

Credentials Overview — Estimator



Credential Options

Associate Estimating Professional/American Society of Professional Estimator **recommended*

Earning the Associate Estimating Professional designation is an acknowledgment that you have met, and continue to meet, the criteria established as determined by the American Society of Professional Estimators (ASPE). Attaining this recognition requires continuing commitments to ethics and education. It is a commitment by the individual to the construction industry, ASPE, and to himself/ herself. After paying the application fee, the apprentice will receive the handbook for the AEP, and then must take the GEK exam within 1-3 months; if a passing is earned they will receive the AEP designation.

Completion Time: **1-3 Months.**

Difficulty Level: **High.**

Autodesk Certified Associate in CAD (Mechanical Design)/Autodesk + Pearson-Vue

The Autodesk Certified User (ACU) certifications enhance student college applications and resumes, providing evidence of competency and proficiency. ACU certification is an excellent way for students with about 150 hours of real-world Autodesk software experience to validate their software skills. Earning User-level certifications while in school gives students confidence as they continue to master Autodesk products and pursue Professional-level certifications in the future. Training for requires Fusion360 software.

Completion Time: **3-6 Months.**

Difficulty Level: **High.**

Cost Details

Exam + Preparation:
\$165.00 (Members)
\$180.00 (Non-Members)

Includes application,
handbook, and GEK Exam.

Exam:

- \$90.00 (Exam Voucher)
- \$108.00 (Exam Voucher+Retake)

Preparation:

- Autodesk courses are free for students.



Coursework Overview— Estimator

Higher Ed Coursework (Year 3)

Course	Description	Approx. Cost*
AEC 107 Print Reading - Residential + Commercial	Interpret construction prints and the related documents produced by the residential or commercial architect and used in the construction industry.	\$800
AEC 116 Building Materials	This course will cover the study of building materials and methods commonly used within the construction industry. The course will include interior and exterior materials used in everything from foundations to roof systems.	\$800
AEC 216 Construction Estimating	Studies fundamental structural elements and building structures. Building forces, transfer of forces, and structural members and systems are investigated through computation and project work. Fundamental engineering theory related to steel, wood, reinforced concrete and masonry are introduced.	\$800
CAD 101 Computer-Aided Drafting 1	Focuses on basic computer aided drafting skills using the AutoCAD software. Includes file management, Cartesian coordinate system & dynamic input, drawing templates, drawing aids, linetype and lineweights, layer usage, drawing & editing geometric objects, polylines & splines, array, text applications, creating tables, basic dimensioning and Help access.	\$800
CAD 102 Computer Aided Drafting 2	Focuses on intermediate 2D Computer aided drafting skills using the AutoCAD software. Includes blocks, wblocks & dynamic blocks, hatching, isometric drawings, advanced dimensioning and dimension variables, layouts, paper space and viewports, templates, external references, attributes, raster images, & printing/plotting.	\$800

*Training and Higher Ed Coursework may vary based on the needs of the employer and the trajectory of the apprentice. The above information suggests a sample of what the apprenticeship would entail.