Table A: Mobile Application Development (MAPDD-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 |  |  |  |
| General Education – Elective | 3 | 3 |  |  | X |  |
| NACA-172 Website Development\*\* | 3 |  | 3 |  |  |  |
| NACA-120 Problem Analysis and Software Development I | 4 |  | 4 |  | X | Enrollment in APLCMP-AAS, APLCMP-AS, or MAPDD-AS |
| NMAD-155 Survey of Emerging Visual Design | 3 |  | 3 |  |  |  |
| **Term Credit Total:** | 13 | 3 | 10 | 0 |  |  |

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| **Term: Spring 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| General Education – First Year Writing: UWRT-150 FYW: Writing Seminar (WI) | 3 | 3 |  |  |  |  |
| General Education – Elective: NMTH-275 Advanced Mathematics | 3 | 3 |  |  |  | NMTH-212 or eq. with a C- or better, or math placement score greater than or equal to 40 |
| NACA-121 Problem Analysis and Software Development II | 4 |  | 4 |  | X | C or better in NACA-120 or NMAD-180  |
| General Education – Social Perspective\* | 3 | 3 |  |  | X |  |
| NMAD-250 Mobile User Experience | 3 |  | 3 |  |  | NMAD-155 |
| **Term Credit Total:** | 16 | 9 | 7 | 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)** |
| NMAD-260 Mobile App Development I | 4 |  | 4 |  |  | NACA-121 or NMAD-181 |
| GCIS-124 Software Development and Problem Solving II | 4 |  | 4 |  | X |  C- or better in SWEN-123 or CSEC-123 or GCIS-123 or equivalent course |
| ISTE-230 Introduction to Database and Data Modeling  | 3 |  | 3 |  | X | ISTE-120 or ISTE-200 or IGME-101 or IGME-105 or CSCI-140 or CSCI-142 or NACA-161 or NMAD-180 or BIOL-135 or GCIS-123 or equivalent course |
| NACT-240 The World of Work | 3 |  | 3 |  |  |  |
| General Education - Scientific Principles Perspective | 3 | 3 |  |  | X |  |
| **Term Credit Total:** | 17 | 3 | 14 | 0 |  |  |

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| **Term: Spring 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NMAD-261 Mobile App Development II  | 4 |  | 4 |  |  | NMAD-260 |
| ISTE-240 Web & Mobile II | 3 |  | 3 |  | X | (ISTE-120 or CSCI-140 or CSCI-141 or NACA-161 or IGME-105 or IGME-101 or NMAD-180 or GCIS-123) and (ISTE-140 or NACA-172 or IGME-230 or IGME-235) or equivalent course. |
| NMAD-252 Mobile User Interfaces | 3 |  | 3 |  | X |  NMAD-250 |
| Program Elective\*\*\* | 3 |  | 3 |  | X |  |
| General Education –Ethical Perspective\* | 3 | 3 |  |  | X |  |
| **Term Credit Total:** | 16 | 3 | 13 | 0 |  |  |

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| **Term: Summer 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NMAD-299 Mobile Application Development Co-op |  |  | 0 |  |  | NACT-240, NMAD-261, NMAD-262 |
| **Term Credit Total:** | 0 | 0 | 0 | 0 |  |  |

+47+3

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| **Term: Fall 3** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NBUS-225 Introduction to Entrepreneurship | 3 |  | 3 |  |  |  |
| Open Elective\* | 3 |  |  | 3 |  |  |
| General Education - Artistic Perspective\* | 3 | 3 |  |  |  |  |
| NMAD-290 Mobile Applications Development Capstone Projects | 3 |  | 3 |  | X | NMAD-261 and NMAD-262 or equivalent courses |
| General Education – Global Perspective | 3 | 3 |  |  | X |  |
| **Term Credit Total:** | 15 | 6 | 6 | 3 |  |  |

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|  | **Total Credits (CR)** | **General Education (GE)** | **Major(MAJ)** | **Electives & Other****(OPEN)** |
| **Program Totals** | **77** | **24** | **50** | **3** |

***Notes:***

1. All students pursuing an Associate’s degree are also required to complete one Wellness course.

\* 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 77 credits in the program, it must be a course approved for *both* AASASLDCS *and* a General Education - Perspective or General Education - Elective.

\*\*NACA-172 and ISTE-140 are equivalents

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| **\*\*\*MAD Program Electives*****Students can choose from the list of MAD elective courses below or take electives from another NTID major with approval from the ICS Department Chair.***  |
| **Course Title** | **Credits** | **Prerequisites** |
| NMAD-181 Programming Fundamentals II: Mobile Domain | 4 | NMAD-180 |
| NMAD-262 Web Services and Data Storage | 3 | NMAD-260 |
| NACT-160 Network Essentials | 3 | None |
| NACT-161 Client-Server Networks | 3 | NACT-160 |
| NACC-130 Personal Finance | 3 | None |

**Change Log**

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| --- | --- |
| **Effective Term** | **Curriculum Modification(s)** |
| 2231 | **2/14/23 bt** |
| 2221 |  |
| 2211 | New addition to the table; 10-30-20bpt |
| Older | 5-7-15ph; 4-17-17mg; 5-30-17fxk; 8-23-17del; 9-29-17del(NCC edits); 10-3-17fxk(Free Elec\*); 10-16-17(effective term); 9-26-18dl; 2-28-2019dl(NBUS-225) |