Table A: Architectural and Civil Drafting Technology (CADTEC-AOS) AY 2024-2025
*Calendar Type:* Semester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term: Fall 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-112 Computing Tools for Engineering Technology | 3 |  | 3 |  |  |  |
| NCAD-150 Engineering Graphics in AEC | 3 |  | 3 |  |  |  |
| NTID General Education – Elective(2) | 3 | 3 |  |  | X |  |
| NTID General Education Foundation – Mathematics: NMTH-212 Integrated Algebra or higher | 3 | 3 |  |  |  | C- or better in NMTH-180 or equivalent course or math placement score equal to 30 or 35 |
| NCAR-010 Freshman Seminar | 0 |  | 0 |  |  |  |
| **Term Credit Total:** | 12 | 6 | 6 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term: Spring 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-170 Construction CAD I | 3 |  | 3 |  |  |  |
| NCAD-108 Data Collection & Analysis | 3 |  | 3 |  |  |  NCAD-150 or equivalent course. |
| NCAD-180 Civil Technology Graphics | 3 |  | 3 |  |  |  NCAD-150 or equivalent course. |
| NMTH-220 Trigonometry | 3 |  | 3 |  |  |  NMTH-212 or higher or math placement score equal to 40 or equivalent course. |
| NTID General Education – Elective(2) | 3 | 3 |  |  | X |  |
| **Term Credit Total:** | 15 | 3 | 12 | 0 |  |  |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term: Fall 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-220 Construction CAD II | 3 |  | 3 |  |  | NCAD-108 and NCAD-170 or equivalent courses. |
| NCAD-255 Construction Materials and Methods I | 3 |  | 3 |  |  | NCAD-108 and NCAD-170 or equivalent courses. |
| NCAD-275 Principles of Structural Systems | 3 |  | 3 |  |  | NCAD-108 and NCAD-170 or equivalent courses. |
| NTID General Education – Scientific Processes Perspective: NSCI-154 Physics of Matter | 3 | 3 |  |  |  | NMTH-180 or above |
| NCAD-201 Job Search Process for CADT | 3 |  | 3 |  |  |  |
| **Term Credit Total:** | 15 | 3 | 12 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term: Spring 2**  |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-230 Construction CAD III  | 3 |  | 3 |  |  | NCAD-220 and NCAD-255 or equivalent courses. |
| NCAD-265 Construction Materials and Methods II | 3 |  | 3 |  |  | NCAD-255 or equivalent course.  |
| NCAD-285 MEP Systems | 3 |  | 3 |  |  | NCAD-220 or equivalent course. |
| NCAD-245 Energy Modeling for Sustainable Construction  | 3 |  | 3 |  |  | NCAD 220 or equivalent course. |
| **Term Credit Total:** | 12 | 0 | 12 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term: Summer 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-299 Co-op: CADT | 0 |  | 0 |  |  | NCAD-201 |
| **Term Credit Total:** | 0 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term: Fall 3** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-240 Advanced Construction CAD | 3 |  | 3 |  |  | NCAD-230, NCAD-265, NCAD-275, and NCAD-285, or equivalent courses. NCAD-250 or equivalent course (co-req) |
| NCAD-250 Presentation Graphics | 3 |  | 3 |  |  | NCAD-240 or equivalent course (co-req) |
| Technical Elective(4) | 3 |  | 3 |  |  |  |
| NTID General Education – Perspective(3) | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 12 | 3 | 9 | 0 |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Total Credits (CR)** | **General Education (GE)** | **Major(MAJ)** | **Electives & Other****(OPEN)** |
| **Program Totals** | **66** | **15** | **51** | **0** |

***Notes:***

1. All students pursuing an Associate’s degree are also required to complete one Wellness course.
2. Students can apply any course with the NTID AOS Foundation (Career English; Mathematics) or AOS Perspective (Scientific Processes; ASL/Deaf Cultural Studies; Communication, Social, and Global Awareness; Creative and Innovative Exploration) designation toward the NTID General Education – Elective allowance. Students who place into NENG-104 Literacies I, NENG-114 Literacies II, or NENG-115 Literacies III must take as many of these courses as necessary to complete NENG-115. NMTH-110 Prealgebra and NENG-104 Literacies I are not designated as NTID AOS Foundation or Perspectives courses and therefore cannot be applied toward the NTID General Education – Elective allowance.
3. NTID General Education - Perspective courses may be from any of these three Perspective course categories: ASL-Deaf Cultural Studies; Communication, Social & Global Awareness; and Creative and Innovative Exploration.

|  |
| --- |
| **(4) Technical Electives*****Choose one from the following list of courses, or by departmental approval*** |
| CVET-140CVET-141 | Materials of Construction (permission required) (co-req. CVET-141 or equivalent course)Materials of Construction Laboratory (permission required) (co-req. CVET-140 or equivalent course) |
| CVET-160CVET-161 | Surveying (permission required) (co-req. CVET-161 or equivalent course)Surveying Laboratory (permission required) (co-req. CVET-160 or equivalent course) |
| NAIS-120  | Principles of Design and Color |
| NAIS-130  | Raster and Vector Graphics |
| NCAD-280 | GIS Fundamentals |
| PRFN-203 | Scenic and Lighting Technology |
| PRFN-218 | Theatre Practicum-Lighting (permission required from dept offering the course) |
| PRFN-218 | Theatre Practicum-Set Construction (permission required from dept offering the course) |

**Change Log**

|  |  |
| --- | --- |
| **Effective Term** | **Curriculum Modification(s)** |
| 2241 | Replacement of Career English I and II with NTID AOS General Education electives (explanatory footnote added) |
| 2221 | 11/18/21ms/mal(Clerical-update COS mat pre-reqs); 4/1/22fxk(clerical) |
| 2211 | New addition to the table |
| Older | 4-4-13ssl; 2-19-15ph; 4-2-15jrf; 4-22-15jrf; 4-22-15ph; 4-28-15mg; 8-4-15mg; 4-17-17mg; 5-30-17fxk; 11/17/17djl; 3/15/19djl |