

Student Name \_\_\_\_\_

2014/2015

**Grand Rapids Community College  
Mechanical Design Certificate - CODE 928  
Program Check Sheet**

***First Semester***

Course Title	Credit Hr/	Contact Hr	Grade	Substitution	Waived	Transfer/Equivalent
<b>EG110</b> Industrial Graphics with CAD	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>DR150</b> Introduction to Solidworks	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>MN199</b> Theory of Machine Shop	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>DR180</b> Intro. to Mechanical Concepts	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>TE103</b> Technical Mathematics OR	4	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>MA107</b> Intermediate Algebra OR	(4)	(4)	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>MA110</b> College Algebra**	(4)	(4)	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>Totals</b>	_____					
	16					

***Second Semester***

Course Title	Credit Hr/	Contact Hr	Grade	Substitution	Waived	Transfer/Equivalent
<b>DR212</b> Tool Design	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>Mechanical Design Elective</b>	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>DR190</b> Intermediate SolidWorks	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>EG201</b> Advanced Engineering Graphics	3	4	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>TE104</b> Adv. Technical Mathematics OR	(3)	(3)	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>MA108</b> Trigonometry	(2)	(2)	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>Totals</b>	_____					
	14/15					

\*\* If taking MA110 only one math course is required. Select additional electives to meet the certificate credit hour requirement.

**Mechanical Design Electives**

DR 224	Die Design	3	DR 260	Introduction to Catia	3
DR 241	Mold Design & Theory	3	MN 220	Basic Plastic Processing	4
DR 140	Introduction to Inventor	3	TE 282	Cooperative Education in Technology	3
MN 235	CNC Programming	3	DR225	Advanced Die Design	3
DR 229	Detail Drafting	3			