

BUILDING DESIGN, DRAFTING, AND CONSTRUCTION



The curriculum in the Building Design, Drafting, and Construction pathway includes studies in residential design, materials, codes, framing, mechanical and electrical systems. Programs emphasize topics and skills training in building and drafting trades, including hands-on work, design, and repair.

Most careers in this pathway can be entered on program completion, though some require advanced credentials and are designed for students intending to transfer.

- Program Award definitions can be found on the Types of Degrees and Certificates (<https://catalog.cos.edu/areas-study/#summaryofdegreestext>) webpage.
- To sort/filter the table below, click the funnel icon under the column header.

Degrees and Certificates

Program Title	Program Award	Division	Financial Aid Eligible
Architectural Design (https://catalog.cos.edu/areas-study/architecture/certificate-achievement-architectural-design/)	Certificate of Achievement	Industry & Technology	Yes
Architectural Drafting (https://catalog.cos.edu/areas-study/architecture/certificate-achievement-architectural-drafting/)	Certificate of Achievement	Industry & Technology	Yes

Architectural History (https://catalog.cos.edu/areas-study/architecture/skill-certificate-architectural-history/)	Skill Certificate	Industry & Technology	No
Architectural Visual Communication (https://catalog.cos.edu/areas-study/architecture/certificate-achievement-architectural-visual-communication/)	Certificate of Achievement	Industry & Technology	Yes
Architecture (https://catalog.cos.edu/areas-study/architecture/associate-science-architecture-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes
Architecture (https://catalog.cos.edu/areas-study/architecture/certificate-achievement-architecture/)	Certificate of Achievement	Industry & Technology	Yes
Autodesk AutoCAD for Architecture (https://catalog.cos.edu/areas-study/drafting/skill-certificate-autodesk-autocad-architecture/)	Skill Certificate	Industry & Technology	No
Autodesk AutoCAD for Drafting (https://catalog.cos.edu/areas-study/drafting/certificate-achievement-autodesk-autocad-drafting/)	Certificate of Achievement	Industry & Technology	Yes

Building Information Modeling (BIM) (https://catalog.cos.edu/areas-study/architecture/skill-certificate-building-information-modeling-bim/)	Skill Certificate	Industry & Technology	No	Drafting Technology (https://catalog.cos.edu/areas-study/drafting/associate-science-drafting-technology-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes
Carpentry/ Millwork (https://catalog.cos.edu/areas-study/construction-technology/skill-certificate-carpentry-millwork/)	Skill Certificate	Industry & Technology	No	Electrical Technology (https://catalog.cos.edu/areas-study/electrician-training/associate-science-electrical-technology/)	A.S. Degree	Industry & Technology	Yes
Construction Inspection (https://catalog.cos.edu/areas-study/construction-technology/certificate-achievement-construction-inspection/)	Certificate of Achievement	Industry & Technology	Yes	Environmental Control Technology (HVAC) (https://catalog.cos.edu/areas-study/environment-control-technology/associate-science-environmental-control-technology-hvac-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes
Construction Technology (https://catalog.cos.edu/areas-study/construction-technology/associate-science-construction-technology-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes	Environmental Control Technology (HVAC) (https://catalog.cos.edu/areas-study/environment-control-technology/certificate-achievement-environmental-control-technology/)	Certificate of Achievement	Industry & Technology	Yes
Construction Technology (https://catalog.cos.edu/areas-study/construction-technology/certificate-achievement-construction-technology/)	Certificate of Achievement	Industry & Technology	Yes				

Irrigation Construction and Installation (https://catalog.cos.edu/areas-study/agricultural-technology/skill-certificate-irrigation-construction-installation/)	Skill Certificate	Agriculture	No	Mechanical Drafting (https://catalog.cos.edu/areas-study/drafting/certificate-achievement-mechanical-drafting/)	Certificate of Achievement	Industry & Technology	Yes
Irrigation Management (https://catalog.cos.edu/areas-study/agricultural-technology/skill-certificate-irrigation-mgmt/)	Skill Certificate	Agriculture	No	NCCER Electrical Applications (https://catalog.cos.edu/areas-study/electrician-training/certificate-achievement-nccer-electrical-applications/)	Certificate of Achievement	Industry & Technology	Yes
Landscape Design (https://catalog.cos.edu/areas-study/ornamental-horticulture/certificate-achievement-landscape-design/)	Certificate of Achievement	Agriculture	Yes	NCCER Electrical Theory (https://catalog.cos.edu/areas-study/electrician-training/certificate-achievement-nccer-electrical-theory/)	Certificate of Achievement	Industry & Technology	Yes
Landscape Management (https://catalog.cos.edu/areas-study/ornamental-horticulture/associate-science-landscape-management-not-for-transfer-as/)	A.S. Degree	Agriculture	Yes	Sanitary Welding Applications (https://catalog.cos.edu/areas-study/welding/certificate-achievement-sanitary-welding/)	Certificate of Achievement	Industry & Technology	Yes
Landscape Management (https://catalog.cos.edu/areas-study/ornamental-horticulture/certificate-achievement-landscape-management/)	Certificate of Achievement	Agriculture	Yes	Tactile Mechanical Drafting (https://catalog.cos.edu/areas-study/drafting/skill-certificate-tactile-mechanical-drafting/)	Skill Certificate	Industry & Technology	No
				Water & Wastewater Treatment (https://catalog.cos.edu/areas-study/industrial-maintenance/skill-certificate-water-wastewater-treatment/)	Skill Certificate	Industry & Technology	No

Welding (https://catalog.cos.edu/areas-study/welding/certificate-achievement-welding/)	Certificate of Achievement	Industry & Technology	Yes
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Welding Technology (https://catalog.cos.edu/areas-study/welding/associate-science-welding-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes
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