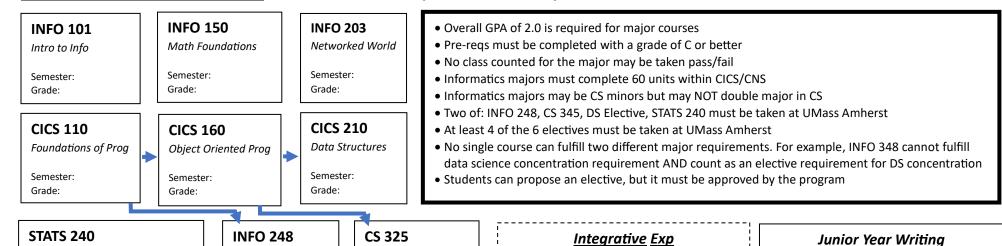
BS Tracking Form for Informatics Major Requirements (for students starting fall 2023 and later) 10/18/2024 Informatics Core Requirements: Students must complete all Core Requirements

Intro Human Comp

Interaction

Semester:

Grade:



Primary Majors:

Semester:

INFO 490PI* (pre-regs are CICS 210 and INFO 248)

Course:

Course:

Semester:

Elective pre-regs (if any):

Semester: Grade:

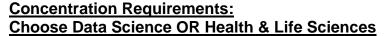
Grade:

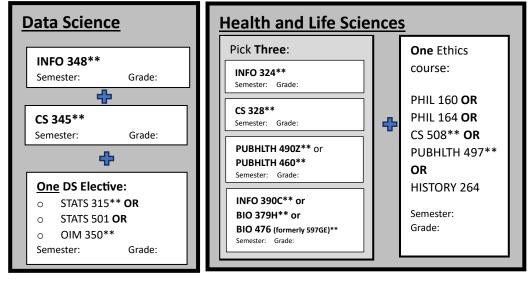
Grade: Semester: Grade:

Intro to Stats

(or alternate: CS 240, OIM 240, PSYCH

240, SOCIOL 212, RES-ECON 212)





Intro to Data

Science

Semester:

Secondary Majors: JYW in primary major **OR CS 326*** (pre-reas are CS 220/CS 230) Semester: Secondary Majors: IE in primary major Grade: Informatics Electives (all students choose 6): Please see reverse side for elective options *Primary Info majors: Course: ___ Course: INFO 490PI or CS 326; Semester: Grade: Semester: Grade: Secondary majors: Info Elective Elective pre-regs (if any): Elective pre-regs (if any):

Course:

Semester:

Elective pre-regs (if any):

Grade:

Primary Majors: CICS 305 (Pre-reg INFO 248)

Course:

Semester:

Elective pre-reqs (if any):

Grade:

^{***}Check SPIRE for most updated pre-requisite information

10/18/2024 BS Tracking Form for Informatics Major Requirements (for students starting fall 2023 and later) **Pre-Approved Informatics Electives** (choose 6):

- All electives count for both concentrations; electives well suited to Health and Life Sciences noted with HLS.
- Posted pre-reqs are waived for informatics majors <u>ONLY</u> for those elective courses that are underlined, although most of these classes do require "Junior" status. For all other courses, posted pre-requisites as listed in Spire apply.

BIOL 379H: Genomics and Bioinformatics (HLS) BIOL 383H: Gene and Genome Analysis (HLS)

BIOL 478: Human Genome Analysis (formerly BIOL 497G) (HLS)
BIOL 479: Genomics and Data Science (formerly BIOL 497D) (HLS)

BIOL 597GE: Evolutionary Genomics & Bioinformatics (HLS) BIOSTATS 535: Data Handling and Analysis Using SAS

BIOSTATS 683: Intro to Causal Inference in a Big Data World (HLS)

BIOSTATS 690T: Applied Statistical Genetics (HLS)

BIOSTATS 690TO: Topics in Biostatistics and Data Science (HLS)

CLASSICS 390STA: Visualizing Archaeological Data CLASSICS 396A (IS): Poggio Civiate Field School

COMM 408: Survey of Digital Behavioral Data (formerly COMM 497DB) COMM 540: Internet Gov & Information Policy (formerly COMM 497GB)

COMPSCI 320: Software Engineering COMPSCI 326: Web Programming

COMPSCI 328: Mobile Health Sensing and Analytics (HLS)

COMPSCI 365: Digital Forensics COMPSCI 383: Artificial Intelligence COMPSCI 389: Intro to Machine Learning COMPSCI 420: Software Entrepreneurship

COMPSCI 426: Scalable Web Systems (formerly COMPSCI 490STA/497S)

COMPSCI 490U: Introduction to User Experience Research

COMPSCI 508: Ethical Considerations in Computing (req CICS 305)

COMPSCI 571: Data Visualization and Exploration

ECE 579: Math Tools for Data Science & Machine Learning

ECON 309: Game Theory

ECON 337: Economics in the Age of Big Data

ECON 452: Econometrics

ENGLISH 379: Professional Writing course

ENGLISH 391C: Web Design (email instructor to join waiting list) ENGLISH 491DS: Data Science for the Humanities (Seminar)

GEOGRAPH 493W / NRC 588 (formerly 597GW): Web GIS (Seminar)

GEOGRAPH 484 (formerly 497A): Geographic Computation

INFO 324: Intro to Clinical Health Informatics (HLS)

INFO 348: Data Analytics with Python

INFO 390C: Introduction to Computational Biology and Bioinformatics

INFO 490C: Intro to Social and Cultural Analytics

INFO 490PI: Personal Health Informatics

LEGAL 342: Machine Bias and Law

MARKET 413: Social Media and Marketing Analytics

MARKET 455: Internet Marketing
MATH 456: Mathematical Modeling
MATH 551: Intro to Scientific Computing

MATH 605: Probability Theory I

NRC 585: Intro to Geographic Information Systems

OIM 350: Business Intelligence and Analytics

OIM 454: Advanced Business Analytics

PUBHLTH 413: Intro to Epi Mgmt & Analysis (formerly 490KR) (HLS)

PUBHLTH 460: Telling Stories with Data: Stats, Modeling, &

Visualization (HLS)

PUBHLTH 490Z: Statistical Modeling for Health Data Science (HLS) PUBHLTH 497R: Research Ethics (formerly PUBHLTH 497) (HLS)

SOCIOL 313: Survey Design and Analysis (HLS)

SOCIOL 351: Social Network Analysis

STATISTC 315: Statistics I (formerly STATISTC 515)

STATISTC 501: Meth Applied Stats

STATISTC 516: Statistics II

STATISTC 525: Regression & Analysis of Variance

STATISTC 526: Design of Experiment