



**Career Cluster:** Architecture & Construction  
**Program:** Drafting and Design Technology

**Student Support Services:**



- Dual Enrollment\*
- 504 and Special Education Support Services\*
- Military Liaison Veteran Services\*
- Homeless Liaison\*
- Food Pantry\*\*
- Credit Transfer Agreements\*\*
- Students with Disabilities Support Services\*\*
- Campus Counselor/Personal Crisis Intervention\*\*
- Federal Financial Aid Counselors\*\*
- Learning Commons, Library, Tutoring Center\*\*
- Foundation Scholarships\*\*
- Early Alert System\*\*
- Career and Technical Student Organizations\*\*\*
- Career Guidance and Academic Counseling (and Job Placement) \*\*\*

\*High School Support Service

\*\*College Support Service

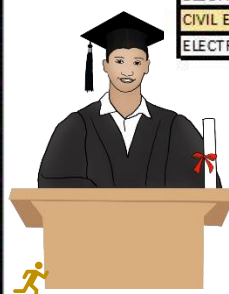
\*\*\*High School and College Support Service



DRAFTING AND DESIGN TECHNOLOGY		
BRCC		
DRFT 1110	Drafting Fundamentals	3
DRFT 1120	Geometric Construction	3
DRFT 1130	Pictorial Drawing	3
DRFT 1145	Multi-View and Section Drawing	3
DRFT 1161	Dimensioning	2
TCA: ENGINEERING AIDE I		
DRFT 1160	Drafting Computations	3
DRFT 1215	Auxiliary Views & Intersections	3
DRFT 1230	Fasteners	2
CADD 1210	Basic CADD	3
CTS: ENGINEERING AIDE II (ALSO NEEDS TCA)		
CADD 1215	Advanced CADD	3
DRFT 2310	Basic Manufacturing/Electrical	3
DRFT 2320	Basic Architectural/Civil/Structural	3
DRFT 2330	Basic Piping/Marine	3
DRFT 2341/2342/ 2343/2346	Advanced: Manufacturing, Civil, Architectural, or Piping Drafting	6
DRFT 2510	Portfolio Presentation	3
TD: DRAFTING AND DESIGN TECHNICIAN (NEEDS TCA & CTS)		
MATH	General Education - See Catalog	3
ENGL 101	English Composition I	3
PSYC 201	Introduction to Psychology	3
NATURAL SCIENCE	General Education - See Catalog	3
HUMANITIES	GENERAL EDUCATION - SEE CATALOG	3
AAS: DRAFTING AND DESIGN TECHNOLOGY		
RPCC		
DRFT 1000	Fundamentals of Drafting & Design	4
CADD 1100	Introduction to CADD	3
CSCI 1010	Introduction to Computer Technology	3
CADD 1200	Advanced CADD	3
CTS: DRAFT DESIGN TECH		
IRNT 1000	Print Reading for Industry	3
DRFT 1300	Introduction to Drafting Disciplines	4
CADD 1300	3-D CADD Concepts	3
PTEC 1630	Plant Equipment	2
PTEC 1631	Plant Equipment Lab	2
DRFT 1500	Advanced Drafting Disciplines	4
CADD 1700	Plant 3D and BIM	3
PTEC 2030/2070/2999	Concentration Elective: See Catalog	3
TD: DRAFTING & DESIGN TECH (NEEDS CTS)		
ENGL 1010	English Composition I	3
SPCH 1200	Introduction to Speech	3
MATH 1100	College Algebra	3
PHSC 1010	Physical Science	3
Social Science Elective	General Education - See Catalog	3
AAS: DRAFTING AND DESIGN TECHNOLOGY		
NTCC		
DRFT 1101	Drafting Fundamentals	3
DRFT 1102	AutoCAD	3
DRFT 1103	Geometric Drafting	3
DRFT 1104	Technical Drafting	3
DRFT 1105	Materials & Manufacturing Tech	3
DRFT 1201	Architectural Drafting	3
DRFT 1202	Mechanical Drafting	3
DRFT 1203	Parametric Modeling	3
DRFT 1204	Pipe Drafting	3
DRFT 1205	Capstone Project	3
TD: DRAFTING & DESIGN TECHNOLOGY		



JOB TITLE	HOURLY	ANNUAL
PIPELAYER	\$ 12.03	\$ 25,022.40
PAINTERS, CONSTRUCTION AND MAINTENANCE	\$ 12.11	\$ 25,188.80
CARPENTER	\$ 12.81	\$ 26,644.80
HEATING, AIR CONDITIONING, REF. INSTALLER	\$ 13.33	\$ 27,726.40
ELECTRICIAN	\$ 16.25	\$ 33,800.00
CONSTRUCTION INSPECTOR	\$ 16.31	\$ 33,924.80
COST ESTIMATORS	\$ 17.57	\$ 36,545.60
ARCHITECTURAL AND CIVIL DRAFTERS	\$ 17.98	\$ 37,398.40
ARCHITECTS	\$ 19.86	\$ 41,308.80
CONSTRUCTION SUPERVISOR	\$ 19.88	\$ 41,350.40
ELECTRONICS ENGINEERS	\$ 27.04	\$ 56,243.20
CIVIL ENGINEERS	\$ 27.53	\$ 57,262.40
ELECTRICAL ENGINEERS	\$ 27.55	\$ 57,304.00







# WHAT TO TAKE...

CTE Course Taught	Course Code	IBC Associated with Course
3-D Modeling	151302	Autodesk Inventor Certified User
Advanced Technical Drafting	110590	Autodesk Inventor Certified User
Architectural Drafting	110580	Autodesk AutoCAD Certified User
Basic Technical Drafting	110560	Autodesk AutoCAD Certified User
Carpentry I	110701	Carpentry Level 1
Carpentry II	110702	Carpentry Level 2
CDF Eligible Pre-Apprenticeship I	080230/080231	Career Connections Core
CDF Eligible Pre-Apprenticeship II	080233/080234	Career Connections Level 2
CDF Eligible Pre-Apprenticeship III	080236/080237	Career Connections Level 2
CMAD Drafting	110570	Autodesk Inventor Certified User
CNST		Carpenter International Pre-Apprenticeship
Computer Integrated Manufacturing	110850	Autodesk Inventor Certified User
Core	311720	Career Connections Core
Electrical I	110711	Carpenter International Pre-Apprenticeship
General Technology Education I	110010	Autodesk AutoCAD Certified User
NCCER Carpentry I	110701/313300/110702/313302/110703	Carpentry Level 1
NCCER Carpentry II	110706/313305/110707/313312/110708/313313	Carpentry Level 2
NCCER Carpentry III	110700/110704/110705/313317	Carpentry Level 3
Technical Drafting	110560	Autodesk AutoCAD Certified User
Technical Drafting Advanced	110590	Autodesk Inventor Certified User
Technical Drafting Basic	110560	Autodesk AutoCAD Certified User
Introduction to Engineering	110800/110799	Autodesk AutoCAD Certified User
Makerspace Exploratory		OSHA 10 - General Industry
Principles of Engineering	110810/110811	Autodesk Inventor Certified User
General Technical Education	110010	Core
NCCER Core	311720	OSHA 10 - General Industry
Pre-Apprentice I	080208/080210	Career Connections Core
Pre-Apprentice II	080209/080211	Career Connections Level 1
Pre-Apprentice III	080209/080211	Career Connections Level 2
NCCER Electrical I	110711/110712/110713/313400/313402/313403	Electrical Level 1
NCCER Electrical II	110716/313405/110717/313412/110718/313413	Electrical Level 2

