

# Manufacturing Programs

## **Machining Technology**

- 2 Machining Technology-AAS
- 4 Basic Machining Technology-Certificate
- 5 Machining Technology-Certificate

## **Manufacturing Engineering Technology**

- 6 Manufacturing Engineering Technology-AAS
- 7 Manufacturing Engineering Technology-Certificate
- 8 Manufacturing Process-Certificate
- 9 Manufacturing Engineering Technology-Plastic Engineering Technology Specialization-AAS
- 10 Manufacturing Engineering Technology-Plastic Engineering Technology-Certificate

## **Welding**

- 11 Basic Welding Helper-Certificate
- 12 Basic Welding-Certificate
- 13 Welding-Mig Specialization-Certificate
- 14 Welding- Pipe Specialization-Certificate
- 15 Welding-TIG Specialization-Certificate

**HOUSTON COMMUNITY COLLEGE SYSTEM  
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION**

\_\_\_ FA \_\_\_ VA

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 08-09

**MACHINING TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	Transfer/ Institution	Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
<b>FIRST YEAR</b>						
<b>FIRST SEMESTER</b>						
MCHN 1201 Beginning Machine Shop						
MCHN 1217 Machining I						
MCHN 1211 Basic Lathe I						
MCHN 1220 Basic Lathe II						
MCHN 1214 Milling Machine I						
MCHN 1221 Milling Machine II						
MCHN 1391 Special Topics in Machinist/ Machine Technologist						
<b>SECOND SEMESTER</b>						
MCHN 1230 Statistical Process Control for Machinist						
MCHN 2231 Advanced Engine Lathe I						
MCHN 2235 Advanced Engine Lathe II						
MCHN 2230 Milling Machine III						
MCHN 2238 Milling Machine IV						
MCHN 2234 Tools and Fixtures I						
MCHN 2239 Tools and Fixtures II						
MCHN 1291 Special Topics in Machinist/ Machine Technologist						
<b>SECOND YEAR</b>						
<b>FIRST SEMESTER</b>						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
PSYC 2302 Applied Psychology						
HYDR 1309 Basic Fluid Power I (Hydraulics)						
HYDR 1315 Basic Fluid Power II (Pneumatics)						
<b>SECOND SEMESTER</b>						
ENGL 2311 Technical and Industrial Correspondence and Report Writing						
MATH 1316 Plane Trigonometry						
XXXX #3## Approved Humanities/Fine Arts Elective						
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**MANUFACTURING ENGINEERING TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE**

HCCS Course Requirement	Transfer/ Institution	Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
FIRST YEAR						
FIRST SEMESTER						
INMT 1248 Manufacturing Processes (Short Course)						
INMT 1249 Manufacturing Processes (Short Course)						
XXXX #3## Approved Humanities/Fine Arts Gen. Ed. Elec.						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
SECOND SEMESTER						
INMT 1242 CAD-CAM (Short Course)						
INMT 1243 CAD-CAM (Short Course)						
INMT 1244 Computer Numerical Controls (Short Course)						
INMT 1245 Computer Numerical Controls (Short Course)						
MATH 1316 Plane Trigonometry						
XXXX #3## Social Science General Education Elective						
ENTC 1423 Strength of Materials						
SECOND YEAR						
FIRST SEMESTER						
INMT 1391 Special Topics-Plant Layout						
INMT 1391 Special Topics-Time and Motion Study						
PHYS 1401 College Physics						
ENGL 2311 Technical and Industrial Correspondence and Report Writing						
HYDR 1309 Basic Fluid Power 1 (Hydraulics)						
HYDR 1315 Basic Fluid Power 2 (Pneumatics)						
SECOND SEMESTER						
INMT 1391 Special Topics-Principles of Tool Design						
INMT 1317 Industrial Automation						
INMT 1240 Computer Integrated Manufacturing (Short Course)						
INMT 1241 Computer Integrated Manufacturing (Short Course)						
ENTC 1301 Robotics I						
INMT 1380 Cooperative Education -Industrial/ Manufacturing Technology/Technician						





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**MANUFACTURING ENGINEERING TECHNOLOGY - AAS - PLASTIC ENGINEERING TECHNOLOGY SPECIALIZATION**

HCCS Course Requirement	Transfer/ Institution	Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
FIRST YEAR						
FIRST SEMESTER						
PLTC 1301 Introduction to Plastics						
INMT 1248 Manufacturing Processes (Short Course)						
INMT 1249 Manufacturing Processes (Short Course)						
INMT 1391 Special Topics in Manufacturing Tech./Technician						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
XXXX #3## Social Science General Education Elective						
SECOND SEMESTER						
XXXX #3## Approved Humanities/Fine Arts Gen. Ed. Elective						
MATH 1316 Plane Trigonometry						
PLTC 1303 Plastics Composites						
PLTC 1306 Plastic Quality Control						
INMT 1242 CAD-CAM I (Short Course)						
INMT 1243 CAD-CAM II (Short Course)						
SECOND YEAR						
FIRST SEMESTER						
HYDR 1315 Basic Fluid Power II (Pneumatics)						
HYDR 1309 Basic Fluid Power I (Hydraulics)						
INMT 1380 Cooperative Education -Manufacturing Technology/Technician						
ENGL 2311 Technical and Industrial Correspondence and Report Writing						
INMT 1391 Special Topics in Manufacturing Technology/Technician						
SECOND SEMESTER						
INMT 1240 Computer Integrated Manufacturing (Short Course)						
INMT 1241 Computer Integrated Manufacturing (Short Course)						
PLTC 1343 Mold Design and Maintenance						
INMT 1391 Special Topics in Manufacturing Tech./Technician						
INMT 1317 Industrial Automation						
PLTC 1445 Plastic Processes I						











