

## GUIDE TO TOOL, FIXTURE AND DIE DESIGN AND VEHICLE DESIGN PROGRAM COMPLETION

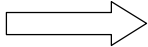
Faculty Advisors  
 Harry Buhalis: (586) 445-7450  
 Jim Carlson: (586) 445-7473  
 Lisa Richter: (586) 445-7191  
 Bill Thomas: (586) 445-7344

IF YOU NEED THIS COURSE:		TAKE THIS COURSE:		ADDITIONAL RECOMMENDATIONS
Original Course Code	Original Name	New Course Code	New Name	
DRAS 2400	Mechanical & Robotic Transfer Devices	None	None	See Harry Buhalis for a substitution.
DRBP 1500	Blueprint Fundamentals	PRDE 1250	Basic Blueprint Reading	
DRCG 1100	Introduction to AutoCAD	DRCG 1140	Intro to 2D & 3D AutoCAD	
DRCG 1110	AutoCAD Beginning Detailing	PRDE 1450	AutoCAD - Detailing and Assemblies	
DRCG 1120	AutoCAD Advanced Detailing	None	None	See Harry Buhalis for a substitution.
DRCG 1150	Intro to SolidWorks & Parametric Solid Modeling	PRDE 1400	Intro to SolidWorks & 3D Parametric Solid Modeling	
DRCG 1400	UG - Introduction & Solid Modeling	PRDE 1500	Unigraphics: Introduction to Solid Modeling	
DRCG 1500	UG - Assembly & Components	PRDE 1510	Unigraphics: Assemblies and Drafting	
DRCG 1700	Catia V5 - Introduction & Solid Modeling	PRDE 1600	Catia V5: Introduction & Solid Modeling	
DRCG 1740	IDEAS - Solid Modeling	None	None	See Jim Carlson, Lisa Richter, or Bill Thomas for a substitution.
DRCG 1760	IDEAS - Assemblies & Drafting	None	None	See Jim Carlson, Lisa Richter, or Bill Thomas for a substitution.
DRCG 1800	Catia V5 - Assemblies & Drafting	PRDE 1610	Catia V5: Assemblies & Drafting	
DRCG 2100	UG - Advanced Modeling	PRDE 2500	Unigraphics: Hybrid Design	
DRCG 2150	UG - Freeform Modeling	PRDE 2510	Unigraphics: Freeform Modeling	
DRCG 2700	Catia - Introduction to Generative Shape Design	PRDE 2600	Catia V5: Introduction to Generative Shape Design	
DRCG 2800	Catia V5 - Surfacing	PRDE 2610	Catia V5: Introduction to Surfacing	
DRSM 1050	Design Technology Calculations	None	None	See Harry Buhalis for a substitution.
DRST 1100	Drafting Survey	None	Not a requirement in the old program	
DRST 1110	Drafting Practices	None	None	See a Faculty Advisor
DRST 1160	Industrial Processes & Materials	PRDE 1300	Industrial and Materials Processes	
DRST 1250	Descriptive Geometry	None	None	See a Faculty Advisor
DRTF 1170	Jig & Fixture Detailing & Design	PRDE 2200	Jig and Fixture Detailing & Design	
DRTF 1210	Die Theory	PRDE 1200	Theory of Sheet Metal Fabrication Students will receive credit for PRDE 1200 if they have taken DRTF 1210 or DRVD 1300.	
DRTF 2000	Panel Tipping	None	None	See Harry Buhalis, Jim Carlson, Lisa Richter, or Bill Thomas for a substitution.
DRTF 2280	Die Design 1	PRDE 2300	Die Design 1	
DRTF 2290	Die Design 2	PRDE 2310	Die Design 2	

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Original Course Code	Original Name	New Course Code	New Name	
DRTF 2360	Body Fixture Detail & Design	PRDE 2210	Body Fixture Design	
DRTF 2370	Automatic Welding Equipment Design	None	None	See Harry Buhalis for a substitution.
DRVD 1300	Sheetmetal Fabrication & Processing	PRDE 1200	Theory of Sheet Metal Fabrication Students will receive credit for PRDE 1200 if they have taken DRTF 1210 or DRVD 1300.	
DRVD 1510	Design Projection	None	None	See a Faculty Advisor
DRVD 2060	Body Detailing	None	None	See Harry Buhalis, Jim Carlson, Lisa Richter, or Bill Thomas for a substitution.
DRVD 2070	Surface Development	None	None	See Harry Buhalis, Jim Carlson, Lisa Richter, or Bill Thomas for a substitution.
DRVD 2080	Body Layout	None	None	See Harry Buhalis, Jim Carlson, Lisa Richter, or Bill Thomas for a substitution.
DRVD 2140	Design Fundamentals	None	None	See Harry Buhalis, Jim Carlson, Lisa Richter, or Bill Thomas for a substitution.
DRVD 2200	Overview - Vehicle Design	PRDE 2410	Vehicle Systems Overview  1. Students will be given credit for PRDE 2410 if all of the following courses have been taken: DRVD 2200, DRVD 2250, DRVD 2450, DRVD 2500, DRVD 2580, and DRVD 2620  2. If students have taken 2 or 3 of these courses, a suitable substitute for the student to take will be suggested by a faculty advisor.  3. If only one of these courses have been taken, the student should take PRDE 2410.	If students have any questions, they should contact Jim Carlson, Lisa Richter, or Bill Thomas.
DRVD 2250	Overview - "Body in White"			
DRVD 2450	Chassis Design			
DRVD 2500	Door Design			
DRVD 2580	Interior Design			
DRVD 2620	Electrical System Design			
<b>New Courses</b> 		PRDE 1100	Design Communications	
		PRDE 1410	SolidWorks: Components & Assemblies	
		PRDE 1700	Teamcenter Engineering	
		PRDE 2000	Product Development Process	
		PRDE 2100	Design Intent & Analysis	
		PRDE 2400	Plastics Design & Manufacturing	
		PRDE 2420	Capstone Project	