

Engineering Technology Department

Drafting Design Technology Curriculum:

Curriculum for Drafting Design Technology			
Freshman Year			
FALL SEMESTER	HRS.	SPRING SEMESTER	HRS.
FYE 101 Freshman Year Experience	1	FYE 102 Freshman Year Experience	1
ENG 101 Freshman Composition	3	ENG 102 Freshman Composition	3
MATH 153 Calculus for Science Majors I	3	MATH 154 Calculus for Science Majors II	3
BIOL 113 Principles of Biology	3	HIST 101 Western Civilizations	3
BIOL 115 Principles of Biology Lab	1	ETC 104 Prin. of Electrical Circuits I	2
ETC 101 Introduction to Engineering Technology	2	ETC 124 Prin. of Elect. Circuits I Lab	1
ETC 103 Engineering Graphics	3	SOC 101 Introduction to Social Science	3
Total Semester Hours:	16	Total Semester Hours:	16
Sophomore Year			
FALL SEMESTER	HRS.	SPRING SEMESTER	HRS.
HIST 104 Modern World History	3	GET 300 Rising Junior Examination	0
PHYS 153 General Physics I	4	DET 202 Computer-Aided Drafting II	3
ENG 200 World Literature	3	PHYS 154 General Physics II	4
MATH 273 Probability & Statistics I	3	ETC 208 Computer Applications I	2
DET 201 Computer Aided Drafting I	3	ETC 228 Computer Applications I Lab	1
		EET 202 Engineering Mat'l & Processing	2
		EET 222 Engr. Mat'l & Processing Lab	1
		ECON 201 Macroeconomics	3
Total Semester Hours:	16	Total Semester Hours:	16
Junior Year			
FALL SEMESTER	HRS.	SPRING SEMESTER	HRS.
MET 304 Computer-Aided Design I	3	ETC 302 Dynamics	3
ETC 301 Statics	3	ENG 305 Advance Technical Report Writing	3
ETC 303 Computer Application II	2	ARTS 210 Intro to Fine and Performing	3
ETC 323 Computer Application II Lab	1	ETC 306 Strength of Materials	3
DET 307 Computer-Aided Drafting III	3	ETC 326 Strength of Materials Lab	1
ETC 102 Safety Engineering	2	DET Elective	3
Total Semester Hours:	14	Total Semester Hours:	16
Senior Year			
FALL SEMESTER	HRS.	SPRING SEMESTER	HRS.
Foreign Language Elective	3	ETC 402 Engineering Economy	2
DET 403 Design of Machine Elements	3	ETC 430 Senior Project II	2
ETC 410 Senior Project I	2	Foreign Language Elective	3
DET Elective*	3	MET 401 Computer-Aided Design II	3
Free Elective	3	DET Elective*	3

		Free Elective*	3
Total Semester Hours:	14	Total Semester Hours:	16
TOTAL HOURS NEEDED FOR GRADUATION:			124

The following is a list of available Drafting Design Technical Elective courses:

DET 301 Machine Drafting/Design
 DET 302 Tool Design Drafting
 DET 303/304 Arch. Design Drafting I & II
 DET 305 Pipe Drafting & Design
 DET 306 Electrical and Electronic Drafting
 DET 401 Structural Drafting
 MET 402 Intro. to CNC & CAM Systems
 MET 422 Intro. to CNC & CAM Systems Lab
 MET 404 Computer Integrated Manf.
 MET 404 Computer Integrated Manf. Lab
 EET 403 Automatic Control Systems
 EET 423 Automatic Control System Lab

NOTE: Elective requirements must be approved by the student's advisor and department head.