**STUDENT INFORMATION**

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| **Name:** | **NAU ID:** |
| **NAU E-mail Address:** | **Phone Number:** |
| **Term of Admission:** | **Expected Graduation Term/Year:** |
| **Advisor:** | **Required Credits for Degree Program: 60** |

I. **Required Coursework (41 units required)**

* **Computing and Statistics (15 units):** 
  + INF 502 and one additional graduate-level computing-intensive course (6 units)
  + INF 511 and one additional graduate-level statistical methods course (6 units)
  + One graduate-level computing or statistical method course (3 units)
* **Professional Development (6 units):** 
  + INF 605 or INF 690 (3 units)
  + Select one course from INF 604, INF 605, INF 684, and INF 690 (3 units)
* **Graduate Research (3 units):** Select one course fromINF 685 or INF 697.
* **Dissertation (17 units):** INF 799

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| **Course** | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
| INF 502 | Software Development Methodologies |  |  |  | 3 |  |  |
| INF 511 | Modern Regression I |  |  |  | 3 |  |  |
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| INF 799 | Dissertation |  |  |  |  |  |  |
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**II. Emphasis Requirements (19 units required):** Select one emphasis from the following options

* Computer Science Emphasis
* Cyber and Software Systems Emphasis
* Ecological and Environmental Informatics Emphasis
* Electrical and Computing Engineering Emphasis
* Health and Bioinformatics Emphasis

**Option 1:** **Computer Science Emphasis (19 units required)**

* CS 601 (2 units)
* INF 510 (2 units)
* CS/INF Electives (6 units) Select graduate-level CS or INF courses (except CS 500 and CS 501) relevant to computer science, as guided by research needs and advisor input
* Electives (9 units): Select additional graduate-level courses as guided by research needs and advisor input

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**Option 2: Cyber and Software Systems Emphasis (19 units required)**

* Seminar (4 units)
  + INF 510 (1-2 units)
  + CS 601, EE 698, or alternative seminars in other departments relevant to research needs (2-3 units)
* CS/EE/INF Electives (6 units): Select graduate-level CS, EE, or INF courses (except CS 500 and CS 501) relevant to cyber and software systems, as guided by research needs and advisor input
* Electives (9 units): Select additional graduate-level courses as guided by research needs and advisor input

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| **Course** | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
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**Option 3: Ecological and Environmental Informatics Emphasis (19 units required)**

* INF 550 (3 units)
* Seminar (7 units)
  + INF 623 (3 units)
  + INF 510 (1-2 units)
  + Select alternate seminars in other departments relevant to research needs (2-3 units)
* Electives (9 units): Select additional graduate-level courses relevant to ecological and environmental informatics, as guided by research needs and advisor input

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| **Course** | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
| INF 550 | Advanced Survey in Ecoinformatics Tools |  |  |  | 3 |  |  |
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**Option 4: Electrical and Computing Engineering Emphasis (19 units required)**

* INF 510 (2 units)
* EE 698 (2 units)
* EE Electives (6 units): Select graduate-level EE courses as guided by research needs and advisor input
* Electives (9 units) Select additional graduate-level courses from CS, CYB, EE, INFR, MAT, STA, or other relevant discipline as guided by research needs and advisor input

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**Option 5:** **Health and Bioinformatics Emphasis (19 units required)**

* Seminar (4 units)
  + INF 510 (1-2 units)
  + Select alternate seminars in other departments relevant to research needs (2-3 units)
* INF Electives (6 units): Select graduate-level INF courses in the areas of health or biological informatics, as guided by research needs and advisor input
* Electives (9 units): Select additional graduate-level courses as guided by research needs and advisor input

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| **Course** | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
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**Additional Requirements**

You may not use the same course to satisfy more than one degree requirement.

In addition, students must successfully complete the following requirements:

**Comprehensive qualifying examination by the end of the fourth term**

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| **Date Held:** |  |
| **Result (pass or fail):** |  |

**Advancement to candidacy examination by the end of the seventh term**

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| **Date Held:** |  |
| **Result (pass or fail):** |  |

**Dissertation Defense**

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| **Date Held:** |  |
| **Result (pass or fail):** |  |

**ADDITIONAL INFORMATION**

This degree program consists of a minimum of 60 units of study and can be completed in 5 years. Students may take more than 17 units of dissertation credit, as it is a requirement that students enroll in INF 799 each term they are preparing their dissertation. Students may also take more than 19 units of emphasis coursework, as guided by research needs and advisor input.

Students admitted to the program may be required to correct deficiencies in their preparation by taking additional undergraduate or graduate coursework, as guided by research needs and advisor direction and counsel.  
  
Some required courses in this degree program may have prerequisites that students must also complete. For specific prerequisite information, students should investigate detailed course information or discuss the issue with their advisor.

This Program of Study documents your progress on your academic requirements for the degree and catalog year listed above. For Department of Defense-related requirements, it serves as the evaluated and approved educational plan.

In addition to all University and Office of Graduate & Professional Studies (OGPS) policies, procedures, and requirements, graduate students must also adhere to the academic requirements, policies, procedures, and criteria outlined by their program’s Graduate Student Handbook.

**Students:**

You must secure official approval by your advisor and Department Chair/Director before submitting your final Program of Study for graduation.

By signing or entering your name below, you agree to the following statement:

*“Students are responsible for complete knowledge of Academic Catalog requirements in their degree plan for their catalog year and adhering to all policies in the Academic Catalog.”*

**Advisors and Chairs/Directors:**

Please indicate approval of the curriculum on the Program of Study by placing your signature (formal digital signatures are permitted) in the space provided. Plain text typed signatures will not be accepted.

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| **Student:** | **Date:** |
| **Advisor:** | **Date:** |
| **Chair:** | **Date:** |

**\*\*Transfer/Previous Graduate Degree/Internal Transfer/Accelerated (T/P/I/A)** – Must have Advisor approval

Transfer T = Course transferred from another university

Previous Graduate Degree P = Course taken at NAU from previous graduate degree

Internal Transfer I = Graduate-level course taken as undergraduate; Not applied to undergraduate degree

Accelerated Program “Dual-use” A = Courses completed during the undergraduate career and used to satisfy both the Bachelor’s and Master’s degree requirements. ONLY for designated Accelerated students.