

Manufacturing Technology: Industrial Drafting and Design (Fall 2011)

Student Advisement Checklist

Student Name _____

Students must complete all preparatory classes to earn a Degree, Diploma, and/or Certificate. (Co or Prerequisite(s) in parentheses)

Writing Score _____	Numerical Score _____	Elementary Algebra Score _____	Reading Score _____	Computer Score _____
___ Basic Skills (0-29) [20-40] ___ ENG 080 (30-34) [41-65] ___ ENG 090/090A (35-40) [66-85] ___ ENG 111(≥ 41) [≥ 86]	___ Basic Skills (0-29) [20-29] ___ MAT 060 (30-37) [30-54] ___ MAT 060 NOT Needed (≥41) [≥ 55]	___ MAT 070 (23-40) [< 55] ___ MAT 120(≥ 41) [≥ 55]	___ Basic Skills (0-29) [20-38] ___ RED 080 (30-34) [39-56] ___ RED 090 (35-40) [57-79] No reading required(≥41) [≥ 80]	___ CTS 080 (0-59) ___ 60 or higher CIS 110 or CIS 111 ___ Web courses (≥70) ___ ≥ 85 may challenge CIS 111
___ ACA 115 (If two or more Preparatory Courses needed) Scores in () are Asset Scores Scores in [] are Accuplacer Scores Computer Score Based on SAMS Challenge				

A.A.S. Degree		A50320D	
Complete	Course	Credit	
1st Fall			
	MAT 120	Geometry and Trigonometry I (MAT 070)	3
	DFT 121	Introduction to Geometric Dimensioning and Tolerance (ENG 085 and CTS 080)	2
	DFT 111	Technical Drafting I (ENG 085 and CTS 080)	2
	DFT 111A	Technical Drafting I Lab (DFT 111)	1
	DFT 151	Computer Aided Drafting I (CTS 080)	3
	DDF 211	Design Process I (ENG 085 and CTS 080)	4
1st Spring			
	MEC 145	Manufacturing Materials I (ENG 085 and CTS 080)	3
	ISC 212	Metrology (ENG 085 and CTS 080)	2
	ENG 111	Expository Writing (ENG 095 and CTS 080)	3
	DDF 212	Design Process II (DDF 211)	4
	DFT 152	Computer Aided Drafting II (ENG 085 and CTS 080)	3
	ISC 135	Principles of Industrial Management (ENG 085 and CTS 080)	3
1st Summer			
	ENG 114	Professional Research & Reporting (ENG 085 and CTS 080)	3
	ISC 112	Industrial Safety (ENG 085 and CTS 080)	2
	MEC 110	Introduction to CAD/CAM (ENG 085 and CTS 080)	2
2nd Fall			
	DFT 154	Introduction to Solid Modeling (ENG 085 and CTS 080)	3
	DFT 161	Pattern Design and Layout (ENG 085 and CTS 080)	2
	DFT 231	Jig and Fixture Design (ENG 085 and CTS 080)	2
	MAC 231	CAM: CNC Turning (MEC 110)	3
	MAC 232	CAM: CNC Milling (MEC 110)	3
	HUM XXX	Humanities Elective (ENG 095)	3
2nd Spring			
	ISC 132	Manufacturing Quality Control (ENG 085 and CTS 080)	3
	ISC 220	Lean Manufacturing (ENG 085 and CTS 080)	3
	DFT 243	Basic Die Design (ENG 085 and CTS 080)	4
	DFT 254	Intermediate Solid Modeling and Rendering (DFT 154)	3
	SBE XXX	Social Behavioral Science Elective (ENG 095)	3
TOTAL CREDIT HOURS			72

Diploma		D50320D	
Complete	Course	Credit	
1st Fall			
	MAT 120	Geometry and Trigonometry I (MAT 070)	3
	DDF 211	Design Process I (ENG 085 and CTS 080)	4
	DFT 111	Technical Drafting I (ENG 085 and CTS 080)	2
	DFT111A	Technical Drafting I Lab (DFT 111)	1
	DFT 121	Introduction to Geometric Dimensioning and Tolerance (ENG 085 and CTS 080)	2
	DFT 151	Computer Aided Drafting I (ENG 085 and CTS 080)	3
1st Spring			
	DDF 212	Design Process II (DDF 211)	4
	MEC 145	Manufacturing Materials I (ENG 085 and CTS 080)	3
	DFT 152	Computer Aided Drafting II (DFT 151)	3
	ISC 212	Metrology (ENG 085 and CTS 080)	2
1st Summer			
	ENG 102	Applied Communications II (ENG 085 and CTS 080)	3
	ISC 112	Industrial Safety (ENG 085 and CTS 080)	2
	MEC 110	Introduction to CAD/CAM (ENG 085 and CTS 080)	2
TOTAL CREDIT HOURS			34

Certificate: Computer-Integrated Machining		C50320D	
Complete	Course	Credit	
	DDF 211	Design Process I (ENG 085 and CTS 080)	4
	DFT 151	Computer Aided Drafting I (ENG 085 and CTS 080)	3
	DFT 154	Introduction to Solid Modeling (ENG 085 and CTS 080)	3
	MEC 110	Introduction to CAD/CAM (ENG 085 and CTS 080)	2
	MAC 231	CAM: CNC Turning (MEC 110)	3
	MAC 232	CAM: CNC Milling (MEC 110)	3
TOTAL CREDIT HOURS			18