

**B.S. Engineering Technology • Product Development Concentration • Graduation Check-off Sheet**  
**East Tennessee State University • 2006/07 — 2009/10 Undergraduate Catalogs**  
**This multidisciplinary program requires a minimum of 128 credit hours for graduation.**

Name \_\_\_\_\_ WKH \_\_\_\_\_ SID \_\_\_\_\_ Academic Year \_\_\_\_\_

PDEV06-D.XLS Sept. 11, 2009

Part I - General Education Requirements		Cr.	Gr.	Prof.		
Communications Area				W	O	T
ENGL 1010	Crit. Reading & Expos Writing	3				
ENGL 1020	Crit. Thinking & Argumentation	3				
SPCH 2300	Public Speaking	3				
Mathematics Area						
<sup>-2</sup> MATH 1530	Probability & Statistics-NonCalc	3				
Natural Sciences Area						
CHEM 1110/11	Gen. Chemistry: Lect (3)/Lab (1)	4				
PHYS 2010/11	General Physics I-NonCalc (Lect/Lab)	4		X		
History Area						
HIST 2010	U.S. History To 1877	3				
HIST 2020	U.S. History Since 1877	3				
Social & Behavioral Sciences Area						
ECON 2210	Principles of Economics, Part I	3				
PSYC 1310	Introduction to Psychology	3				
Humanities & Fine Arts Area						
E ENGL 2 _____	Literature Elective	3				
E _____	Fine Arts Elective	3				
ENTC 3020	Technology & Society	3				
<b>General Education Core Total:</b>		<b>41</b>				

Part II - Technology Core Requirements		Cr.	Gr.	Prof.		
				W	O	T
ENTC 1510	Student in Univ (Opt.Xfers>15 hr)	2		X		
ENTC 2170	CADD	4				X
ENTC 3030	Technical Communication	3		X	X	
ENTC 4017	Industrial Supervision	3		X		
ENTC 4060	Project Scheduling	3				X
<sup>(2)</sup> ENTC 4600	Technology Practicum	4				X
<b>Technology Core Total:</b>		<b>19</b>				

Part III - Product Development Core Classes		Cr.	Gr.	Prof.		
				W	O	T
ENTC 1120	Manuf. Processes & Specs	3				
ENTC 2200	Machine Tool Technology	4				
ENTC 2310	Electrical Principles	4				
ENTC 3710	Manual CNC Programming	3				X
ENTC 4357	CIM Applications	3				X
	PD Elective (ENTC/MGMT/appvd)	3				
<b>Product Design Core Total:</b>		<b>20</b>				

Part IV - Technical Support Courses		Cr.	Gr.	Prof.		
				W	O	T
DIGM 1100	Visual Thinking	4				
MATH 1720	Pre calculus	3				
<sup>(3)</sup> MATH 1840	Analy Geometry & Diff. Calc.	3				
<sup>(4)</sup> MATH 1850	Integral Calculus	3				
<sup>(5)</sup> PHYS 2020/21	General Physics II-NonCalc (Lect/Lab)	4		X		
	Elective:	4				
<b>Technical Support Total</b>		<b>21</b>				

**UIT Grad Rqmt:** CSCI 1100 Course  or UIT proficiency exam   
**Notice of Intention to Graduate:** Filed / /  
**Advisor Comments and Notes:**

Advisor: \_\_\_\_\_ / /

Part V - Engr Tech Specialty Sequences (Choose either one or both)		Cr.	Gr.	Prof.		
Electronics/Communications Area				W	O	T
ENTC 2320	Electronics I	4				
ENTC 3370	Electronics Digital Circuits	4				
ENTC 4277	Instrumentation & Process Control	4				
<b>Choose at least one of the following:</b>						
ENTC 3310	Curcuit Analysis	3				
ENTC 3340	Electrical Machinery	3				
ENTC 4337	Microprocessors	4				X
<b>Min. Electronics Speciality Area Total:</b>		<b>15</b>				

Manufacturing & Materials Area		Cr.	Gr.	Prof.		
				W	O	T
ENTC 3240	Engr. Materials & Testing	4				
<sup>(6)</sup> ENTC 3600	Manufacturing Technology	3				
ENTC 3680	Polymers & Composites	3				
<b>Choose at least one of the following:</b>						
ENTC 1610	Woodworking Technology	3				
ENTC 3620	Thermal & Fluid Technologies	4				
ENTC 4237	Ergonomics & Process Optimization	4				
ENTC 4277	Instrumentation & Process Control	4				
ENTC 4287	Introduction to Robotics	3				
<b>Min. Manufacturing &amp; Materials Speciality Area Total:</b>		<b>13</b>				

Part VI - Specialty Technical Support Sequences		Cr.	Gr.	Prof.		
Digital Media/Visualization Area				W	O	T
ARTA 1140	3-D Design	3				
DIGM 1640	Vector-based Imaging					
or DIGM 1650	Raster-based Imaging	4				
DIGM 3300	Product Design	4				
<b>Choose at least one of the following:</b>						
ARTA 2501	Introduction to Sculpture	3				
DIGM 3010	Principles of Visualization	4				
DIGM 3110	3D Model Design	4				
<b>Min. Product Visualization Speciality Area Total:</b>		<b>14</b>				

Construction/Architectural Area		Cr.	Gr.	Prof.		
				W	O	T
<sup>(7)</sup> ENTC 2160	Architectural CADD	3				X
ENTC 2410	Construction Fundamentals	4				
<b>Choose at least two of the following:</b>						
FACS 1610	Historical Interiors	3				
FACS 1620	Introduction to Contemporary Interiors	3				
<sup>(7)</sup> FACS 2620	Design for Human Behavior	3		X		
ENTC 2420	Residential & Commercial Planning	4				
ENTC 2440	Mechanical Systems	4				
SURV 2550	Surveying Measurement Fundamentals	4				
<b>Min. Construction/Architectural Speciality Area Total:</b>		<b>13</b>				

**Notes:**  
<sup>1</sup> MATH 1840, 1850, 1910, or 1920 may count for GenEd mathematics area credit.  
<sup>2</sup> ENTC 4989-99 Co-op Ed may be substituted for ENTC 4060  
<sup>3</sup> MATH 1910 (4 hr) may be substituted for MATH 1840 (3 hr).  
<sup>4</sup> MATH 1920 (4 hr) may be substituted for MATH 1850 (3 hr).  
<sup>5</sup> CHEM 1120/21 or HSCI 2010/11 may be substituted for PHYS 2020/21  
<sup>6</sup> ENTC 4989-99 Co-op Ed may be substituted for ENTC 3600  
<sup>7</sup> FASC 1621 may be substituted for ENTC 2160 for students taking FASC 2620

Transfer/Substitution Memo Sent \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_