Table A: Civil Technology (CVTC-AAS) AY 2021-2022
*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 |  |  |  |
| General Education - Elective | 3 | 3 |  |  |  |  |
| General Education - Elective: NMTH-275 Advanced Mathematics | 3 | 3 |  |  |  |  |
| Program Elective | 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 |
| General Education – First Year Writing: UWRT-150 FYW: Writing Seminar (WI) | 3 | 3 |  |  |  |  |
| MATH-171 Calculus A | 3 |  | 3 |  |  |  |
| 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 |
| CVET-161 Surveying Laboratory | 1 |  | 1 |  |  | Co-requisite CVET-160 |
| MCET-220 Principles of Statics | 3 |  | 3 |  |  | PHYS-111 |
| MATH-172 Calculus B | 3 |  | 3 |  |  | MATH-171 |
| PHYS-112 College Physics II | 4 |  | 4 |  |  | PHYS-111 |
| 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 |  |  |   |
| MCET-221 Strength of Materials | 4 |  | 4 |  |  | MCET-220 |
| CHMG-141 General & Analytical Chemistry I | 3 |  | 3 |  |  | Co-requisite CHMG-145 |
| CHMG-145 General & Analytical Chemistry I Lab | 1 |  | 1 |  |  | Co-requisite CHMG-141 |
| General Education – Global Perspective | 3 | 3 |  |  |  |  |
| General Education – Social Perspective | 3 | 3 |  |  |  |  |
| **Term Credit Total:** | 17 | 6 | 11 | 0 |  |  |

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| --- | --- | --- | --- | --- |
|  | **Total Credits (CR)** | **General Education (GE)** | **Major(MAJ)** | **Electives & Other****(OPEN)** |
| **Program Totals** | **65** | **25** | **40**  | **0**  |

***Notes:***

1. All students pursuing an Associate’s degree are also required to complete one Wellness course.
2. 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.
3. 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.

Revision Log:

Table 1a: 3/27/15ph; 4/2/2015jrf; 4/28/15mg; 6/26/15ph; 4-17-17mg; 5-30-17fxk

Table A (starting AY20-21)