

Manufacturing and Construction Trades Programs

Carpentry

2 Carpentry Helper-Certificate

3 Carpentry-Certificate

Construction Technology

4 Construction Technology-AAS

5 Craft Management Specialization-AAS

Heating, Air Conditioning and Refrigeration

6 Heating, Air Conditioning and Refrigeration Mechanic-Certificate

7 Heating, Air Conditioning and Refrigeration Commercial Technician-Certificate

8 Heating, Air Conditioning and Refrigeration Technician/Installer-Certificate

Industrial Electricity

9 Electrical Helper-Certificate

10 Industrial Automation Technology-Certificate

11 Electrical Power Technology-Certificate

12 Advanced Electrical Systems Installation Technician-Certificate

13 Cable and Network Installer-Certificate

14 Cable and Network Technician-Certificate

Machining Technology

15 Machining Technology-AAS

17 Basic Machining Technology-Certificate

18 Machining Technology-Certificate

Manufacturing Engineering Technology

19 Manufacturing Engineering Technology-AAS

20 Manufacturing Engineering Technology-Certificate

21 Manufacturing Processes-Certificate

22 Manufacturing Engineering Technology-Plastic Engineering Technology Specialization-AAS

23 Manufacturing Engineering Technology-Plastic Engineering Technology-Certificate

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

___ FA ___ VA

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 06-07

CONSTRUCTION TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/ Institution	Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI Testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
CNBT 1201 Introduction to Construction Industry						
DFTG 1315 Architectural Blueprint Reading						
CNBT 1316 Construction Technology I						
GEOL 1403 Physical Geology						
CNBT #3## Approved Construction Technical Elective						
SECOND SEMESTER						
CNBT 1350 Construction Technology II						
CNBT 1346 Construction Estimating I						
CNBT 1302 Mechanical, Plumbing and Electrical Systems in Construction						
ENGL 1301 Composition I						
CNBT 1311 Construction Methods and Materials I						
SECOND YEAR						
FIRST SEMESTER						
ENGL 2311 Technical and Industrial Correspondence and Report Writing						
PSYC 2303 Business Psychology OR						
XXXX #3## Social Science General Education Elective						
CNBT 2342 Construction Management I						
CNBT 2337 Construction Management II						
CNBT #3## Approved Construction Technical Elective						
SECOND SEMESTER						
XXXX #3## Approved Humanities/Fine Arts General Education Elective						
CNBT 2344 Construction Management II						
CNBT 1342 Building Codes and Inspections						
CNBT 2335 Computer- Aided Construction Scheduling						
CNBT 2340 Mechanical, Electrical, and Plumbing Systems for Buildings II OR						
CNBT 2380 Cooperative Education						

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NAME:	SS#:	DATE:
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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 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						
SECOND SEMESTER						
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						
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						
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___ FA ___ VA

NAME:	SS#:	DATE:
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MANUFACTURING ENGINEERING TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	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. Elec.						
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 1317 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						

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NAME:	SS#:	DATE:
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MANUFACTURING ENGINEERING TECHNOLOGY - AAS - PLASTIC ENGINEERING TECHNOLOGY SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution		Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
	Institution	Course				
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 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 (Part I)						
INMT 1243 CAD-CAM II (Part II)						
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 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 Tech./Technician						
INMT 1317 Industrial Automation						

