Table A: Civil Technology (CVTC-AAS) AY 2023-2024
*Calendar Type:* Semester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term: Fall 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-150 Engineering Graphics in AEC | 3 |  | 3 |  |  |  |
| NCAD-255 Construction Materials and Methods I | 3 |  | 3 |  |  | NCAD-108 and NCAD-170 or equivalent courses. |
| General Education - Elective | 3 | 3 |  |  |  |  |
| General Education - Elective: NMTH-275 Advanced Mathematics | 3 | 3 |  |  |  | NMTH-212 or equivalent course with a grade of C- or better or a math placement score greater than or equal to 40. |
| Program Elective(2) | 3 |  | 3 |  |  |  |
| NCAR-010 Freshman Seminar | 0 |  | 0 |  |  |  |
| **Term Credit Total:** | 15 | 6 | 9  | 0  |  |  |

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| **Term: Spring 1** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| NCAD-180 Civil Technology Graphics | 3 |  | 3 |  |  | NCAD-150 or equivalent course. |
| General Education – First Year Writing: UWRT-150 FYW: Writing Seminar (WI) | 3 | 3 |  |  |  |  |
| MATH-171 Calculus A | 3 |  | 3 |  |  |  Completion of math placement exam or C- or better in MATH-111 or C- or better in ((NMTH-260 or NMTH-272 or NMTH-275) and NMTH-220) or equivalent course. |
| General Education – Scientific Principles Perspective: PHYS-111 College Physics I | 4 | 4 |  |  |  |  |
| General Education – Ethical Perspective | 3 | 3 |  |  |  |   |
| **Term Credit Total:** | 16 | 10 | 6 | 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)** |
| CVET-160 Surveying | 3 |  | 3 |  |  | Co-requisite CVET-161 or equivalent course. |
| CVET-161 Surveying Laboratory | 1 |  | 1 |  |  | Co-requisite CVET-160 or equivalent course. |
| MCET-220 Principles of Statics(3) | 3 |  | 3 |  |  |  |
| MATH-172 Calculus B | 3 |  | 3 |  |  | C- or better in MATH-171 or equivalent course.  |
| PHYS-112 College Physics II | 4 |  | 4 |  |  | PHYS-111 or equivalent course.  |
| General Education – Artistic Perspective | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 17 | 3 | 14 | 0 |  |  |

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| **Term: Spring 2** |  |  |  |  |  |  |
| **Course Number & Title** | **CR** | **GE** | **MAJ** | **OPEN** | **NEW** | **Prerequisite(s)** |
| CVET-170 Elements of Building Construction | 3 |  | 3 |  |  | This course is restricted to CVET-BS or CONMGT-MN students |
| MCET-221 Strength of Materials(3) | 3 |  | 3 |  |  | Grade of C- or better in MCET-220 or MECE-103 or CVET-210 or equivalent course. co-req. MCET-110 or NETS-110 or equivalent course. |
| CHMG-141 General & Analytical Chemistry I | 3 |  | 3 |  |  |  |
| CHMG-145 General & Analytical Chemistry I Lab | 1 |  | 1 |  |  | Co-requisite CHMG-141 or CHMG-131 or equivalent course. |
| General Education – Global Perspective | 3 | 3 |  |  |  |  |
| General Education – Social Perspective | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 16 | 6 | 10 | 0 |  |  |

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|  | **Total Credits (CR)** | **General Education (GE)** | **Major(MAJ)** | **Electives & Other****(OPEN)** |
| **Program Totals** | **64** | **25** | **39** | **0**  |

***Notes:***

1. All students pursuing an Associate’s degree are also required to complete one Wellness course.
2. The elective in the first semester is typically based on science, mathematics, or English placement. The course may include Critical Reading & Writing (UWRT-100), Concepts of College Physics (NSCI-270), or another course as determined by the department chairperson.
3. If possible, students are encouraged to take the CVET courses in Statics (CVET-210) and Strength of Materials (CVET-220), rather than the MCET courses listed above (MCET-220 & MCET-221) for the AAS degree. However, the CVET-BS program will accept the MCET courses as substitutes, as shown above.

**Change Log**

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| --- | --- |
| **Effective Term** | **Curriculum Modification(s)** |
| 2221 | 11/18/21ms/mal(Clerical-update COS mat pre-reqs); 4/1/22fxk(clerical); 4/28/22(MCET-221sch) |
| 2211 | New addition to the table |
| Older | 3/27/15ph; 4/2/2015jrf; 4/28/15mg; 6/26/15ph; 4-17-17mg; 5-30-17fxk |