

Manufacturing and Construction Trades Programs

- 2 Carpentry Helper-Certificate
- 3 Finish Carpentry Specialization-Certificate
- 4 Rough Carpentry Specialization-Certificate
- 5 Construction Technology-AAS
- 6 Craft Management Specialization-AAS
- 7 Heating, Air Conditioning and Refrigeration-Certificate
- 8 Heating, Air Conditioning and Refrigeration Commercial Technician-Certificate
- 9 Heating, Air Conditioning and Refrigeration Technician/Installer-Certificate
- 10 Electrical Helper-Certificate
- 11 Industrial Automation Technology-Certificate
- 12 Electrical Power Technology-Certificate
- 13 Cable and Network Installer-Certificate
- 14 Cable and Network Technician-Certificate
- 15 Machining Technology-AAS
- 17 Basic Machining Technology-Certificate
- 18 Machining Technology-Certificate
- 19 Manufacturing Engineering Technology-AAS
- 20 Manufacturing Engineering Technology-Certificate
- 21 Manufacturing Processes-Certificate
- 22 Manufacturing Engineering Technology-Plastic Engineering Technology-AAS
- 23 Manufacturing Engineering Technology-Plastic Engineering Technology-Certificate
- 24 Basic Welding Helper-Certificate
- 25 Basic Welding-Certificate
- 26 MIG Welding Specialization-Certificate
- 27 Pipe Welding Specialization-Certificate
- 28 TIG Welding Specialization-Certificate

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

___ FA ___ VA

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 04-05

CONSTRUCTION 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						
CNBT 1201 Introduction to Construction						
CNBT 1305 Residential and Light Commercial Blueprint Reading...						
CNBT 1416 Construction Technology I						
RELE 1307 Real Estate Investment						
SECOND SEMESTER						
CNBT 1450 Construction Technology II						
CNBT 1302 Mechanical, Plumbing and Electrical Systems in Construction						
ENGL 1301 Composition I						
GEOL 1403 Physical Geology						
CNBT 1311 Construction Methods and Materials						
SECOND YEAR						
FIRST SEMESTER						
PSYC 2303 Business Psychology OR						
XXXX #3## Social Science General Education Elective						
CNBT 2342 Construction Management I						
CNBT 1453 Construction Technology III						
CNBT #3## Program Elective*						
ENGL 2311 Technical and Industrial Correspondence and Report Writing						
SECOND SEMESTER						
CNBT 2344 Construction Management II						
RELE 1309 Real Estate Law						
CNBT #3## Program Elective*						
CNBT 2439 Construction Technology IV OR						
CNBT 2380 Cooperative Education						
XXXX #3## Approved Humanities/Fine Arts General Education Elective						

*Approved Program Electives: CNBT 1342, Building Codes and Inspections; CNBT 1346, Construction Estimating I; CNBT 2335, Computer-Aided Construction Scheduling; CNBT 2340, Mechanical, Electrical, and Plumbing Systems for Buildings II.

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___ FA ___ VA

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 05-06

MACHINING 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						
MCHN 1237 Machining I - Part I						
MCHN 1238 Machining I - Part II						
MCHN 1206 Basic Lathe I						
MCHN 1212 Basic Milling Operations I						
MCHN 1207 Basic Lathe II						
MCHN 1213 Basic Milling Operations II						
MCHN 1391 Special Topics-Machinist						
SECOND SEMESTER						
MCHN 1230 Statistical Process Control						
MCHN 2232 Advanced Lathe Operations I						
MCHN 2233 Advanced Lathe Operations II						
MCHN 2236 Advanced Milling Operations I						
MCHN 2237 Advanced Milling Operations II						
MCHN 2247 Specialized Tools and Fixtures I						
MCHN 2248 Specialized Tools and Fixtures II						
MCHN 1291 Special Topics-Machinist						
SECOND YEAR						
FIRST SEMESTER						
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)						
SECOND SEMESTER						
ENGL 2311 Technical and Industrial Correspondence and Report Writing						
MATH 1316 Plane Trigonometry						
XXXX #3## Approved Humanities/Fine Arts Elective						
ENTC 1301 Robotics I						
INMT 1240 Computer Integrated Manufacturing (Part 1)						

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

___ FA ___ VA

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 04-05

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 (Part I)						
INMT 1249 Manufacturing Processes (Part II)						
CETT 1409 DC-AC Circuits						
XXXX #3## Approved Humanities/Fine Arts Gen. Ed. Elective						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
SECOND SEMESTER						
INMT 1242 CAD-CAM I						
INMT 1243 CAD-CAM II						
INMT 1244 Computer Numerical Controls (Part I)						
INMT 1245 Computer Numerical Controls (Part II)						
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 1347 Industrial Automation						
INMT 1240 Computer Integrated Manufacturing (Part I)						
INMT 1241 Computer Integrated Manufacturing (Part II)						
ENTC 1301 Robotics I						
INMT 1380 Cooperative Education - Industrial/Manufacturing Technology/Technician						

**HOUSTON COMMUNITY COLLEGE SYSTEM
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NAME:	SS#:	DATE:
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MANUFACTURING ENGINEERING TECHNOLOGY - AAS - PLASTIC ENGINEERING TECHNOLOGY SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
FIRST YEAR						
FIRST SEMESTER						
PLTC 1301 Introduction to Plastics						
INMT 1248 Manufacturing Processes (Part I)						
INMT 1249 Manufacturing Processes (Part II)						
INMT 1391 Special Topics-Plant Layout						
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						
INMT 1243 CAD-CAM II						
SECOND YEAR						
FIRST SEMESTER						
HYDR 1315 Basic Fluid Power II (Peumatics)						
HYDR 1309 Basic Fluid Power I (Hydraulics)						
INMT 1380 Cooperative Education - Industrial/Manufacturing Technology/Technician						
ENGL 2314 Elective						
INMT 1391 Special Topics in Manufacturing Technology/Technician						
SECOND SEMESTER						
INMT 1240 Computer Integrated Manufacturing (Part I)						
INMT 1241 Computer Integrated Manufacturing (Part II)						
PLTC 1343 Mold Design and Maintenance						
PLTC 1445 Plastic Processes I						
INMT 1391 Special Topics in Manufacturing Technology/Technician						
INMT 1347 Industrial Automation						

