**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 Concentrations  MATH-131 Discrete Mathematics  HCC Concentration  STAT-145 Introduction to Statistics I | 4  3 | | | X  X | | |  | |  | | 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 Principles  HCC Concentration\*\*\*  LAS-P6 PSYC-101 Introduction to Psychology | | 3 | X |  |  |  | |  | | | CIT Concentration  NSSA-102 Computer Systems Concepts  WMC & HCC Concentrations  NMDE-111 New Media Design Digital Survey 1 | 3 | | |  | | | X | |  | |  | | |
| NACA-160 Programming Fundamentals I | | 3 |  | X |  |  | |  | | | CIT & WMC Concentrations  LAS-P1  HCC Concentration  PSYC-223 Cognitive Psychology | 3  3 | | | 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 Concentrations  MATH-161 Applied Calculus  HCC Concentration  LAS-P2 | 4  3 | | | 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 Concentrations  ISTE-230 Introduction to Database and Data Modeling  HCC Concentration  PSYC-250 Research Methods I | 3 | | |  | | | X | |  | | ISTE-120 or equivalent  PSYC-101 and STAT-145 | | |
| CIT Concentration  ISTE-190 Foundations of Modern Information Processing  WMC Concentration  ISTE-260 Designing the User Experience  HCC Concentration  ISTE-262 Foundations of Human Centered Computing | | 3 |  | X |  | ISTE-140  ISTE-120, ISTE-240 and NMDE-111 or equivalent course | |  | | | CIT Concentration  NSSA-220 Task Automation Using Interpretive Languages  WMC Concentration  ISTE-222 Computational Problem Solving in the Information Technology Domain III  HCC Concentration  ISTE-252 Foundations of Mobile Design | 3 | | |  | | | X | | X | | ISTE-121  ISTE-121  ISTE-240 | | |
| CIT and WMC Concentrations  LAS-P2  HCC Concentration  STAT-146 Introduction to Statistics II | | 3  4 | X  X |  |  |  | |  | | | LAS-P3 | 3 | | | X | | |  | |  | |  | | |
| LAS-P4 | | 3 | X |  |  |  | |  | | | CIT Concentration  NSSA-241 Introduction to Routing and Switching  WMC Concentration  NSSA-290 Networking Essentials for Developers  HCC Concentration  LAS-P1 | 3 | | | X | | | X  X | |  | | NSSA-102  ISTE-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.