Proposed Curriculum Outline
Fall 2015

Certificate - Mechanical Computer-Aided Drafting and Design CIP 15.1301

30 credit hours

FIRST YEAR

First Semester			Lec	Lab	Ext	Cont	Credit
DFTG	1305	Technical Drafting	3	1	0	64	3
DFTG	1309	Basic Computer-Aided Drafting	3	1	0	64	3
		Total Hours	6	2	0	128	6

Second Semester			Lec	Lab	Ext	Cont	Credit
DFTG	2319	Intermediate Computer-Aided Drafting	3	1	0	64	3
ENTC	1323	Strength of Materials	3	1	0	64	3
		Total Hours	6	2	0	128	6

Summer			Lec	Lab	Ext	Cont	Credit
DFTG	1333	Mechanical Drafting	2	3	0	80	3
		Total Hours	2	3	0	80	3

SECOND YEAR

First Semester			Lec	Lab	Ext	Cont	Credit
DFTG	1371	Mechanical Drafting - Fundamentals of Sheetmetal Design	2	2	0	64	3
DFTG	2350	Geometric Dimensioning and Tolerancing	3	1	0	64	3
Elective*			3	1	0	64	3
		Total Hours	8	4	0	192	9

Second Semester			Lec	Lab	Ext	Cont	Credit
DFTG	1345	Parametric Modeling and Design	2	3	0	80	3
DFTG	2335	Advanced Technologies in Mechanical Design and Drafting (Capstone)	3	1	0	64	3
		Total Hours	5	4	0	144	6
		GRAND TOTAL				***944***	***30***

* Electives (3-4 credit hours): ARCE 1352, DFTG 1317, DFTG 1372, DFTG 1380, DFTG 2321, DFTG 2328, DFTG 2381, or DFTG 2432