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

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| Architectural Engineering Design AAT Degree | | | | | | | | | | | | | | |
| Associate of Applied Technologies Degree (AAT) | | | | | | | | | | | | | | |
| **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 | | | | | | | | | | | **Credits** | | |  |
| AAT Required General Education Courses | | | | | | | | | | |  | | |  |
| **COLL 102 College Success For All** *(required to be completed 1st quarter)* | | | | | | | | | | | 3 | | |  |
| **ENGL& 101 English Composition,- or- CMST& 220 Public Speaking** *(pre-req ENG 094 or equivalent)* | | | | | | | | | | | 5 | | |  |
| **PSYC& 100DIV , or SOC& 101DIV , or PSY 112DIV** *(pre-req ENG 094 or equivalent)* | | | | | | | | | | | 5 | | |  |
| **MAT 103 Bus Math, or MAT 105 Math for Indust. Prof., or any 100 Level** *(pre-req MAT 92 or equivalent)***Math Class** | | | | | | | | | | | 5 | | |  |
| ***AAT Required General Education Courses Total Credits*** | | | | | | | | | | | ***18*** | | |  |
|  | | | | | | | | | | |  | | |  |
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| ***\*\*\*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 (Preferred) -or- CMST& 220 Public Speaking** | | | | | | | | | | 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 | | |  |
| **MAT 105 Math for Industrial Professions or any 100 level math** | | | | | | | | | | 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 , or SOC& 101DIV , or PSY 112DIV** | | | | | | | | | | 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 099, -OR- MAT 103 or higher)* | | | | | | | | | | 5 | | |  |
| ARC 286 Advanced Building Information Modeling *(pre-req ARC 282)* | | | | | | | | | | 5 | | |  |
| ARC 255 Employment Research | | | | | | | | | | 1 | | |  |
| ***Continues on page 2*** | | | | | | | | | | | | | | |
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| 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)* | | | | | | | | | |  | | |  |
| ***Total Credits for Completion*** | | | | | | | | | | | ***98*** | | | |
|  | | | | | | | | | | | | | | |
| **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 ***(must complete prior to MAT 105, MAT 103)*** | | | | | | | | | | | 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***