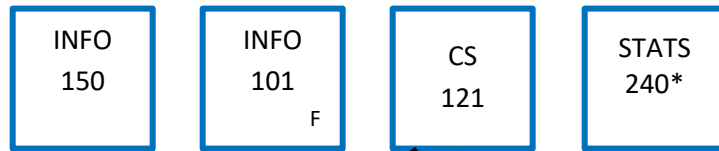


# Informatics Degree Requirements Course Planning Form

## Phase 1

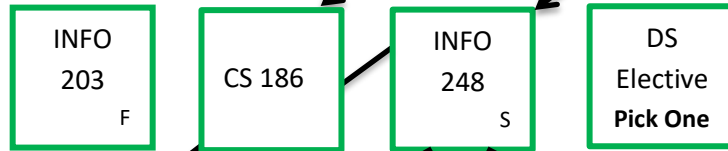
Classes to be completed in your first or second semester in the major



\*STAT 240 Alternates: CS 240, OIM 240, PSYCH 240, SOCIOL 212 or RES-ECON 212

## Phase 2

Classes likely to come after Phase 1 courses to be taken Sophomore or Junior year



**Pick One:** STAT501 Methods of Applied Stats  
 PUBHLTH460: Telling Stories with Data  
 JOURNAL397D J: Data Driven Storytelling  
 OIM350: Business Intelligence and Analytics

## Phase 3

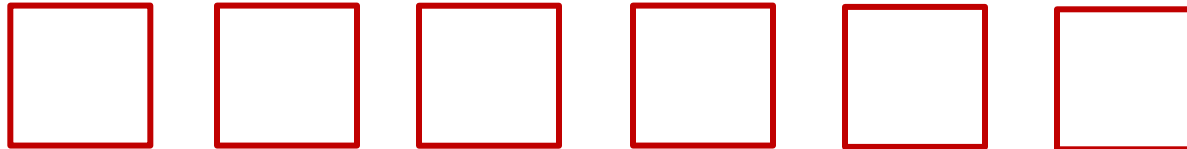
More advanced courses to be completed during the Junior and Senior years



**JYW Alternates:** Any major's certified JYW course can be substituted for 305. JYW must be satisfied at UMass Amherst.

## Electives – Choose 6

Proposed electives must be approved by the program via <https://tinyurl.com/InfoElective>



## Additional Requirements:

- ✦ An overall GPA of 2.0 is required for major courses;
- ✦ No class counted for the major may be taken pass/fail;
- ✦ No one course can be used to satisfy multiple INFO major requirements;
- ✦ Informatics majors must complete a total of 60 science credits;
- ✦ 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.

## Elective Options (at least 4 must be taken at UMass Amherst; Informatics manages enrollment into underlined courses.)

BIO 379H: Genomics and Bioinformatics  
 BIO 383H: Gene and Genome Analysis  
 CICS 397A - 01 ST-Predictive Analytics/Python  
 COMPSCI 328: Mobile Health Sensing and Monitoring  
 COMPSCI 365: Digital Forensics (requires CS 230)  
 ECON 309: Game Theory  
 ECON 452: Econometrics  
 ENGLISH 391C: Web Design  
 ENGLISH 379, 380, 381, 382: Prof. Writing courses  
JOURNAL 397DJ: Data Driven Storytelling  
 MARKET 413: Social Media and Marketing Analytics  
 MARKET 455: Internet Marketing  
OIM 350: Business Intelligence and Analytics  
OIM 454: Advanced Business Analytics  
 PUBHLTH 460: Telling Stories With Data

PUBHLTH 490Z: Statistical Modeling for Health Data Science  
 STAT 501: Methods of Applied Stats  
 STAT 515: Statistics I  
 STAT 516: Statistics II  
 SUSTCOMM 297L: Vis. Com. Design Skills and Principles  
 Propose an elective! Refer to Spire for pre-requisites!

Acceptable electives not yet approved by the Senate:  
 COM 497DB: Survey of Digital Behavioral Data  
 COMPSCI 590V: Data Visualization and Exploration  
 English 491DS: Seminar- Data Science for the Humanities  
 NRC 585: Intro to Geographic Information Systems  
 BIOLOGY 597GE ST-EvolutionaryGenomics&Bioinfo  
 PUBHLTH 490KR Epidemiologic Data Management & Analysis