Table A: 3D Graphics Technology (3DGT-AAS) AY 2022 -2023
*Calendar Type:* Semester

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| **Term: Fall 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NAIS-130 Raster and Vector Graphics | 3 |  | 3 |  |  |  |
| N3DG-100 Design Drawing  | 3 |  | 3 |  |  |  |
| N3DG-110 Basic 3D Modeling  | 3 |  | 3 |  |  |  |
| NCAR-010 Freshman Seminar | 0 |  | 0 |  |  |  |
| General Education – Elective(2) | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 12 | 3 | 9 | 0 |  |  |

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| **Term: Spring 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NAIS-120 Principles of Design and Color | 3 |  | 3 |  |  |  |
| N3DG-115 Intermediate 3D Modeling and Techniques  | 3 |  | 3 |  |  | N3DG-100, N3DG-110 |
| N3DG-140 3D Lighting and Materials | 3 |  | 3 |  |  | N3DG-100, N3DG-110 |
| General Education – First Year Writing: UWRT-150 FYW: Writing Seminar | 3 | 3 |  |  |  |  |
| General Education – Elective: NMTH-140 Mathematics in Society or higher  | 3 | 3 |  |  | X |  |
| **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)** |
| Program Elective(3)  | 3 |  | 3 |  | X |  |
| N3DG-210 Advanced 3D Modeling and Techniques | 3 |  | 3 |  |  | N3DG-115 |
| N3DG-220 Principles of 4D Design | 3 |  | 3 |  | X | N3DG-115 or C or better in NAIS-140 |
| NAIS-201 Employment Seminar | 3 |  | 3 |  |  | Second year program status |
| General Education – Artistic Perspective: ARTH-135 History of Western Art: Ancient to Medieval | 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)** |
| Program Elective(3)  | 3 |  | 3 |  | X |  |
| N3DG-225 3D Motion | 3 |  | 3 |  |  | N3DG-220 |
| N3DG-230 3D Printing  | 3 |  | 3 |  |  | N3DG-210  |
| N3DG-260 Professional Practices  | 3 |  | 3 |  |  | NAIS-201 |
| General Education – Global Perspective: ARTH-136 History of Western Art: Renaissance to Modern  | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 15 | 3 | 12 | 0 |  |  |

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| **Term: Summer 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NAIS-299 Co-op: Visual Communications Studies |  |  | 0 |  | X | NAIS-201 |
| **Term Credit Total:** | 0 | 0 | 0 | 0 |  |  |

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| **Term: Fall 3** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| N3DG-270 Capstone | 3 |  | 3 |  |  | NAIS-299  |
| NAIS-292 Portfolio Workshop | 3 |  | 3 |  | X | Second year status or above in major |
| General Education – Ethical Perspective(2) | 3 | 3 |  |  |  |  |
| General Education – Social Perspective(2) | 3 | 3 |  |  |  |  |
| General Education – Scientific Principles Perspective  | 3 | 3 |  |  | X |  |
| **Term Credit Total:** | 15 | 9 | 6 | 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. 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* a General Education - Perspective.

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| (3) Electives for 3D Graphics TechnologyChoose from the following list of courses, or by departmental approval |  |
| Course Number & Title | CR | Prerequisite(s) |
| NGRD-211 Drawing II | 3 | NGRD-111 |
| NGRD-257 Animation | 3 | N3DG-220 |
| NGRD-258 Cartooning | 3 | - |
| NGRP-220 Videography | 3 | - |
| NGRP-110 Digital Photography I | 3 | - |
| NGRP-210 Digital Photography II | 3 | NGRP-110 |
| NAIS-160 Web Design I | 3 | - |
| NGRP-260 Web Design II | 3 | NAIS-160 |
| NGRP-232 Image Manipulation | 3 | C or better in NAIS-130 |
| NAIS-140 Graphic Design and Typography I | 3 | NAIS-120 or NGRP-120; C or better in NAIS-130 |
| NAIS-150 Page Layout I | 3 | - |
| NAIS-199 Independent Study – Visual Communications Studies | 1-3 | Department permission  |
| NAIS-289 Special Topics – Visual Communications Studies | 1-5 |  - |

**Change Log**

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| **Effective Term** | **Curriculum Modification(s)** |
| 2221 | **1-11-22fxk(clerical-remove ‘NSCI-120 or higher’); 2/15/2022er** |
| 2211 | New addition to the table |
| Older | 4-17-17mg, 5-30-17fxk, 9-5-18fxk(Wellness) |