

HILLSBOROUGH COMMUNITY COLLEGE

ACADEMIC ADVISING GUIDE ♦ ASSOCIATE IN SCIENCE OR ASSOCIATE IN APPLIED SCIENCE ♦ 2008/2009

Degree/Program Code AS.MAN.TECH or AAS.MAN.TECH - MANUFACTURING TECHNOLOGY

This guide does not constitute a contract. It represents the minimum hours and course work you must complete to satisfy degree requirements. Additional preparatory courses may be necessary in reading, English, or mathematics, depending on your placement test scores. You must see an advisor or counselor your first term to determine which preparatory courses are required or to determine if any program revisions have occurred.

GENERAL EDUCATION REQUIREMENTS 19 HOURS

GROUP I COMMUNICATIONS (9 HOURS)

				IP	C
G*ENC	1101	English Composition I	3		
G*SPC	1600	Public Speaking	3		
G*		Select 3 hours from General Education Humanities	3		

GROUP II MATHEMATICS/SCIENCE (3 HOURS)

(These courses are required for an A.S. or A.A.S.)

				IP	C
*MAC	1105	College Algebra	3		

GROUP III SOCIAL SCIENCE (3 HOURS)

				IP	C
G		Select 3 hours from General Education Social Science list	3		

PROGRAM SPECIFIED GENERAL EDUCATION REQUIREMENT

				IP	C
*CHM	1045	College Chemistry I	3		
G*CHM	1045L	College Chemistry I Lab	1		

* Prerequisite and/or corequisite required. See course description in the current HCC catalog.

G GORDON RULE COURSE

At this time, the CLAST is not required for an A.S. Degree; however, students planning to transfer to a state university must pass the CLAST.

Students must apply for a degree by the deadline date (see catalog for details).

Note: All graduated of this AS degree program shall be granted admission into the Engineering Technology baccalaureate degree program at the University of Central Florida.

Total Credits: 64

IP - In Progress
C - Completed Course

PROGRAM REQUIREMENTS (45 HOURS)

Required Courses

				IP	C
CGS	1000	Intro to Computers & Technology	3		
EET	1525C	Industrial Controls I	3		
ETI	1100	Statistical Quality Control	3		
ETI	1181	Quality Sys. & Workplace Dynam.	2		
ETI	1403	Introduction to Advanced Manufacturing	1		
ETI	1701	Process Safety & Hazardous Mat.	2		
ETI	1815	Introduction to Electronics for Advanced Manufacturing	3		
ETI	1840	Vacuum Science	3		
ETI	1840L	Vacuum Lab	1		
ETI	1949	Manufacturing Internship	2		
MAC	1114	Trigonometry	3		
G*PHY	1025	Fundamentals of Physics	3		
*PHY	1025L	Fundamentals of Physics Lab	1		

Specified Electives Group A: Choose 4 hours

ETI	1844	Vacuum Technology	3		
ETI	1844L	Vacuum Technology Lab	1		
ETM	2315	Hydraulics & Pneumatic Systems	3		
ETM	2315L	Hydraulics & Pneumatic Sys. Lab	1		

Specified Electives Group B: Choose 8 hours

CGS	1500	Applied Word Processing	1		
CGS	1510	Spreadsheet Applications	1		
CGS	1520	Business Graphics	1		
CGS	1540	Database Management	1		
CHM	1046	General Chemistry II	3		
CHM	1046L	General Chemistry II Lab	1		
COP	1000	Programming Logic	3		
COP	1220	Programming in "C"	3		
EET	2215L	Electronic Instruments	3		
EET	2526C	Industrial Controls II	3		
EGS	2122C	Geometric Dimens. & Tolerancing	3		
EST	1603C	Introduction to Robotics	3		
EST	1607C	Advanced Robotics	3		
ETI	1411C	Adv. Manufacturing Processes	3		
ETI	1844	Vacuum Technology	3		
ETI	1844L	Vacuum Technology Lab	1		
ETI	2151C	Process Metrology	3		
ETM	2315	Hydraulics & Pneumatic Systems	3		
ETM	2315L	Hydraulics & Pneumatic Syst. Lab	1		
MAC	1147	Pre-Calc. Algebra/Trigonometry	5		
MAC	2311	Calculus & Analytical Geometry	5		
PHY	1054	General Physics II	3		
PHY	1054L	General Physics II Laboratory	1		

Specified Electives Group C: Choose 3 hours

BCN	1250	Introduction to Graphic Technology	3		
EGS	1111	Engineering Graphics	3		
ETD	1030C	Drafting Technology	3		