



Yanbu Technical Institute
Mechanical Skills Department
Computer Aided Drafting and Design Technician Program (CADDT)
Study Scheme

Year 1 (Semester 1)

#	Course Code	Course Title	TH	LH	CH	CR	Pre-Req	Co-Req
1	ENGL 1101	English I	20	1	21	8		
2	ISLM 1001	Islamic Ideology	2	0	2	2		
3	ENGT 1001	Industrial Safety and Health	1	0	1	1		
4	PHED 1001	Physical Education	0	2	2	1		
5	ENDR 1101	Engineering Drafting	0	2	2	1		
TOTAL			23	5	28	13		

Year 1 (Semester 2)

#	Course Code	Course Title	TH	LH	CH	CR	Pre-Req	Co-Req
1	ENGL 1102	English II	20	1	21	8	ENGL 1101	
2	MATH 1101	Mathematics	4	0	4	4		
3	ARAB 1001	Arabic Communication	2	0	2	2		
4	CSET 1101	Computer Applications	0	2	2	1		
5	ISSET 1001	Industrial Safety and Environment	0	2	2	1	ENGT 1001	
TOTAL			26	5	31	16		

Year 2 (Semester 3)

#	Course Code	Course Title	TH	LH	CH	CR	Pre-Req	Co-Req
1	ENGL 2101	English Communication	3	0	3	3		
2	MESD 2201	Process Piping Drafting	1	0	1	1		
3	MESD 2202	Process Piping Drafting Lab	0	4	4	2		MESD 2201
4	MESD 2203	AutoCAD 2D and 3D	1	0	1	1		
5	MESD 2204	AutoCAD 2D and 3D Lab	0	6	6	3		MESD 2203
6	MESD 2209	Microstation 2D and 3D	1	0	1	1		
7	MESD 2210	Microstation 2D and 3D Lab	0	6	6	3		MESD 2209
8	MESD 2207	Solidworks	1	0	1	1		
9	MESD 2208	Solidworks Lab	0	4	4	2		MESD 2207
10	MESD 2001	Technical Drafting	1	0	1	1		
11	MESD 2002	Technical Drafting Lab	0	4	4	2		MESD 2001
TOTAL			8	24	32	20		

Year 2 (Semester 4)

#	Course Code	Course Title	TH	LH	CH	CR	Pre-Req	Co-Req
1	MESD 2205	Architectural CADD	1	0	1	1		
2	MESD 2206	Architectural CADD Lab	0	4	4	2		MESD 2205
3	MESD 2211	Mechanical CADD	1	0	1	1	MESD 2203	
4	MESD 2212	Mechanical CADD Lab	0	4	4	2	MESD 2204	MESD 2211
5	MESD 2213	3DS Max Essentials Lab	1	0	1	1		
6	MESD 2214	3DS Max Essentials Lab	0	2	2	1		MESD 2213
7	MESD 2215	Digital Manufacturing	1	0	1	1	MESD 2203	
8	MESD 2216	Digital Manufacturing Lab	0	4	4	2	MESD 2204	MESD 2215
9	ENTR 2001	Entrepreneurship and Innovation	1	0	1	1		
10	MESD 2200	CADD Applied Technical Project	0	6	6	3		
TOTAL			5	20	25	15		

Year 3 (Semester 5)

#	Course Code	Course Title	TH	LH	CH	CR	Pre-Req	Co-Req
1	MESD 3902	CADD Cooperative Field Training	0	0	40	3	All courses	
TOTAL			0	0	40	3		

Total Credit Hours:	67
A: Total Contact Hourse (Academic Courses only)	1740
B: Coop Field Training Total Hours (14 week x 40 CH)	560
Total Program Contact Hours: (A+B)	2300

Approvals	Department Council	YTI Council
Meeting Reference	MOM-DPTC-MSD-YTI-243/2	462/22
Date	21/06/2025	17/06/2025

