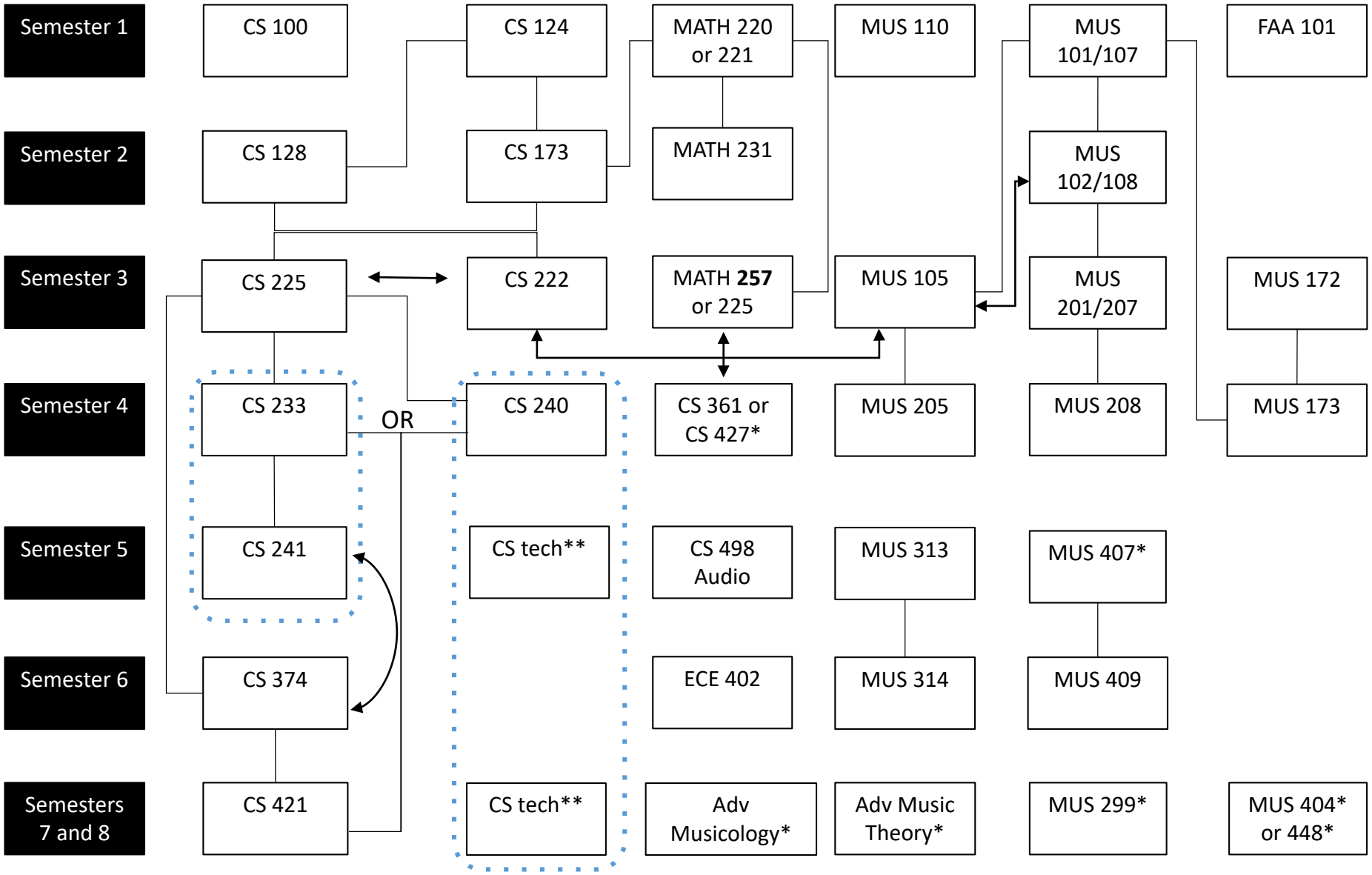
Curriculum Flow Chart for Computer Science + Music



Follow the College of FAA 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.*

*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.

Consult with Music Advisor for Advanced Music Electives.

Curriculum Plan: Computer Science + Music Beginning Fall 2021

_____ FAA 101

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 Nat Sciences & Technology

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Cultural Studies

_____ Western Culture

_____ Non-Western Culture

_____ US Minority Culture

*Completed with Musicology Courses

Math 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

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

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

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 361** 3hrs, Probability and Statistics for CS or
CS 427** 3hrs, Software Engineering I

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

_____ CS 421** 3hrs, Programing Languages and Compilers

_____ CS 498* 3hrs, Topic: Audio Signal Processing
(Audio Comp. Lab) or CS 448 3hrs, Audio Comp. Lab

_____ ECE 402* 3hrs, Electronic Music Synthesis

*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.

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.

Music Theory & Musicianship

_____ MUS 101 2hrs, Music Theory and Practice I

_____ MUS 102* 2hrs, Music Theory and Practice II

_____ MUS 201* 2hrs, Music Theory and Practice III

_____ MUS 107 2hrs, Musicianship I

_____ MUS 108* 2hrs, Musicianship II

_____ MUS 207* 2hrs, Musicianship III

_____ MUS 208* 1hr, Musicianship IV

Musicology

_____ MUS 110 2hrs, Intrd Art Mus: Intl Perspect

_____ MUS 313* 3hrs, The History of Music I (HUM)

_____ MUS 314* 3hrs, The History of Music II (HUM)

Performance Studies

_____ MUS 172 2hrs, Grp Instr Piano for Mus Major I

_____ MUS 173* 2hrs, Grp Instr Piano for Mus Major II

CS + Music Core

_____ MUS 105* 2hrs, Computation and Music I

_____ MUS 205* 2hrs, Computation and Music II

_____ MUS 404* 3hrs, Contemp Compos Techniques or
MUS 448* 3hrs, Computer Music

_____ MUS 407* 3hrs, Elect Music Techniques I

_____ MUS 409* 2hrs, Elec Music Techniques II

_____ MUS 299* 1/2hrs, Thesis/Adv UG Honors in Music

Advanced Music Theory 3hrs**

_____ MUS _____

Advanced Musicology 3hrs**

_____ MUS _____

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

**Consult Music Advisor for options.