

Program Name:

DRAFTING & DESIGN TECHNOLOGY

2024-2025 SCOPE & SEQUENCE

Secondary Scope & Sequence

- ⦿ Technical - Major units and levels with estimated hours
- ⦿ Academic - Recommended

Subject – Hours	Level I	Estimate of Hours	Level II	Estimate of Hours	Level III	Estimate of Hours	Level IV	Estimate of Hours
Technical	ORIENTAITON AND SAFETY	16	APPLICATION OF INSTRUMENTS, FREEHAND SKETCHING AND LETTERING - LEVEL 2	58	INTRODUCTION TO ARCHITECTURAL DRAFTING	75	EMPLOYABILITY	12
	RESIDENTIAL ARCHITECTURAL STYLE	75	INTRODUCTION TO ORTHOGRAPHIC PROJECTION (MV DRAWING)	40	GEOMETRIC DIMENSIONING AND TOLERANCING	60	CONCEPTUAL SKETCHING	20
	INTRO TO APPLICATION OF INSTRUMENTS, FREEHAND SKETCHING AND LETTERING	96	ANSI STANDARDS FOR DIMENSIONS	80	TRADITIONAL DRAWING AND SKETCHING	25	TRIGONOMETRY ENGINEERING MATH	25
	PRESENTATION DRAWING	80	PROBLEM SOLVING MATH OPERATIONS	16	GEOMETRIC ENGINEERING MATH	40	BLUEPRINT READING	50
	GRAPHIC ILLUSTRATION	20	INTRODUCTION TO SECTION AND AUXILLARY VIEWS	70	ISO STANDARDS FOR DIMENSIONS	20	COMMERCIAL DRAWING	120
	PRELIMINARY CONSIDERATIONS	20	MANUFACTURING PROCESSES	38	INTRODUCTION TO ELECTRICAL AND ELECTRONIC DRAFTING	25	INTRODUCTION TO CIVIL DRAFTING	60
	INTRODUCTION OF AUTOCAD	33	AUTOCAD APPLICATION BEGINNER	18	AUTOCAD APPLICATION INTERMEDIATE	45	AUTOCAD APPLICATION ADVANCED	58
	INTRODUCTION TO CAREERS	20	SUPPLEMENTAL DRAFTING ACTIVITIES - LEVEL 1	40	SUPPLEMENTAL DRAFTING ACTIVITIES - LEVEL 2	70	EXPLORING CAREERS	15
English (4)	College Prep English I		College Prep English II		College Prep English III		College Prep English IV	
Math (3)	Algebra I		Algebra II		Geometry		Higher Level College Prep Math (recommended)	
Science (3)	Biology		Chemistry		Physics			
Humanities (covering these courses in any order) (3)	Civics		U.S. History		World History		Design Graphics	
Other	Foreign Language I (recommended)		Foreign Language II (recommended)					