## Architectural Engineering Design AAT/AAS-T Degree

Program Start: Summer, Fall, Winter, and Spring Program Length: 6 Quarters Prerequisites: Yes Total College Credits: 90-123 Computer skills are highly recommended prior to starting ARC courses.

AAS-T Degree has additional General Education Requirements.

Students are encouraged to check with the RS counselor for more information about program requirements.

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| High School | College |
| Core Science Credit | Civil Engineering – ARC 175 (4 credits)  Engineering Mechanics of Materials – ARC 192 (4 credits)  Engineering Statics – ARC 293 (5 credits) |
| Core Math Credit | Any 100-Level Math Class (5 credits) Business Mathematics – MAT 103 (5 credits)  Mathematics for Industrial Professionals – MAT 105 (5 credits) Residential Drafting & Design I – ARC 120 (4 credits) Residential Drafting & Design II – ARC 124 (5 credits) Residential Drafting & Design I – ARC 126 (5 credits)  Drafting Technologies I – ARC 171 (5 credits) Residential Drafting & Design IV – ARC 219 (4 credits) Cost Estimating I – ARC 231 (3 credits)  Intro to 3D Modeling – ARC 262 (3 credits) |
| Core English Credit | English Composition I – ENGL& 101 (5 credits) |
| Core Social Studies | General Psychology – PSYC& 100DIV (5 credits) Psychology of the Workplace – PSYC112DIV (5 credits)  Introduction to Sociology – SOC& 101DIV (5 credits) |
| Core Art Credit | Introduction to CAD Drafting – ARC 183CL (4 credits) Design Project I – ARC 223 (5 credits)  Design Project II – ARC 225CAP (5 credits)  Intro to Building Information Modeling – ARC 282 (5 credits) Advanced Building Information Modeling – ARC 286 (5 credits) Applied CADD – ARC 288CL (5 credits)  Special Design Project – ARC 229 (5 credits) |
| CTE Credits/Optional Elective | College Success for All – COLL 102 (3 credits) Detailing and Light Construction – ARC 146 (4 credits)  Construction Materials Research – ARC 150 (4 credits) Employment Research – ARC 255 (1 credit)  Special Intern Project – ARC 227 (5 credits) |