|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Student Name (First Last):       Staff Initials:       Date: | | | | | |
| Nondestructive Testing (NDT) AAT and AAS-T Degree | | | | | |
| Associate of Applied Technologies Degree (AAT) and Associate of Applied Science – T Degree (AAS-T) | | | | | |
| **Admissions Date:** Fall and Spring quarters. | | | | | |
| **Contact email:** michael.gilmore@cptc.edu **Program Counselor:** taylor.mcgovern@cptc.edu | | | | | |
| **Prerequisites:** Successful completion of ENG 91, or equivalent placement.  Program also requires successful completion of MAT 92 by the end of the first quarter of the program or Instructor approval.  ***NOTE: College level math must be completed prior to the 4th quarter.*** | | | | | |
| Choose AAT or AAS-T Degree Option: | | | **Credits** | | **Quarter Taken** |
| ***AAT Required General Education Courses*** | | | | | |
| COLL 102 College Success for All | | | 3 | |  |
| ENGL& 101 English Composition ***or***CMST& 220 *or higher* ***(pre-req ENG 094 or equivalent)*** | | | 5 | |  |
| PSYC& 100DIV , **or** SOC& 101DIV , or PSYC& 112DIV ***(pre-req ENG 094 or equivalent)*** | | | 5 | |  |
| Any 100 Level Math Class ***(pre-req MAT 092 or equivalent)***  C | | | 5 | |  |
| Any course that meets the computer literacy requirement (Or successfully pass the computer literacy  exam). For more information go to: [www.cptc.edu/computer literacy](http://www.cptc.edu/computerliteracy) | | | 3 | |  |
| ***AAT Required General Education Courses Total Credits*** | | | ***21*** | |  |
| AAS-T Required General Education Courses | | | | | |
| COLL 102 College Success for All | | | 3 | |  |
| ENGL& 101 English Composition ***(pre-req ENG 094 or equivalent)*** | | | 5 | |  |
| PSYC& 100DIV **or** SOC& 101DIV ***(pre-req ENG 094 or equivalent)*** | | | 5 | |  |
| **2nd social science, humanities, or science; choose one from the following:**  ART& 100, ASL& 121, ASL& 122, BIOL& 160, BIOL& 175, BIOL& 241, BIOL& 242, BIOL&260,  CHEM&110,CHEM& 121, CHEM& 131, GEOL& 110, HIST& 137, HUM& 101, MUSC& 105, PHYS& 114,  POLS& 202, PSYC& 100, PSYC& 200, PSYC& 220, SOC& 101. | | | 5 | |  |
| MATH&141, or MATH& 146, or higher ***(pre-req MAT 099 or equivalent)*** | | | 5 | |  |
| Any course that meets the computer literacy requirement (Or successfully pass the computer literacy exam). For more information go to: [www.cptc.edu/computer literacy](http://www.cptc.edu/computerliteracy) | | | 3 | |  |
| ***AAS-T Required General Education Courses Total Credits*** | | | ***26*** | |  |
| ***\*Indicates a course appropriate for a first-quarter student*** | | | | | |
| Technical Program Courses | | | **Credits** | | **Quarter Taken** |
| **Qtr. 1**  **Fall/Spring** | NDT 108 Introduction to NDT\* | | 5 | |  |
| NDT 113 Materials and Process for NDT I\* | | 5 | |  |
| NDT 121 Materials and Process for NDT II \* | | 5 | |  |
| NDT 185 Physics for Nondestructive Testing Majors ***(pre-req MAT 099 or equivalent)***  (Note NDT 185 Must be completed prior to 4th quarter only offered Fall and Spring Qtrs) | | 5 | |  |
| Qtr. 2  Winter/Sum | MS 123 Fundamentals of Welding for the Non-Welding Major  5 | | 5 | |  |
| MS 126 Fundamentals of Composites for the Non-Composite Tech  4 | | 4 | |  |
| MS 131 Blueprint Reading Fundamentals  3 | | 3 | |  |
| Qtr. 3  Fall/Spring | NDT 120 Visual & Optical Testing | | 5 | |  |
| NDT 125 Magnetic Particle Testing | | 5 | |  |
| NDT 130 Liquid Penetrant Testing | | 5 | |  |
| **Reminder NDT 185 and College Level Math Must be completed prior to 4th Qtr)** | |  | |  |
|  |  | |  | |  |
|  |  | |  | |  |
| Summer | NDT 140 Eddy Current Testing I (**Pre-req** NDT 185 Physics for NDT) | | 5 | |  |
| NDT 170 Eddy Current Testing II | | 5 | |  |
| NDT 210 Eddy Current Testing III | | 5 | |  |
| NDT 240 Capstone Project or NDT 250 NDI Internship (11 cr.) \* In Last Quarter of Program | | 3 | |  |
| Winter | NDT 150 Ultrasonic Testing I (**Pre-req** NDT 185 Physics for NDT) | | 5 | |  |
| NDT 180 Ultrasonic Testing II | | 5 | |  |
| NDT 220 Ultrasonic Testing III | | 5 | |  |
| NDT 240 Capstone Project or NDT 250 NDI Internship (11 cr.) \* In Last Quarter of Program | | 3 | |  |
| Fall/Spring | NDT 160 Radiographic Testing I (**Pre-req** NDT 185 Physics for NDT) | | 5 | |  |
| NDT 190 Radiographic Testing II | | 5 | |  |
| NDT 230 Radiographic Testing III | | 5 | |  |
| ***Material Science Nondestructive Testing Technical Program Courses Credits*** | | | ***95*** | |  |
| ***Total Credits for Completion*** | | |  | | ***121-126*** |
| **Identify additional preparatory math or English courses you may need to take: If placement scores are below English 91 and/or Math 92, contact the Adult Basic Education (ABE) for classes, Building 10 (253) 589-5702** | | | | | |
| **Developmental Math** | | | | | |
| * MAT 092 Pre-Algebra ***(must complete prior to MAT 105, MAT 103)*** | | 5 | |  | |
| * MAT 094 Introduction to Algebra | | 5 | |  | |
| * MAT 99 Intermediate Algebra ***(must complete prior to MAT 110, MATH& 141, MATH& 146)*** | | 5 | |  | |
| **Developmental English** | | | | | |
| * ENG 091 Basic Reading & Writing | | 5 | |  | |
| * ENG 094 Advanced Reading & Writing | | 5 | |  | |

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| Quarterly Self Planning Grid | | | |
| **Quarter 1** | **Quarter 2** | **Quarter 3** | **Quarter 4** |
| Class: | Class: | Class: | Class: |
| Class: | Class: | Class: | Class: |
| Class: | Class: | Class: | Class: |
| Class: | Class: | Class: | Class: |
| **Quarter 5** | **Quarter 6** | **Quarter 7** | **Quarter 8** |
| Class: | Class: | Class: | Class: |
| Class: | Class: | Class: | Class: |
| Class: | Class: | Class: | Class: |
| Class: | Class: | Class: | Class: |
| **Notes:** | | | |

***\*Please check in periodically with Advising and Counseling regarding any potential changes to program course requirements.***