systems**

_____ **CS tech*** 3hrs, 400-level CS Elective**

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OR

_____ **CS 233** 4hrs, Computer Architecture**

_____ **CS 241** 4hrs, Systems Programming**

_____ CS 374** 4hrs, Algorithms & Models of Comp**

_____ CS 421** 3hrs, Programing Languages and

   Compilers**

*Has prerequisites and/or co-requisite; See Course Explorer **&** if you have earned credit for CS 225, see a CS advisor
** Has prerequisites and/or co-requisite; See Course Explorer
***400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.

It is recommended that you work in concert with your assigned academic advisor to ensure you are on track to successfully complete your degree.

Economics Foundation Courses:

_____ ECON 102 3hrs, Microeconomic Principles (SBS)

_____ ECON 103 3hrs, Macroeconomic Principles (SBS)

_____ ECON 203* 3hrs, Economic Statistics II

_____ ECON 302* 3hrs, Inter Microeconomic Theory

Economics Advanced Electives, 12 hours (Consult ECON Advisor for options)

_____ ECON 4_____ 3hrs

_____ ECON 4_____ 3hrs

_____ ECON 4_____ 3hrs

_____ ECON 4_____ 3hrs

*Has prerequisites and/or co-requisite; See Course Explorer

Additional Notes

To meet a course's prerequisites you will need to have earned the listed prerequisite credit or be on path to earn the prerequisite credit before the course begins. Some courses are offered fall-only or spring-only. Be sure to plan ahead!
Working ahead in your CS coursework does not guarantee entrance into the next CS course.

_____ 120 hours required for graduation
_____ 60 hours required for residency