

Southwestern Indian Polytechnic Institute
 Department of Advanced Technical Education
 PROGRAM OF STUDY – ASSOCIATE OF APPLIED SCIENCE
 COMPUTER INTEGRATED MANUFACTURING TECHNOLOGY – 15.0613

Student _____ ID Number _____
 Last First MI

Entry or Readmission Date _____ Advisor _____

SIPI Catalog Edition: 2006

TECHNICAL PROGRAM REQUIREMENT (43 Cr. Hrs. Required)

Course No.	Course Title	Credit	Term/Year	Grade	Accepted as Transfer or Substitute Course
ELEC 101A	Basic DC Electronics	3	_____	_____	_____
ELEC 101L	Basic DC Electronics Lab	2	_____	_____	_____
ELEC 105A	Basic AC Electronics	3	_____	_____	_____
ELEC 105L	Basic AC Electronics Lab	2	_____	_____	_____
ELEC 118L	Electromechanical Control Devices	3	_____	_____	_____
ELEC 218L	Electromechanical Control Systems	3	_____	_____	_____
DDET 281	Statistical Process Control	3	_____	_____	_____
MT 105	Manufacturing Concepts and Practices I	3	_____	_____	_____
MT 115	Manufacturing Concepts and Practices II	3	_____	_____	_____
MT 120L	Manufacturing Processes and Equipment	4	_____	_____	_____
MT 201	AutoCAD and Blueprint Reading for the Machine Trades	3	_____	_____	_____
MT 211L	Introduction to Computer Numerical Control	4	_____	_____	_____
MT 212L	Advanced Computer Numerical Control	4	_____	_____	_____
MT 247	Materials Science and Analysis	3	_____	_____	_____

ACADEMIC REQUIREMENT (22 Cr. Hrs. Required)

Communication (6 Cr. Hrs. Required)

ENGL 101	Composition	3	_____	_____	_____
ENGL 119	Technical Communication	3	_____	_____	_____

Mathematics (9 Cr. Hrs. Required)

MATH 121	College Algebra	3	_____	_____	_____
MATH 123	Trigonometry	3	_____	_____	_____
MATH 150	Advanced College Algebra	3	_____	_____	_____

Laboratory Science (4 Cr. Hrs. Required)

PHYS 151	General Physics	3	_____	_____	_____
PHYS 151L	General Physics Lab	1	_____	_____	_____

**Humanities/Fine Arts/Social/Behavioral Science/Speech
 Elective (3 Cr. Hrs. Required)**

_____	_____	3	_____	_____	_____
-------	-------	---	-------	-------	-------

Select from: ARTH 101, ARTH 102, ARTH 131, GEOG 101,
 HIST 101, HIST 161, HIST 162, HIST 181, LITR 211, LITR
 270, LITR 296, NAVA 101, NAVA 102, NAVA 103, SPAN
 101, SPAN 102, ANTH 101, ANTH 130, PSYC 105, POSC
 110, POSC 200, SOSOC 101, SOSOC 210, or SPCH 130

TOTAL CREDIT HOURS REQUIRED FOR AN ASSOCIATE IN APPLIED SCIENCE DEGREE: 65

Note: The minimum grade requirement for awarding an Associate of Applied Science Degree in Computer Integrated Manufacturing Technology is a "C" or better in all required courses.

February 14, 2006

Approvals:

 Department Chair, Advanced Technical Education

 Vice President of Academic Programs