Table A: Applied Computer Technology (APLCMP-AAS) AY 2023-2024
*Calendar Type:* Semester

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| **Term: Fall 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAR-010 Freshman Seminar | 0 |  | 0 |  |  |  |
| NACT-150 Intro to PC Hardware | 3 |  | 3 |  |  |  |
| NACT-160 Networking Essentials | 3 |  | 3 |  |  |  |
| NACT-170 Intro to Web Development | 3 |  | 3 |  |  |  |
| General Education - Elective\* | 3 | 3 |  |  |  |  |
| General Education – Elective: NMTH-140 or above | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 15 | 6 | 9 | 0 |  |  |

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| **Term: Spring 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NACT-151 Windows Operating Systems | 3 |  | 3 |  |  | C or better in NACT-150 |
| NACT-161 Client-Server Networks | 3 |  | 3 |  |  | C or better in NACT-160 |
| NACT-155 Non-Windows Operating Systems | 3 |  | 3 |  |  | C or better in NACT-150 |
| General Education – First Year Writing: UWRT-150 FYW: Writing Seminar (WI) | 3 | 3 |  |  |  |   |
| General Education – Ethical Perspective\* | 3 | 3 |  |  |  |   |
| **Term Credit Total:** | 15 | 6 | 9 | 0 |  |  |

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| **Term: Summer 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| None |  |  |  |  |  |  |
| **Term Credit Total:** | 0 | 0 | 0 | 0 |  |  |

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| **Term: Fall 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NACT-200 Help Desk Support | 3 |  | 3 |  |  | C or better in NACT-151 and NACT-161 |
| Concentration Course CTS: NACT-253 Cloud Computing Concepts OR NCS: NACT-260 LAN WAN Design | 3 |  | 3 |  | x | (C or better in NACT 161)(C or better in NACT-161) |
| NACT-230 Introduction to Programming | 3 |  | 3 |  |  | NMTH-140 or above, and C or better in NACT-170 |
| NACT-240 The World of Work | 3 |  | 3 |  |  | C or better in NACT-155 and C or better in NACT-161 |
| General Education - Artistic Perspective\* | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 15 | 3 | 12 | 0 |  |  |

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| **Term: Spring 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NACT-295 ACT Technical Capstone  | 3 |  | 3 |  |  |  C or better in NACT-170 and C or better in NACT-200 |
| Concentration Course CTS: NACT-255 A+ Certification Prep OR NCS: NACT-261 Network Security  | 3 |  | 3 |  | x |  (C or better in NACT-200)(C or better in NACT-161) |
| NACT-235 Intro to Database Applications | 3 |  | 3 |  |  |  |
| General Education - Global Perspective\* | 3 | 3 |  |  |  |  |
| General Education - Social Perspective\* | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 15 | 6 | 9 | 0 |  |  |

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| **Term: Summer 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NACT-299 Co-op: Applied Computer Tech |  |  | 0 |  |  | NACT-240, NACT-295 |
| **Term Credit Total:** | 0 | 0 | 0 | 0 |  |  |

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| **Term: Fall 3** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| Concentration Course CTS: NACT-250 Computer and Data Security OR NCS: NACT-262 Fundamentals of System Administration | 3 |  | 3 |  |  |  (C or better in NACT-151, C or better in NACT-161 and C or better in NACT-253)(C or better in NACT-155 and C or better in NACT-260) |
| ACT Program Elective\*\* | 3 |  | 3 |  |  |  |
| ACT Program Elective\*\* | 3 |  | 3 |  |  |  |
| General Education – Scientific Principles Perspective\* | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 12 | 3 | 9 | 0 |  |  |

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|  | **Total Credits (CR)** | **General Education ( GE )** | **Major(MAJ)** | **Electives & Other****(OPEN)** |
| **Program Totals** | **72** | **24** | **48** | **0** |

***Notes:***

1. All students pursuing an Associate’s degree are also required to complete one Wellness course.
2. CTS: Computer Technical Support Concentration

NCS: Networking and Cyber Security Concentration

\*An ASL-Deaf Cultural Studies (AASASLDCS) course is required for graduation. It can be taken in any semester and can be taken at NTID or another college of RIT. In order to fulfill this requirement as part of the 72 credits in the program, it must be a course approved for *both* AASASLDCS *and* General Education - Perspective or General Education - Elective.

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| **\*\*ACT Program Electives*****Students can choose from the list of ACT elective courses below or take electives from another NTID major with approval from the ICS Department Chair.***  |
| **Course Title** | **Credits** | **Prerequisites** |
| NACT-250 Computer and Data Security§ | 3 | C or better in NACT-151, C or better in NACT 161, and C or better in NACT-253 |
| NACT-251 Digital Systems Integration§ | 3 | C or better in NACT-155, C or better in NACT-160, and C or better in NACT-230 |
| NACT-252 Server Management & Security | 3 | C or better in NACT-151, and C or better in NACT-161 |
| NACT-253 Cloud Computing Concepts§ | 3 | C or better in NACT 161 |
| NACT-255 A+ Certification Prep§ | 3 | C or better in NACT-200 |
| NACT-260 LAN WAN Design† | 3 | C or better in NACT-161 |
| NACT-261 Network Security† | 3 | C or better in NACT-161 |
| NACT-262 Fundamentals of System Administration† | 3 | C or better in NACT-155 and C or better in NACT-260  |
| NACT-265 Network+ Certification Prep | 3 | C or better in NACT-200, C or better in NACT-260, and C or better in NACT-261 |
| NACT-266 Network Defense Technologies | 3 | NACT-260, NACT-261  |
| NACT-270 Web Applications | 3 | NACT-170, NACT-230, NACT-235 |
| NACT-271 Client-Side Scripting | 3 | NACT-170, NACT-230 |
| NACT-275 Security+ Certification Prep | 3 | C or better in NACT-200, C or better in NACT-250, C or better in NACT-260, and C or better in NACT-261 |
| NACA-120 Problem Analysis and Software Development I | 4 | C or better in NMTH-212 and enrollment in APLCMP-AAS, APLCMP-AS, or MAPDD-AAS |
| NMAD-155 Survey of Emerging Visual Design | 3 | None |
| NGRP-220 Videography | 3 | None  |
| NACC-130 Personal Finance | 3 | None |
| NBUS-227 Principles of Marketing | 3 |  |
| NBUS-200 Orientation to Business | 3 | None |
| NAIS-130 Raster and Vector Graphics | 3 | None |
| NAIS-160 Web Design I | 3 | None |

§ Only students taking the NCS concentration may take this course from the CTS required curriculum as an elective

† Only students taking the CTS concentration may take this course from the NCS required curriculum as an elective

**Change Log**

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| **Effective Term** | **Curriculum Modification(s)** |
| 2225 | 2-14-23bt |
| 2221 |  |
| 2211 | New addition to the table |
| Older | 4-4-13;ssl; 4-21-15dl; 4-22-15 ph; 5-7-15mg; 4-17-17mg; 5-3-17EMOfxk; 5-30-17fxk; 9-17-18fxk(Wellness added) |