#### Student Name (First, Last):       Staff Initials:       Date:

|  |
| --- |
| Architectural Engineering Design AAS-T Degree  |
| Associate of Applied Science –T Degree (AAS-T)  |
| **Admissions Date:** Fall and Spring quarters. |  |  |  |  |  |  |
| **Instructor contact email:** poppy.bushnell@cptc.edu **- or-** rasha.al-tameemi@cptc.edu**Program Counselor:** annemarie.solbrack@cptc.edu |  |  |  |
| **Prerequisites:** ***Completion of ENG 91 and MAT 92 or equivalent placement.*** *Computer skills are highly recommended prior to starting ARC courses.* **NOTE:** ***Students must complete MAT 99 –or- Mat 103 or higher prior to 5th quarter Architectural courses.***  |
|  |
| General Education Course Requirements |  |  |
|  **AAS-T** Required General Education Course Requirements | **Credits** |  |
|  **COLL 102 College Success For All** *(required to be completed 1st quarter)* | 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, science, or humanities** | 5 |       |
|  **(choose 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, HUM& 101, MUSC& 105, PHYS& 114, POLS& 202,  PSYC& 100, PSYC& 200, PSYC& 220, SOC& 101. |
| **MATH& 141 Pre-calculus I (Preferred)** –*or other transferable math course (pre-req MAT 099 or equivalent)* | 5 |       |
|  ***AAS-T Required General Education Courses Total Credits*** | ***23*** |  |
|  |  |  |
| ***\*\*\*Indicates a course appropriate for a first-quarter ARC student*** |  |  |
| Program Courses | **Credits** |  |
| Qtr. 1**FALL/SPRG**      |  ARC 120 Architectural Drafting and Design I \*\*\* | 4 |       |
|  ARC 171 Drafting Technologies I\*\*\* | 5 |       |
|  ARC 183CL Introduction to AutoCAD\*\*\* | 4 |       |
|  **COLL 102 College Success for All** | 3 |       |
| Qtr. 2 SUM/WINTR       |  ARC 124 Residential Drafting and Design II *(pre-req ARC 120, ARC 171, ARC 183)* | 5 |       |
|  ARC 150 Construction Materials Research *(pre-req ARC 120, ARC 171, ARC 183)* | 4 |       |
|  ARC 175 Civil Engineering *(pre-req ARC 120, ARC 183)* | 4 |       |
|  **ENGL& 101 English Composition** | 5 |       |
| Qtr.3 FALL/SPRG      |  ARC 126 Residential Drafting and Design III *(pre-req ARC 124)* | 5 |       |
|  ARC 146 Detailing & Light Construction *(pre-req ARC 124)* | 4 |       |
|  ARC 262 Intro to 3D Modeling *(pre-req ARC 183)* | 3 |       |
|  **MATH& 141 Pre-calculus I** (Preferred) –*or**other transferable math course* | 5 |       |
| Qtr.4 SUM/WINTR      |  ARC 282 Introduction to Building Information Modeling *(pre-req ARC 262)* | 5 |       |
|  ARC 192 Engineering Mechanics of Materials *(pre-req ARC 126 AND MAT 94 or higher)*  | 4 |       |
|  ARC 219 Residential Drafting and Design IV *(pre-req ARC 126)* | 4 |       |
|  **PSYC& 100DIV General Psychology , or SOC& 101DIV Intro to Sociology** | 5 |       |
| Qtr. 5FALL/SPRG      |  ARC 223 Design Project I *(pre-req ARC 183, ARC 219 and ARC 262)*  | 5 |       |
|  ARC 293 Engineering Statics *(pre-req – ARC 192 , AND MAT 99, MAT 103, or higher)*  | 5 |       |
|  ARC 286 Advanced Building Information Modeling *(pre-req ARC 282)* | 5 |       |
|  ARC 255 Employment Research | 1 |       |
|  **2nd Social Science, Science or humanities (see list above)** | 5 |       |
| ***Continues on page 2*** |
|  |
| *Continued from page 1* |
| Qtr. 6 SUM/WINTR      |  ARC 225CAP Design Project II *(pre-req ARC 223 and ARC 286)* | 5 |       |
|  ARC 231 Cost Estimating *(pre-req ARC 223)* | 3 |       |
|  ***Choose one 5 credit elective Course from the list of electives below:*** | 5 |       |
|  -ARC 227 Special Intern Project *(Instructor permission required)* |   |  |
| -Or- ARC 229 Special Design Project *(pre-req ARC 262, ARC 286)*  |  |  |
| -Or- ARC 288CL Applied AutoCAD *(pre-req ARC 262, ARC 223, ARC 282)* |  |  |
| **2nd Social Science, Science, or Humanities** | 5 |       |
|  **(choose 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, HUM& 101, MUSC& 105,  PHYS& 114, POLS& 202,PSYC& 100, PSYC& 200, PSYC& 220, SOC& 101. |  |  |
|  |  |  |  |
| ***Total Credits for Completion*** | ***103*** |
|  |
| **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 Pathway** | Credits | Taken |
| * MAT 092 Pre-Algebra
 | 5 |       |
| * MAT 094 Introduction to Algebra
 | 5 |       |
| * MAT 99 Intermediate Algebra ***(must complete prior to MATH& 141, MATH& 146)***
 | 5 |       |
| **Developmental English** | Credits | Taken |
| * ENG 091 Basic Reading & Writing
 | 5 |       |
| * ENG 094 Advanced Reading & Writing
 | 5 |       |
|  |
| 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:       |
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| Class:            | Class:       | Class:       | Class:       |
| Notes:       |

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