

COURSE PREREQUISITE LIST

A minimum grade of C- must be earned in all Benchmarks, INST Core Courses, and INST Major Electives.

BENCHMARK I (Must be completed within the first 30 credits after declaring the major)

MATH115 (or higher) ★ Precalculus

- Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility.

PSYC100 ◆ Introduction to Psychology

BENCHMARK II (Must be completed within the first 60 credits after declaring the major)

STAT100 ★ Elementary Statistics and Probability

- *Prerequisite:* MATH110, MATH112, MATH113, or MATH115; OR Must have math eligibility of STAT 100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility.
- If you have taken a course with a prerequisite of MATH 141, please see an advisor.

INST126 ★ Intro to Programming

- *Prerequisite:* Minimum grade of C- in MATH 115 or higher.
- INST 126 Equivalent Courses: A C- or higher in CMSC 106 OR other Intro to Programming course approved by the InfoSci program.
- A grade of C- or higher in CMSC 131 will fulfill the INST 126 Benchmark requirement.

INST201 ◆ Introduction to Information Science (Heroes and Villains)

- Required as *Pre- or Co-requisite* for core courses in the major.
 - Fulfills one General Education DSHS requirement.
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INST CORE COURSES (CANNOT be taken concurrently with Benchmark I)

INST311 ◆ Information Organization

- *Pre- or Co-requisite:* Minimum grade of C- in INST 201

INST314 ★ Statistics for Information Science

- *Pre-requisites:* Minimum grades of C- in MATH 115 or higher AND STAT 100 or equivalent
- *Pre- or Co-requisite:* Minimum grade of C- in INST 201
- Equivalent courses approved by the InfoSci program may fulfill this requirement. Please see an advisor.

INST326 ★ Object-Oriented Programming for Information Science

- *Pre-requisite:* Minimum grade of C- in INST 126 OR CMSC 106 OR other Intro to Programming course approved by the InfoSci program
- *Pre- or Co-requisite:* Minimum grade of C- in INST 201
- A grade of C- or higher in CMSC 131 will fulfill the INST 326 Core Course requirement.

INST327 ★ Database Design and Modeling

- *Pre-requisite:* Minimum grade of C- in INST 126 OR CMSC 106 OR CMSC 131 OR other Intro to Programming course approved by the InfoSci program
- *Pre- or Co-requisite:* Minimum grade of C- in INST 201
- Fulfills one General Education DSSP requirement.

COURSE PREREQUISITE LIST

A minimum grade of C- must be earned in all Benchmarks, INST Core Courses, and INST Major Electives.

INST CORE COURSES – CONTINUED

INST335 ◆ Organizations, Management and Team Work

- *Pre-requisite:* Minimum grade of C- in PSYC 100
- *Pre- or Co-requisite:* Minimum grade of C- in INST 201

INST346 ☆ Technologies, Infrastructures, and Architecture

- *Pre-requisites:* Minimum grades of C- in INST 326 (OR CMSC 131) AND INST 327
- *Pre- or Co-requisite:* Minimum grade of C- in INST 201

INST352 ◆ Information User Needs and Assessment

- *Pre-requisite:* Minimum grade of C- in INST 311

INST362 ● User-Centered Design

- *Pre-requisites:* Minimum grades of C- in INST 326 (OR CMSC 131) AND PSYC 100
- *Pre- or Co-requisite:* Minimum grade of C- in INST 201

INST490 ● Integrative Capstone

- *Pre-requisites:* ALL INST Core Courses (Cannot be Co-requisites)

PICK 5 MAJOR ELECTIVES OR CHOOSE A SPECIALIZATION

Prerequisites for ALL electives: PSYC100, MATH115, STAT100, INST201 and INST126

- Pick 5 major electives or 15 credits of *approved* upper level courses
- Fulfill 15 credits of major electives through a specialization below (optional)

5 INST Major Electives

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

Data Science	Cybersecurity and Privacy	Digital Curation
<p>INST354 – Decision Making for Information Science</p> <ul style="list-style-type: none"> • <i>Prerequisite:</i> Minimum grade of C- in INST314 <p>INST377 – Dynamic Web Applications</p> <ul style="list-style-type: none"> • <i>Prerequisite:</i> Minimum grade of C- in INST314 <p>INST414 – Advanced Data Science</p> <ul style="list-style-type: none"> • <i>Prerequisite:</i> Minimum grade of C- in INST314 <p>INST447 – Data Sources and Manipulation</p> <ul style="list-style-type: none"> • <i>Prerequisite:</i> Minimum grade of C- in INST326 AND INST327 <p>INST462 – Intro to Digital Visualization</p> <ul style="list-style-type: none"> • <i>Prerequisite:</i> Minimum grade of C- in INST314 	<p>(REQUIRED 3 COURSES)</p> <p>INST364 – Human-Centered Cybersecurity</p> <p>INST365 – Ethical Hacking</p> <p>INST366 – Privacy, Security, and Ethics for Big Data</p> <p>(THEN CHOOSE 2 FROM BELOW)</p> <p>INST464 – Decision-Making for Cybersecurity</p> <ul style="list-style-type: none"> • <i>Prerequisites:</i> Minimum grade of C- in INST364 and INST314 <p>INST466 – Technology, Culture, and Society</p> <p>INST467 – Practical Hacking for Policy Making</p> <p>INST408 – Special Topics (if topic is relevant, with permission of program)</p>	<p>INST341 Introduction to Digital Curation</p> <ul style="list-style-type: none"> • <i>Prerequisites:</i> Minimum grade of C- in INST201 and INST311 <p>INST441 Tools and Methods for Digital Curation</p> <ul style="list-style-type: none"> • <i>Pre- or Corequisite:</i> Minimum grade of C- in INST341 <p>INST442 Information Ethics and Policy</p> <ul style="list-style-type: none"> • <i>Prerequisites:</i> Minimum grade of C- in INST341 <p>INST443 Curation in the Sciences, Humanities, and Social Sciences</p> <ul style="list-style-type: none"> • <i>Prerequisites:</i> Minimum grade of C- in INST341 and INST441 <p>INST448 Digital Curation Research in Cultural Big Data Collections</p> <ul style="list-style-type: none"> • <i>Prerequisites:</i> Minimum grade of C- in INST341, 441

KEY:



= Non-Technical



= Technical



= Hybrid

Last Updated: 9/24/19