

11/7/2024

BS Tracking Form for Informatics Major Requirements (for students starting fall 2021 -summer 2023)

Informatics Core Requirements: Students must complete all Core Requirements

<p>INFO 101 <i>Intro to Info</i></p> <p>Semester: _____ Grade: _____</p>	<p>INFO 150 <i>Math Foundations</i></p> <p>Semester: _____ Grade: _____</p>	<p>INFO 203 <i>Networked World</i></p> <p>Semester: _____ Grade: _____</p>
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- Overall GPA of 2.0 is required for major courses
- Pre-reqs must be completed with a grade of C or better
- No class counted for the major may be taken pass/fail
- Informatics majors must complete 60 units within CICS/CNS
- Informatics majors may be CS minors but may NOT double major in CS
- Two of: INFO 248, CS 345, DS Elective, STATS 240 must be taken at UMass Amherst
- At least 4 of the 6 electives must be taken at UMass Amherst
- No single course can fulfill two different major requirements. For example, INFO 348 cannot fulfill data science concentration requirement AND count as an elective requirement for DS concentration
- Students can propose an elective, but it must be approved by the program

<p>COMPSCI 121 (or INFO 190S/CICS 110) <i>Problem Solving with Computers</i></p> <p>Semester: _____ Grade: _____</p>	<p>COMPSCI 186 (or INFO 190T/CICS 160) <i>Using Data Structures</i></p> <p>Semester: _____ Grade: _____</p>
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<p>STATS 240 <i>Intro to Stats</i> (or alternate: CS 240, OIM 240, PSYCH 240, SOCIOL 212, RES-ECON 212)</p> <p>Semester: _____ Grade: _____</p>	<p>INFO 248 <i>Intro to Data Science</i></p> <p>Semester: _____ Grade: _____</p>	<p>CS 325 <i>Intro Human Comp Interaction</i></p> <p>Semester: _____ Grade: _____</p>
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CS 326* (*pre-reqs are CS 220/CS 230*)
Or INFO 490PI* pre-reqs: *INFO 248 (or COMPSCI 240) and CICS 210 (or COMPSCI 186 or COMPSCI 187)*

Semester: _____ Grade: _____

***Can also count as Integrative Experience for students with Informatics as Primary Major**

Junior Year Writing

Primary Majors: CICS 305 (*Pre-req INFO 248*)
Secondary Majors: JYW in Primary major

Semester: _____
Grade: _____

Concentration Requirements:

Choose Data Science OR Health & Life Sciences


Data Science

<p>INFO 348**</p> <p>Semester: _____ Grade: _____</p>
+
<p>CS 345**</p> <p>Semester: _____ Grade: _____</p>
+
<p>One DS Elective:</p> <ul style="list-style-type: none"> ○ STATS 315/515** OR ○ STATS 501 OR ○ OIM 350** <p>Semester: _____ Grade: _____</p>

Health and Life Sciences

<p>Pick Three:</p> <table border="1" style="width: 100%;"> <tr> <td style="padding: 5px;"> <p>INFO 324**</p> <p>Semester: _____ Grade: _____</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>CS 328**</p> <p>Semester: _____ Grade: _____</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>PUBHLTH 490Z** OR PUBHLTH 460**</p> <p>Semester: _____ Grade: _____</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>INFO 390C** OR BIO 379H** OR BIOL 476 (formerly 597GE)**</p> <p>Semester: _____ Grade: _____</p> </td> </tr> </table>	<p>INFO 324**</p> <p>Semester: _____ Grade: _____</p>	<p>CS 328**</p> <p>Semester: _____ Grade: _____</p>	<p>PUBHLTH 490Z** OR PUBHLTH 460**</p> <p>Semester: _____ Grade: _____</p>	<p>INFO 390C** OR BIO 379H** OR BIOL 476 (formerly 597GE)**</p> <p>Semester: _____ Grade: _____</p>	<p>One Ethics course:</p> <p>PHIL 160 OR PHIL 164 OR CS 508** OR PUBHLTH 497** OR HISTORY 264</p> <p>Semester: _____ Grade: _____</p>
<p>INFO 324**</p> <p>Semester: _____ Grade: _____</p>					
<p>CS 328**</p> <p>Semester: _____ Grade: _____</p>					
<p>PUBHLTH 490Z** OR PUBHLTH 460**</p> <p>Semester: _____ Grade: _____</p>					
<p>INFO 390C** OR BIO 379H** OR BIOL 476 (formerly 597GE)**</p> <p>Semester: _____ Grade: _____</p>					

Informatics Electives (all students choose 6):

<p>Course: _____</p> <p>Semester: _____ Grade: _____</p> <p>-----</p> <p><i>Elective pre-req(s):</i></p>	<p>Course: _____</p> <p>Semester: _____ Grade: _____</p> <p>-----</p> <p><i>Elective pre-req(s):</i></p>	<p>Course: _____</p> <p>Semester: _____ Grade: _____</p> <p>-----</p> <p><i>Elective pre-req(s):</i></p>	<p>Course: _____</p> <p>Semester: _____ Grade: _____</p> <p>-----</p> <p><i>Elective pre-req(s):</i></p>
<p>Course: _____</p> <p>Semester: _____ Grade: _____</p> <p>-----</p> <p><i>Elective pre-req(s):</i></p>	<p>Course: _____</p> <p>Semester: _____ Grade: _____</p> <p>-----</p> <p><i>Elective pre-req(s):</i></p>	<p>List of Approved Informatics Electives</p> <div style="text-align: center;">  </div> <p>https://tinyurl.com/INFOelectives</p>	

**Check SPIRE for pre-requisite information