Table A: Architectural and Civil Drafting Technology (CADTEC-AOS) AY 2022-2023  
*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 Foundation – Career English: NENG-212 Career English I | 3 | 3 |  |  |  | NENG-113 or equivalent course. |
| 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 Foundation – Career English: NENG-213 Career English II | 3 | 3 |  |  |  | NENG-212 or equivalent course. |
| **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(3) | 3 |  | 3 |  |  |  |
| NTID General Education - Perspective(2) | 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. 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.

|  |  |
| --- | --- |
| **(3) Technical Electives**  ***Choose one from the following list of courses, or by departmental approval*** | |
| NAIS-120 | Principles of Design and Color |
| NAIS-130 | Raster and Vector Graphics |
| PRFN-203 | Scenic and Lighting Technology |
| PRFN-218 | Theatre Practicum-Lighting |
| PRFN-218 | Theatre Practicum-Set Construction |
| CVET-140  CVET-141 | Materials of Construction (permission required)  Materials of Construction Laboratory (permission required) |
| CVET-160  CVET-161 | Surveying (permission required)  Surveying Laboratory (permission required) |
| NCAD-280 | GIS Fundamentals |

**Change Log**

|  |  |
| --- | --- |
| **Effective Term** | **Curriculum Modification(s)** |
| 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 |