



ASSOCIATE OF APPLIED SCIENCE (A.A.S.)

GCC ADVISEMENT CHECK SHEET 2007-2008

See reverse side for course options



The Electronics Manufacturing Technology program consists of two tracks: Manufacturing and Electronics. Both tracks prepare students for entry-level positions. They also provide an opportunity for those interested or currently working in the field to upgrade or learn new skills that are necessary to be employed in these industries. General industry skills such as safety, quality assurance, communications, and teaming are included in both tracks.

Students are responsible for proper selection of courses and admission to University and professional programs.

Name	SID	Electronics Manufacturing Technology 67 Credits Major Code: 3221 Effective First Year/Term: 2004 Fall
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I. GENERAL EDUCATION CORE (9-12 Credits)			
(Must earn a grade of "C" or higher)	CRS	GR	SEM
FIRST-YEAR COMPOSITION			
ENG101 OR ENG107	3		
ENG102, ENG111 OR ENG108	3		
ORAL COMMUNICATION			
COM100, 110, 225, OR 230	3		
CRITICAL READING			
CRE101, CRE111 OR TEST EXEMPT	0-3		
MATHEMATICS			
Met by ELT102	0		

II. GENERAL EDUCATION DISTRIBUTION (10 Credits)			
	CRS	GR	SEM
HUMANITIES AND FINE ARTS			
	3		
SOCIAL AND BEHAVIORAL SCIENCES			
	3		
NATURAL SCIENCES			
CHM130 Fundamental Chemistry (3) AND			
CHM130LL Fundamental Chemistry Lab (1)	4		
COMMENTS:			

Students must earn a grade of "C" or better in all courses within the program.

III. PROGRAM PREREQUISITES (8 Credits)		CRS	GR	SEM
ELT100	Survey of Electronics	3		
ELT101	Mathematics for Electronics I	3		
ELT108	Scientific Calculators	1		
NET127	How Computers Work	1		

IV. REQUIRED COURSES (45 Credits)			
	CRS	GR	SEM
CPD126	Writing Resumes	1	
ELT102	Mathematics for Electronics II	3	
ELT113	Basic Electronics	4	
ELT131	Digital and Logic Circuits	4	
NET181	Visual BASIC for Technology	3	
NET183AA	Operating Systems/PC	2	

	CRS	GR	SEM
ELT195	Solid State Electronics	4	
ELT251	Electronic Instrumentation	3	
MIT106	Industrial Safety	2	
MIT153	Statistical Tchnqs in Process Control	2	
MIT185	Electromechanical Devices	3	
MIT209	Automated Manufacturing	3	

Students must complete one of the following specialized tracks:

Manufacturing Track: 11 Credits			
	CRS	GR	SEM
MIT110	Semiconductor Manufacturing Tech I	3	
MIT111	Semiconductor Manufacturing Tech II	3	
MIT181	Introduction to Fluid Power	3	
ECE103AB	Engineering Problem Solving/Design	2	

Electronics Track: 11 Credits			
	CRS	GR	SEM
ELT241	Microcontrollers	4	
ELT243	Microprocessor Fundamentals	3	
ELT261	Communications Electronics	4	



Required and/or Restricted Electives Courses in the AAS degree curricula, excluding General Education Core and Distribution area, must be earned at the college awarding the degree. The course evaluation and/or general education designation as listed, is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change.

See <http://www.dist.maricopa.edu/academic/curric> for further information.

GENERAL EDUCATION CORE

(15 credits - grade of "C" or better.)

Demonstrate college-level skills in the following areas:

First-Year Composition (6 credits)

ENG English [101/107] & [102/108/111]

Oral Communication (3 credits)

COM Communication 100/100AA & 100AB & 100AC/110/110AA & 110AB & 110AC/225/230

Critical Reading (3 credits)

CRE Critical Reading 101/111/Equivalent as indicated by assessment

Mathematics (3 credits)

MAT Mathematics 102/105/120/121/122/122AA/122AB/122AC/126/140/141/142/150/151/151AA/151AB/151AC/151AD/152/156//172/182/187/206/212/213/220/221/225/227/230/231/240/241/251/261/262/ equivalent course/
Satisfactory completion of a higher level mathematics course

GENERAL EDUCATION DISTRIBUTION

AREAS (9-10 credits)

Humanities and Fine Arts (2-3 credits)

Students are encouraged to choose courses from more than one discipline.

AIS American Indian Studies 213
AJS Administration of Justice Studies 123
ARH Art Humanities Any ARH Course(s)
ASB Anthropology 211/220/222/223
COM Communication 241
DAH Dance Humanities 100/201
EDU Education 291/292/294
ENG English 200
ENH English Humanities Any ENH Course(s)
FRE French 265/266
HCR Health Care Related 210
HIS History 101/102/103/111/243/253
HUM Humanities Any HUM course(s) (EXCEPT 203, 207)
INT Interior Design 115/120/225
LAT Latin 201/202
MHL Music: History/Literature 140/143/145/146/153/155
PHI Philosophy Any PHI Course(s) (EXCEPT 113)
REL Religious Studies Any REL Course(s)
SPA Spanish 241/242/265/266
SPH Spanish Humanities 245
STO Storytelling 292/294
TCM Telecommunication 145
THE Theater 111/205/206/210/260
THP Theater/Performance/Production 241
WST Women's Studies 209/284/285/290

Social and Behavioral Sciences (3 credits)

Students are encouraged to choose courses from more than one discipline.

AIS American Indian Studies 101/105/140/141/160/170
AFR African American Studies 110/202/203/204
AJS Administration of Justice Studies 101/200/258/259/270
ASB Anthropology 100/102/202/211/214/222/223/230/235/238/245
ASM Anthropology 104
CFS Child/Family Studies 157/159/176/205/259
COM Communications 100/100AA & 100AB & 100AC/110/110AA & 110AB & 110AC/230/250/263
ECH Early Childhood Education 176
ECN Economics Any ECN course(s)
EDU Education 221/222
EMT Emergency Medical Technology 258
FSC Fire Science 258
FUS Future Studies 101
GBS General Business 280
GCU Cultural Geography 102/121/122/141/221/223/253
HES Health Science 100
HIS History Any HIS course(s)
IBS International Business 109
MCO Mass Communications 120
PHI Philosophy 243
POS Political Science Any POS course(s)
PSY Psychology 101/123/125/132/156/157/215/218/225/235/240/245/250/258/259/260/266/270/277/280/281/292
REC Recreation 120/160
REL Religious Studies 243
SBU Society and Business 200
SOC Sociology Any SOC course(s) (EXCEPT 242)
SWU Social Work 102/171/258/292
TEC Textiles and Clothing 106
WED Wellness Education 100/110
WST Women's Studies 100/105/110/120/160/161
YAQ Yaqui Indian History and Culture 100

Natural Sciences (4 credits)

The lecture course(s) selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. The lecture and corresponding laboratory course(s) may carry separate credit. Students should consult with an advisor for appropriate course selection.

AGS Agricultural Science 164
ASB Anthropology 231
ASM Anthropology 104/265
AST Astronomy 101/102/111/112/113/114
BIO Biology 100/101/102/105/107/108/109/149AN/145/150/156/160/181/182/201/205/241/247
CHM Chemistry 107/107LL/130/130LL/151/151LL/152/152LL/154/154LL/230/230LL
FON Food and Nutrition 241&241LL
FOR Forensic Science 105/106
GLG Geology Any GLG course(s) (EXCEPT 140/251MC/275)
GPH Physical Geography 111/112/113/212/213/214/215
ISS Interdisciplinary Science Studies 111/112
PHS Physical Science 110/120
PHY Physics 101/111/112/115/116/121/131/252
PSY Psychology 290AB/290