

BS IN DESIGN (2024-26)
MECHANICAL DESIGN TECHNOLOGY CONCENTRATION

Department of Technology Systems, East Carolina University

Name: _____ Banner ID: _____ Grad Date: _____ Admitted: _____

This checklist is for planning purposes only. The responsibility for meeting all academic requirements, as officially documented in the ECU catalog, rests with the student.

ECU Required Course		Substitution and/or Prerequisite	Approval	Hrs need	Completed	School	Term	Grade
<input type="checkbox"/> Foundations of American Democracy (FAD)								
FAD 1	recommend POLS 1010 for any Gen Ed (FAD 1 & 2) or			X				
FAD 2	recommnd HIST 1775 or PHIL 1176 or 2282 (FAD 1 & 2)			X				
<input type="checkbox"/> ENGLISH (6 hrs)								
ENGL 1100 English Comp 1 (WI)				3				
ENGL 2201 English Comp 2 (WI)				3				
<input type="checkbox"/> NATURAL SCIENCE (8 hrs)								
PHYS 1250/1 General Physics 1				4				
PHYS 1260/1 General Physics 2				4				
<input type="checkbox"/> SOCIAL SCIENCE (9hrs)								
ECON 2113 Microeconomics				3				
PSYC 1000 General Psychology				3				
PSYC 3241 Industrial Psychology	P: PSYC 1000			3				
<input type="checkbox"/> MATH (minimum 3 hrs)								
MATH 1065 College Algebra				3				
<input type="checkbox"/> HUMANITIES & FINE ARTS (9hrs)								
PHIL 2274 Bus Ethics or PHIL 2275 Prof Ethics				3				
At least one in Fine Arts				3				
Humanities OR Fine Arts	recommnd HIST 1775 or PHIL 1176 or 2282 (FAD1 & 2)			3				
<input type="checkbox"/> HEALTH & KINESIOLOGY (3 hrs)								
HLTH 1000 Health course				2				
KINE 1000 Physical Activity & Fitness				1				
<input type="checkbox"/> GENERAL EDUCATION ELECTIVE (3 hrs)								
General Education Elective	recommend POLS 1010 (FAD 1 & 2)			3				
<input type="checkbox"/> Core (42 hrs)								
DESN 2034/5 Engineering Graphics 1	P/C: ITEC 2000 or MIS 2223			3			Fa, Sp	
DESN 2036/7 CAD	P: DESN 2034			3			Fa, Sp	
FINA 2244 Legal Environ. Of Business				3			Fa,Sp,Su	
IENG 2020/1 Materials & Processes	P/C: ITEC 2000 or MIS 2223			3		ECU	Fa, Sp	
IENG 3600 Statics & Strength Materials				3		ECU	Fa, Sp	
ITEC 2000 or MIS 2223 Comp Apps				3			Fa, Sp	
ITEC 2054/5 Electronics				3		ECU	Fa, Sp	
ITEC 2080/1 Thermal & Fluid	P: IENG 2020			3		ECU	Fa, Sp	
ITEC 3200 Intro to SPC (or MATH 2283)	P: MATH 1065; RP:ITEC 2000 or MIS 2223			3		ECU	Fa,Sp	
ITEC 3290 Tech. Writing (WI) (GD)	P: ENGL 2201			3		ECU	Fa,Sp,Su1	
ITEC 3292 Industrial Safety	P: Junior Standing			3		ECU	Fa,Sp	
ITEC 3300 Tech Proj Mgmt (WI) (DD)	P: ENGL 2201			3		ECU	Fa,Sp,Su1	
ITEC 3800 Capital Proj (or FINA 3004)	P: MATH 1065; RP:ITEC 2000 or MIS2223			3		ECU	Fa,Sp	
ITEC 4293 Ind. Super (WI) (or MGMT 3202)	P:Sr Standing			3		ECU	Fa,Sp	
<input type="checkbox"/> Mechanical Design Technology Concentration (30 hrs)								
DESN 3032/3 Engr Graphics II	P: DESN 2036			3		ECU	Sp	
DESN 3230/1 Additive Manf	P: DESN 3032			3		ECU	Sp	
DESN 3236/7 GD&T	P: DESN 3032			3		ECU	Fa	
DESN 4232/3 Jig & Fixture Design	(formally DESN 3234) P: DESN 3032			3		ECU	Fa	
DESN 4234/5 Machine & Tool	P: DESN 3032			3		ECU	Sp	
IENG 2076/7 Intro to CNC				3		ECU	Fa,Sp	
IENG 3020/1 Intro to CIM	P/C: ITEC 2090			3		ECU	Sp	
IENG 3300 Plt Layout & Mat Hand	P:DESN 2036; IENG 2020; P/C: ITEC 3290			3		ECU	Fa	
ITEC 2090/1 Electomech (PLC)	P: ITEC 2054			3		ECU	Fa,Sp	
ITEC 4300 Quality Assurance	P: ITEC 3200 or MATH 2283			3		ECU	Fa,Sp	
<input type="checkbox"/> Free Electives (7 hrs)								
Any Course				7				

Academic Advisor	
Non ECU Email:	
Minor - indicate in what area:	
Writing Intensive (WI) req (min 12 hours) - ENGL 1100; ENGL 2201; ITEC 3290; ITEC 3300	
Notes	

Total Semester Ho		=	120	Min 120 hrs
Hrs need	2yr hrs			
120	0			
Check Sheet KEY				
P:	Prerequisite			
Fa	Fall Semester			
Sp	Spring Semester			
Su	Summer School			