**Table 1a: Undergraduate Program Schedule: Applied Computer Technology (NTID) – AS**

           Indicate academic calendar type: \_\_x\_Semester \_\_\_Quarter      \_\_\_ Trimester              \_\_\_Other (describe)

           Label each term in sequence, consistent with the institution’s academic calendar (e.g., Fall  1, Spring  1, Fall  2)

           Copy/expand the table as needed to show additional terms

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Term: Fall 1** | Check course classification (s) |   | **Term: Spring 1** |  (Check course classification (s) |
| **Course Number & Title** | CR | LAS | Maj | New | Prerequisite(s) |   | **Course Number & Title** | CR | LAS | Maj | New | Prerequisite(s) |
| NCAR-010 Freshman Seminar | 0 |  |  |  |  |  | Wellness Education | 0 |  |  |  |  |
| First Year LAS Elective (UWRT-100 Critical Reading and Writing required based on placement) | 3 | X |  |   |   |   | First Year Writing (UWRT-150 FYW: Writing Seminar or ISTE-110 FYW: Ethics in Computing) | 3 | X |  |   |   |
| NMTH-275  Advanced Mathematics  | 3 | X |  |  |  NMTH-212 with a C or better, or appropriate placement score |   | CIT & WMC ConcentrationsMATH-131 Discrete MathematicsHCC ConcentrationSTAT-145 Introduction to Statistics I | 43 | XX |  |  | C or better in MATH-101, or score of at least 55% on the RIT Mathematics Placement Exam |
| NACA-172 Website Development | 3 |  | X |   |   |   | NACA-161 Programming Fundamentals II | 3 |  | X |  | NACA-160 |
| CIT & WMC Concentrations\* \*\*LAS-P6 Scientific PrinciplesHCC Concentration\*\*\*LAS-P6 PSYC-101 Introduction to Psychology | 3 | X |  |  |   |   | CIT ConcentrationNSSA-102 Computer Systems ConceptsWMC & HCC ConcentrationsNMDE-111 New Media Design Digital Survey 1 | 3 |  | X |  |   |
| NACA-160 Programming Fundamentals I | 3 |  | X |  |  |   | CIT & WMC Concentrations LAS-P1 HCC ConcentrationPSYC-223 Cognitive Psychology | 33 | X | X |  |  |
| Term credit total: | 15 |  9 |  6 |                                                     |   | Term credit total: | 16/16/15^^ | 10/10/6^^ | 6/6/9^^ |   |
| **Term: Fall 2** | Check course classification (s) |   | **Term: Spring 2** | (Check course classification (s) |
| **Course Number & Title** | CR | LAS | Maj | New | Prerequisite(s) |   | **Course Number & Title** | CR | LAS | Maj | New | Prerequisite(s) |
| ISTE-121 Computational Problem Solving in the Information Domain II | 4 |  | X  |   | ISTE-120 or equivalent |   | CIT & WMC ConcentrationsMATH-161 Applied CalculusHCC ConcentrationLAS-P2 | 43 | X |  |  | C- or better in MATH-101, 111 or 131, or ALEKS MPE >=60  |
| ISTE-240 Web & Mobile II | 3 |  | X  |   | ISTE 120 and ISTE-140 or equivalent  |   | CIT & WMC ConcentrationsISTE-230 Introduction to Database and Data ModelingHCC ConcentrationPSYC-250 Research Methods I | 3 |  | X |  | ISTE-120 or equivalentPSYC-101 and STAT-145 |
| CIT ConcentrationISTE-190 Foundations of Modern Information ProcessingWMC ConcentrationISTE-260 Designing the User ExperienceHCC ConcentrationISTE-262 Foundations of Human Centered Computing | 3 |  | X |  | ISTE-140ISTE-120, ISTE-240 and NMDE-111 or equivalent course |   | CIT ConcentrationNSSA-220 Task Automation Using Interpretive LanguagesWMC ConcentrationISTE-222 Computational Problem Solving in the Information Technology Domain IIIHCC ConcentrationISTE-252 Foundations of Mobile Design | 3 |  | X | X | ISTE-121ISTE-121ISTE-240 |
| CIT and WMC ConcentrationsLAS-P2 HCC ConcentrationSTAT-146 Introduction to Statistics II | 34 | XX |  |  |   |   | LAS-P3  | 3 | X |  |  |  |
| LAS-P4  | 3 | X |  |  |  |   | CIT ConcentrationNSSA-241 Introduction to Routing and SwitchingWMC ConcentrationNSSA-290 Networking Essentials for DevelopersHCC ConcentrationLAS-P1  | 3 | X | XX |  | NSSA-102ISTE-121 |
| Term credit total: |  16/16/17^^ |  6/6/7^^ |  10 |   |   | Term credit total: | 16/16/15^^ |  7/7/9^^ | 9/9/6 |   |
|   |
| **Program Totals:** | **Credits: 63/63/62** | **Liberal Arts & Sciences: 32/32/31** | **Major: 31** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Cr:**  credits     **LAS:** liberal arts & sciences      **Maj:**  major requirement           **New:**  new course                      **Prerequisite(s):** list prerequisite(s) for the noted courses

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\*Computing and Information Technology (CIT) Concentration

\*\* Web & Mobile Computing (WMC) Concentration

\*\*\* Human-Centered Computing (HCC) Concentration

^NAIS-130 Raster and Vector Graphics AS/BS Section (only) may be substituted for NMDE-111

^^Tallies shown in sequence CIT / WMC / HCC

#Per Articulation Agreement: NACA-160 and NACT-161 are equivalent to ISTE-120; NACA-172 is equivalent to ISTE-140

NOTE: Effective as of academic year 2018-2019, the web and mobile computing concentration in the applied computer technology AS program will not be offered. Students interested in a bachelor’s degree in web and mobile computing should begin their studies through enrollment in the mobile application development AAS program.