

Program of Study: **Applied Engineering Technology Mechanical Design - Diploma (D40130D)**
 Curriculum Standard: A40130*2020FA
 Status: **Approved with Override 06/01/21**

Type: TRD
 Catalog: **2021 Fall**
 End Date:

						Class	Lab	Clinc/Exp	Credits (10.00)
1) General Education Requirements									
Eng/Com Requirement									
> Take 3 credits									
From	S25433	ENG-111	2020FA	Writing and Inquiry	CO-DIP	3.00	0.00	0.00	3.00
	S12601	COM-231	1997SU	Public Speaking	CO-DIP	3.00	0.00	0.00	3.00
Math									
> Take 4 credits									
From	S25431	MAT-152	2020FA	Statistical Methods I	MA-DIP	3.00	2.00	0.00	4.00
	S25432	MAT-171	2020FA	Precalculus Algebra	MA-DIP	3.00	2.00	0.00	4.00
Humanities Requirement									
> Take 3 credits									
From	S10139	ART-111	1997SU	Art Appreciation	HF-DIP	3.00	0.00	0.00	3.00
	S10200	ART-114	1997SU	Art History Survey I	HF-DIP	3.00	0.00	0.00	3.00
	S10149	ART-115	1997SU	Art History Survey II	HF-DIP	3.00	0.00	0.00	3.00
	S14059	HUM-110	1997SU	Technology and Society	HF-DIP	3.00	0.00	0.00	3.00
	S13030	HUM-122	1997SU	Southern Culture	HF-DIP	3.00	0.00	0.00	3.00
	S13721	HUM-130	1997SU	Myth in Human Culture	HF-DIP	3.00	0.00	0.00	3.00
	S16395	HUM-160	1999FA	Introduction to Film	HF-DIP	2.00	2.00	0.00	3.00
	S11527	HUM-220	1997SU	Human Values and Meaning	HF-DIP	3.00	0.00	0.00	3.00
	S11154	HUM-230	1997SU	Leadership Development	HF-DIP	3.00	0.00	0.00	3.00
	S13676	MUS-110	1997SU	Music Appreciation	HF-DIP	3.00	0.00	0.00	3.00
2) Major Requirements (20.00)									
Computer Applications									
> Take 3 credits									
From	S21058	CIS-110	2006SP	Introduction to Computers	MA-DIP (2ND)	2.00	2.00	0.00	3.00
Safety									
> Take 2 credits									
From	S23527	ISC-112	2013FA	Industrial Safety		2.00	0.00	0.00	2.00
Computers									
> Take 2 credits									
From	S13624	DFT-119	1997SU	Basic CAD		1.00	2.00	0.00	2.00
Electricity									
> Take 4 credits									
From	S23482	ELC-131	2013FA	Circuit Analysis I		3.00	3.00	0.00	4.00
Engineering									
> Take 3 credits									
From	S23526	HYD-110	2013FA	Hydraulics/Pneumatics I		2.00	3.00	0.00	3.00

Motors and Controls								
> Take 4 credits								
	From S23521	ELC-117	2013FA Motors and Controls	2.00	6.00	0.00	4.00	
Specialty								
> Take 2 credits								
	From S23467	ATR-112	2013FA Intro to Automation	2.00	3.00	0.00	3.00	
	S14051	MEC-110	1997SU Intro to CAD/CAM	1.00	2.00	0.00	2.00	
3) Other Major Requirements								(16.00)
Other Major Courses								
> Take 16 credits								
	From S23466	BPR-111	2013FA Print Reading	1.00	2.00	0.00	2.00	
	S11927	DFT-121	1997SU Intro to GD&T	1.00	2.00	0.00	2.00	
	S20664	DFT-154	2005SP Intro Solid Modeling	2.00	3.00	0.00	3.00	
	S20156	DFT-254	2003SP Intermed Solid Model/Render	2.00	3.00	0.00	3.00	
	S24064	TDP-110	2014SU Introduction to 3D Printing	2.00	3.00	0.00	3.00	
	S24066	TDP-140	2014SU Precision 3D Printing	2.00	3.00	0.00	3.00	
4) Other Requirements								(1.00)
Other Requirements								
> Take 1 credit								
	From S13516	ACA-115	1997SU Success & Study Skills	0.00	2.00	0.00	1.00	
								(47.00)