**Table 1a:  Undergraduate Program Schedule: Applied Mechanical Technology (NTID) – AAS**

           Indicate academic calendar type: \_\_x\_Semester \_\_\_Quarter      \_\_\_ Trimester              \_\_\_Other (describe)

           Label each term in sequence, consistent with the institution’s academic calendar (e.g., Fall  1, Spring  1, Fall  2)

           Copy/expand the table as needed to show additional terms

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| **Term: Fall 1** | | | Check course classification (s) | | | |  | **Term: Spring 1** | | | | (Check course classification (s) | | | | | | |
| **Course Number & Title** | | CR | LAS | Maj | New | Prerequisite(s) |  | **Course Number & Title** | | | CR | LAS | Maj | New | Prerequisite(s) | | | |
| NCAR-010 Freshman Seminar | | 0 |  |  |  |  |  | Wellness Education | | | 0 |  |  |  |  | | | |
| NETS-101 Fundamentals of Engineering | | 3 |  | ✓ |  |  |  | NETS-120 Manufacturing Processes | | | 3 |  | ✓ |  |  | | | |
| NETS-110 Foundations of Materials | | 2 |  | ✓ |  | Co-req NETS-111 |  | NETS-150 Mechanical Design & Fabrication | | | 3 |  | ✓ |  | Co-req NETS-151 | | | |
| NETS-111 Foundations of Materials Lab | | 1 |  | ✓ |  | Co-req NETS-110 |  | NETS-151 Mechanical Design & Fabrication Lab | | | 1 |  | ✓ |  | Co-req NETS-150 | | | |
| General Education Elective: MATH-171 Calculus A | | 3 | ✓ |  |  |  |  | MATH-172 Calculus B | | | 3 | ✓ |  |  |  | | | |
| UWRT-100 Critical Reading and Writing | | 3 |  | ✓ |  |  |  | General Education Scientific Principles Perspective: PHYS-111 College Physics I | | | 4 | ✓ |  |  |  | | | |
| General Education Elective: CHMG-131 General Chemistry for Engineers | | 3 | ✓ |  |  |  |  | UWRT-150 First Year Writing Seminar | | | 3 | ✓ |  |  |  | | | |
| Term credit total: | | 15 | 6 | 9 |  | |  | Term credit total: | | | 17 | 10 | 7 |  | | | | |
| **Term: Fall 2** | | | Check course classification (s) | | | |  | **Term: Spring 2** | | | | (Check course classification (s) | | | | | | |
| **Course Number & Title** | | CR | LAS | Maj | New | Prerequisite(s) |  | **Course Number & Title** | | | CR | LAS | Maj | New | Prerequisite(s) | | | |
| MCET-220 Principles of Statics | | 3 |  | ✓ |  | PHYS-111 |  | MCET-221 Strength of Materials | | | 4 |  | ✓ |  | MCET-220 | | | |
| MCET-210 Foundations of Non-metallic Materials | | 2 |  | ✓ |  | NETS-110/111, CHMG-131; co-req. MCET-211 |  | EEET-215 Circuits and Electronics | | | 2 |  | ✓ |  | MATH-111 or higher; co-req. EEET-216 | | | |
| MCET-211 Characterization of Non-metallic Materials Lab | | 1 |  | ✓ |  | NETS-110/111; co-req. MCET-210 |  | EEET-216 Circuits and Electronics Laboratory | | | 1 |  | ✓ |  | Co-req. EEET-215 | | | |
| PHYS-112 College Physics II | | 4 | ✓ |  |  | PHYS-111 |  | MATH-211 Elements of Multivariable Calculus and Differential Equations | | | 3 |  | ✓ |  | MATH-172 | | | |
| General Education Artistic Perspective | | 3 | ✓ |  |  |  |  | General Education Global Perspective | | | 3 | ✓ |  |  |  | | | |
| General Education Ethical Perspective | | 3 | ✓ |  |  |  |  | General Education Social Perspective | | | 3 | ✓ |  |  |  | | | |
| Term credit total: | | 16 | 10 | 6 |  | |  | Term credit total: | | | 16 | 6 | 10 |  | | | | |
| **Term:** | | | Check course classification (s) | | | |  | **Term:** | | | | Check course classification (s) | | | | | | |
| **Course Number & Title** | | CR | LAS | Maj | New | Prerequisite(s) |  | **Course Number & Title** | | | CR | LAS | Maj | New | Prerequisite(s) | | | |
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|  | |  |  |  |  | |  | Term credit total: | | | 0 | 0 | 0 |  | | | | |
| **Program Totals:** | **Credits: 64** | | | | **Liberal Arts & Sciences: 32** | | | | **Major: 32** | **Elective & Other: 0** | | | | | |

**Cr:**  credits     **LAS:** liberal arts & sciences      **Maj:**  major requirement           **New:**  new course                      **Prerequisite(s):** list prerequisite(s) for the noted courses