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

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| 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](mailto:poppy.bushnell@cptc.edu) **- or-** rasha.al-tameemi@cptc.edu  **Program Counselor:** [annemarie.solbrack@cptc.edu](mailto: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.*** | | | | | | | | | | | | | | |
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| 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. 5  FALL/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. | | | | | | | | | |  | | |  |
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| ***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** | | | | | |
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| **Quarter 5** | | **Quarter 6** | **Quarter 7** | | | | | | | **Quarter 8** | | | | | |
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| Notes: | | | | | | | | | | | | | | | |

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