Informatics Degree Requirements Course Planning Form

Phase 1
Classes to be completed in your first or second semester in the major

Phase 2
Classes likely to come after Phase 1 courses to be taken Sophomore or Junior year

Phase 3
More advanced courses to be completed during the Junior and Senior years

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 379: Genomics and Bioinformatics
BIO 383: 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
MARKET 497T: Special Topics- Text Mining & Analytics
OIM 350: Business Intelligence and Analytics
OIM 454: Advanced Business Analytics

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

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

Acceptable electives not yet approved by the Senate:
- COM 497DB: Survey of Digital Behavioral Data
- COMPSCI 590V: Data Visualization and Exploration
- NRC 585: Intro to Geographic Information Systems

Pick One: STAT501 Methods of Applied Stats
PUBHLTH 460: Telling Stories With Data
JOURNAL 397D: Data Driven Storytelling
OIM 350: Business Intelligence and Analytics