PATHWAYS Your Guide to Completion

ENGINEERING GRAPHICS
Associate of Applied Science Degree

	Course #	Course Name	Credit Hours
Semester 1	ORI 101/	Orientation to College **OR**	1-3
	ORT 100/	Orientation for Career Students **OR**	
	ORI 105	Orientation and Student Success	
	Area II	Humanities and Fine Arts Elective	3
	CIS 146	Microcomputers Applications	3
	DDT 104	Basic Computer-Aided Drafting and Design	3
	DDT 111	Fundamentals of Drafting and Design Technology	3
			Semester Total: 13 - 15
Semester 2	ENG 101	English Composition I	3
	MTH 116	MTH 116 or Higher	3
	DDT 124	Basic Technical Drawing	3
	DDT 127	Intermediate Computer-Aided Drafting and Design	3
	DDT 144	Basic 3D Modeling	3
		Eligible for AutoCAD Certification Exam **ELIGIBLE FOR STACKABLE STC - CAD Operator**	**Semester Total: 15**
Semester 3	DDT 150	Theory of Residential Drawing and Design	3
	DDT 155	Drawing for Residential Construction	4
	DDT 216	Design of Structural Wood Members	3
	WKO 106	Workplace Skills	3
		Eligible for NOCTI - Architectural Drafting Exam **ELIGIBLE FOR STACKABLE STC - Architectural Graphics Technician**	**Semester Total: 13**
Semester 4	DDT 128	Intermediate Technical Drawing	3
	DDT 213	Civil Drafting, Plat Maps	3
	DDT 233	Intermediate 3D Modeling	3
	DDT 244	Advanced Modeling	3
		Eligible for Inventor Certification Exam **ELIGIBLE FOR STACKABLE STC - 3D Graphics Technician**	**Semester Total: 12**
Semester 5	SPH 106/	Fundamentals of Oral Communication **OR**	3
	SPH 107	Fundamentals of Public Speaking	
	AREA III Elective	Math/Science Elective	3-4
	Area IV Elective	History/Social/Behavioral Science Elective	3
	DDT 225	Structural Steel Drafting	3
		Eligible for SolidWorks Certification Exam **ELIGIBLE FOR STACKABLE STC - Advanced Engineering Draftsman**	**Semester Total: 12-13**
		ELIGIBLE FOR AAS - Engineering Graphics	**Program Total: 65-68**

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- All DDT classes (except DDT 111 and DDT 216) require DDT 104 as a pre-requisite.
- DDT 150 and DDT 155 are co-requisites.

PATHWAYS
Your Guide to Completion

		ENGINEERING GRAPHICS Certificate	
	Course #	**Course Name**	**Credit Hours**
Semester 1	ORI 101/	Orientation to College **OR**	1
	ORT 100	Orientation for Career Students	
	CIS 146	Microcomputers Applications	3
	DDT 104	Computer-Aided Drafting and Design	3
	DDT 111	Fundamentals of Drafting and Design Technology	3
			Semester Total: 10
Semester 2	ENG 101	English Composition I	3
	MTH 116	Mathematics Applications or Higher	3
	DDT 124	Basic Technical Drawing	3
	DDT 127	Intermediate Computer-Aided Drafting and Design	3
	DDT 144	Basic 3D Modeling	3
		Eligible for AutoCAD Certification Exam **ELIGIBLE FOR STACKABLE STC - CAD Operator**	**Semester Total: 15**
Semester 3	SPH 106/	Fundamentals of Oral Communication **OR**	3
	SPH 107	Fundamentals of Public Speaking	
	DDT 150	Theory of Residential Drawing and Design	3
	DDT 155	Drawing for Residential Construction	4
	WKO 106	Workplace Skills	3
			Semester Total: 13
Semester 4	DDT 128	Intermediate Technical Drawing	3
	DDT 213	Civil Drafting, Plat Maps	3
	DDT 225	Structural Steel Drafting	3
	DDT 233	Intermediate 3D Modeling	3
		Eligible for NOCTI - Architectural Drafting Exam **ELIGIBLE FOR STACKABLE STC - Engineering Graphics**	**Semester Total: 12**
		ELIGIBLE FOR CERT - Engineering Graphics	**Program Total: 50**

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ENGINEERING GRAPHICS - 3D GRAPHICS TECHNICIAN
Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	DDT 144	Basic 3D Modeling	3
	DDT 233	Intermediate 3D Modeling	3
	DDT 244	Advanced Modeling	3
		Eligible for Inventor Certification Exam	**Semester Total: 9**
		ELIGIBLE FOR STC - Advanced 3D Graphics Technician	**Program Total: 9**

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ENGINEERING GRAPHICS - ADVANCED ENGINEERING DRAFTSMAN
Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	DDT 213	Civil Drafting, Plat Maps	3
	DDT 225	Structural Steel Drafting	3
	DDT 244	Advanced Modeling	3
		Eligible for SolidWorks Certification Exam	Semester Total: 9
		ELIGIBLE FOR STC - Advanced Engineering Draftsman	Program Total: 9

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ENGINEERING GRAPHICS - ARCHITECTURAL GRAPHICS TECHNICIAN
Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	DDT 150	Theory of Residential Drawing and Design	3
	DDT 155	Drawing for Residential Construction	4
	DDT 216	Design of Structural Wood Members	3
		Eligible for NOCTI - Architectural Drafting Exam	Semester Total: 10
		ELIGIBLE FOR STC - Architectural Graphics Technician	Program Total: 10

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ENGINEERING GRAPHICS - CAD OPERATOR
Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	DDT 104	Basic Computer-Aided Drafting and Design	3
	DDT 111	Fundamentals of Drafting and Design Technology	3
			Semester Total: 6
Semester 2	DDT 124	Basic Technical Drawing	3
	DDT 127	Intermediate Computer-Aided Drafting and Design	3
		Eligible for AutoCAD Certification Exam	Semester Total: 6
		ELIGIBLE FOR STC - CAD Operator	Program Total: 12

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ENGINEERING GRAPHICS
Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	DDT 104	Basic Computer-Aided Drafting and Design	3
	DDT 111	Fundamentals of Drafting and Design Technology	3
			Semester Total: 6
Semester 2	DDT 124	Basic Technical Drawing	3
	DDT 127	Intermediate Computer-Aided Drafting and Design	3
	DDT 144	Basic 3D Modeling	3
		Eligible for AutoCAD Certification Exam **ELIGIBLE FOR STACKABLE STC - CAD Operator**	**Semester Total: 9**
Semester 3	DDT 150	Theory of Residential Drawing and Design	3
	DDT 155	Drawing for Residential Construction	4
	DDT 213	Civil Drafting, Plat Maps	3
		Eligible for NOCTI - Architectural Drafting Exam	**Semester Total: 10**
		ELIGIBLE FOR STC - Engineering Graphics	**Program Total: 25**

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