Science and Engineering and Mathematics Programs

Engineering and Technology

Biotechnology

2 Biotechnology-AAS

3 Biotechnology-Certificate

Chemical Engineering Technology

4 Chemical Engineering Technology- AAS

Chemical Laboratory Technology

5 Chemical Laboratory Technology-AAS

7 Chemical Laboratory Technology-Certificate

8 Chemical Laboratory Technology - Polymer Technology Specialization - Certificate

Drafting and Design Engineering Technology

9 Drafting and Design Engineering Technology-General Computer-Aided Design Drafting- AAS

10 Computer- Aided Drafting- General Drafting Certificate

11 Building Design Drafting Specialization- AAS

12 Computer- Aided Drafting- Architectural Drafting Specialization- Certificate

13 Electromechanical Design Specialization-AAS (Deactivated as of September 1, 2011)

14 Computer- Aided Drafting- Electromechanical Design Specialization-Certificate (Deactivated as of September 1, 2011)

15 Mechanical Design Drafting Specialization-AAS

16 Computer- Aided Drafting- Machine Drafting Specialization-Certificate

17 Piping Design Drafting Specialization- AAS

18 Computer- Aided Drafting- Pipe Drafting Specialization- Certificate

19 Computer- Aided Drafting- Certificate - Civil Drafting Specialization

The following Computer-Aided Drafting Designer Specialization certificates and MSA will be deactivated as of September 1, 2011: (20, 21, 22, 23, 24, 25 and 26)

20 Computer- Aided Drafting- Designer - Certificate

21 Computer- Aided Drafting- Designer- Architectural Drafting Specialization- Certificate

22 Computer- Aided Drafting- Designer- Piping Drafting Specialization- Certificate

23 Computer- Aided Drafting- Designer- Mechanical Drafting Specialization- Certificate

24 Computer- Aided Drafting- Designer- Electro- Mechanical Drafting Spec.- Certificate

25 Computer- Aided Drafting- Designer- Civil/Structural Drafting Spec.- Certificate

26 Computer- Aided Drafting- Designer- Basic Piping Drafting-MSA

Electronics Engineering Technology

27 Biomedical Electronics Specialization-AAS

28 Computer Engineering Technology Specialization-AAS

29 Electrical Power Specialization-AAS

30 Telecommunications Specialization-AAS

31 Telecommunications Specialization-Certificate

32 Basic Electronics-Certificate

33 Computer Servicing/Networks-Certificate

34 Network Security-Certificate (Deactivated as of September 1, 2011)

Instrumentation and Controls Engineering Technology

35 Instrumentation and Controls Engineering Technology-AAS

36 Instrumentation and Controls Engineering Technology-Certificate

37 Solar Energy Technology-Photovoltaic-Certificate

38 Solar Energy Technology-Thermal-Certificate

39 Wind Energy Technology-Certificate

Petroleum Engineering Technology

40 Petroleum Engineering Technology- AAS

41 Petroleum Engineering Technology- Certificate

Process Technology

42 Process Technology-AAS

43 Process Technology-Process Operator-Certificate

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

BIOTECHNOLOGY- ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	Transfer/Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
BITC 1311 Introduction to Biotechnology						
BITC 1402 Biotechnology Laboratory Methods and Techniques						
MATH 1314 College Algebra						
SCIT 1414 Applied General Chemistry I OR						
CHEM 1411 General Chemistry I						
SECOND SEMESTER						
BITC 2411 Biotechnology Laboratory Instrumentation						
BIOL 1406 General Biology I						
ENGL 1301 Composition I						
BITC 1370 Introduction to Biochemistry						
THIRD SEMESTER						
SCIT 2401 Applied Organic Chemistry I OR						
CHEM 2423 Organic Chemistry I						
XXXX #3## Social/Behavioral Science General Ed. Elective						
BITC 1470 Principles of BioFuels and Biosafety						
SECOND YEAR						
FIRST SEMESTER						
BITC 2431 Cell Culture Techniques						
BITC 2441 Molecular Biology Techniques						
BIOL 2420 Microbiology						
BIOL 2401 Anatomy and Physiology I OR						
SCIT 1407 Applied Human Anatomy and Physiology I						
SECOND SEMESTER						
BITC 2445 Medical Biotechnology						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
BITC 2386 Internship- Biological Technology/Technician						
BITC 1491 Special Topics in Biological Tech/Technician						
BITC 2472 Immunological Methods and Techniques						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

BIOTECHNOLOGY - CERTIFICATE - BIOTECHNOLOGY

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
First Semester						
ENGR 1201 Introduction to Engineering						
BITC 1311 Introduction to Biotechnology						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
CHEM 1411 General Chemistry I OR						
SCIT 1414 Applied General Chemistry I						
Second Semester						
BITC 1402 Biotechnology Laboratory Methods						
and Techniques						
BITC 1370 Introduction to Biochemistry						
BIOL 1406 General Biology I						
Third Semester						
BITC 1491 Special Topics in Biological Technology/						
Technician						
BITC 2411 Biotechnology Laboratory Instrumentation						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

CHEMICAL ENGINEERING TECHNOLOGY- ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
CTEC 1391 Special Topics in Chemical Technology/Technician						
PTAC 1308 Safety, Health, and Environment I						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
SECOND SEMESTER						
SCIT 1414 Applied General Chemistry I OR						
CHEM 1411 General Chemistry						
SCIT 1418 Applied Physics I OR						
PHYS 1401 College Physics I						
MATH 1325 Elements of Calculus with Applications						
PTAC 1332 Process Instrumentation I						
THIRD SEMESTER						
CTEC 1470 Principles of Pipeline Technology						
SCIT 2401 Applied Organic Chemistry I OR						
CHEM 2423 Organic Chemistry I						
PTAC 1410 Process Technology I- Equipment						
SECOND YEAR						
FIRST SEMESTER						
SCIT 1543 Applied Analytical Chemistry						
SOCI 1301 Introduction to Sociology						
CTEC 2470 Process Control and Design						
PTAC 2420 Process Technology II- Systems						
SECOND SEMESTER						
CTEC 2386 Internship- Chemical Technology/Tech. OR						
CTEC 1391 Special Topics in Chemical						
Technology/Technician						
PTAC 2446 Process Troubleshooting						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
CTEC 2445 Unit Operations						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

CHEMICAL LABORATORY TECHNOLOGY- ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
CTEC 1213 Introduction to Chemical Technology						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
XXXX #3## Department Approved Elective						
PSYC 2301 Introduction to Psychology OR						
PSYC 2303 Business Psychology						
SECOND SEMESTER						
SCIT 1414 Applied General Chemistry I OR						
CHEM 1411 General Chemistry I						
BIOL 1406 General Biology I OR						
PHYS 1401 College Physics						
MATH 1342 Statistics						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
THIRD SEMESTER						
SCIT 1543 Applied Analytical Chemistry						
SCIT 1415 Applied General Chemistry II OR						
CHEM 1412 General Chemistry II						
SECOND YEAR						
FIRST SEMESTER						
CTEC 1441 Applied Instrumental Analysis I						
SCIT 2401 Applied Organic Chemistry I OR						
CHEM 2423 Organic Chemistry I						
XXXX #4## Department Approved Program-Related Elective*						
(Continued on page 2)						

*Electives: PTAC 2314, PTAC 2334; GEOL 1403, GEOL 1404; CTEC 2441, CTEC 1349, CTEC 1345, CTEC 2443, CTEC 2445, CTEC 1401, EPTC 1427, EPTC 2414 or other department approved elective.

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

CHEMICAL LABORATORY TECHNOLOGY- ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
SECOND SEMESTER						
SCIT 2402 Applied Organic Chemistry II OR						
CHEM 2425 Organic Chemistry II						
XXXX #3## Department Approved Program-						
Related Elective*						
CTEC 2381 Cooperative Education OR						
CTEC 2386 Internship-Chemical Technology/Tech. OR						
CTEC 2333 Comprehensive Studies in Chemical						
Technology						
CTEC 2431 Applied Instrumental Analysis II						

*Electives: PTAC 2314, PTAC 2334; GEOL 1403, GEOL 1404; CTEC 2441, CTEC 1349, CTEC 1345, CTEC 2443, CTEC 2445, CTEC 1401, EPTC 1427, EPTC 2414 or other department approved elective.

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

CHEMICAL LABORATORY TECHNOLOGY - CERTIFICATE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
ENGR 1201 Introduction to Engineering						
CTEC 1213 Introduction to Chemical Technology						
MATH 1314 College Algebra						
SCIT 1414 Applied General Chemistry I OR						
CHEM 1411 General Chemistry I						
Second Semester						
SCIT 2401 Applied Organic Chemistry I OR						
CHEM 2423 Organic Chemistry I						
SCIT 1543 Applied Analytical Chemistry						
Third Semester						
SCIT 2402 Applied Organic Chemistry II OR						
CHEM 2425 Organic Chemistry II						
CTEC 1441 Applied Instrumental Analysis I						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

CHEMICAL LABORATORY TECHNOLOGY - CERTIFICATE - POLYMER TECHNOLOGY SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
CTEC 1213 Introduction to Chemical Technology						
MATH 1314 College Algebra						
CHEM 1411 General Chemistry I OR						
SCIT 1414 Applied General Chemistry I						
SECOND SEMESTER						
CHEM 2423 Organic Chemistry I OR						
SCIT 2401 Applied Organic Chemistry I						
CTEC 2441 Polymers I						
SCIT 1543 Applied Analytical Chemistry						
THIRD SEMESTER						
CTEC 1441 Applied Instrumental Analysis I						
CTEC 2443 Polymers II						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

DRAFTING AND DESIGN ENGINEERING TECHNOLOGY- AAS- GENERAL COMPUTER-AIDED DESIGN DRAFTING

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
PSYC 2301 Introduction to Psychology						
DFTG 1309 Basic Computer-Aided Drafting						
SECOND SEMESTER						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 1358 Electrical/ Electronics Drafting						
ENGL 2311 Technical and Industrial Correspondence						
and Report Writing						
DFTG 1333 Mechanical Drafting						
DFTG 2317 Descriptive Geometry						
THIRD SEMESTER						
MATH 1316 Plane Trigonometry						
SECOND YEAR						
FIRST SEMESTER						
DFTG 2332 Advanced CAD						
DFTG 2302 Machine Drafting						
DFTG 2323 Pipe Drafting						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
DFTG 1310 Specialized Basic Computer Aided						
Drafting (CAD)						
SECOND SEMESTER						
DFTG 2330 Civil Drafting						
ARCE 1352 Structural Drafting						
DFTG 1317 Architectural Drafting- Residential						
DFTG 2308 Instrumentation Drafting						
DFTG 2335 Advanced Tech.Mechanical Design and Drafting						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER-AIDED DRAFTING-GENERAL DRAFTING CERTIFICATE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer-Aided Drafting						
MATH 1314 College Algebra						
DFTG 1310 Specialized Basic Computer-Aided Drafting						
SECOND SEMESTER						
DFTG 1358 Electrical/ Electronics Drafting						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 1333 Mechanical Drafting						
DFTG 1317 Architectural Drafting- Residential						
DFTG 2308 Instrumentation Drafting						
Second Year						
FIRST SEMESTER						
ARCE 1352 Structural Drafting						
DFTG 2323 Pipe Drafting						
DFTG 2330 Civil Drafting						
DFTG 1329 Electro-Mechanical Drafting						
DFTG 2332 Advanced CAD						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

DRAFTING AND DESIGN ENGINEERING TECHNOLOGY- AAS-BUILDING DESIGN DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Year						
First Semester						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
ENGL 1301 Composition I						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer- Aided Drafting						
MATH 1314 College Algebra						
ARCE 1303 Architectural Material and Methods						
Second Semester						
DFTG 1317 Architectural Drafting- Residential						
DFTG 2319 Intermediate Computer- Aided Drafting						
PSYC 2301 Introduction to Psychology						
MATH 1316 Plane Trigonometry						
ARCE 1352 Structural Drafting						
SECOND YEAR						
First Semester						
XXXX #3## Humanities/ Fine Arts Elective						
DFTG 2300 Intermediate Architectural Drafting-Residential						
SRVY 1301 Introduction to Surveying						
ENGL 2311 Tech. & Ind. Correspondence & Report Writing						
DFTG 1392 Special Topics in Architectural						
Drafting and Architectural CAD/CADD						
Second Semester						
ARCE 1342 Codes, Specifications, Contract Documents						
ARCE 2352 Mechanical and Electrical Systems						
DFTG 1376 Revit Residential						
DFTG 2330 Civil Drafting						
DFTG 2328 Architectural Drafting- Commercial						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER-AIDED DRAFTING- CERTIFICATE- ARCHITECTURAL DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer-Aided Drafting						
SRVY 1301 Introduction to Surveying						
MATH 1314 College Algebra						
SECOND SEMESTER						
ARCE 1352 Structural Drafting						
DFTG 1317 Architectural Drafting-Residential						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 2330 Civil Drafting						
SECOND YEAR						
FIRST SEMESTER						
DFTG 2328 Architectural Drafting- Commercial						
DFTG 2300 Intermediate Architectural Drafting- Residential						
DFTG 1376 Revit Residential						
ARCE 2352 Mechanical and Electrical Systems						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

DRAFTING AND DESIGN ENGINEERING TECHNOLOGY - AAS - ELECTRO-MECHANICAL DESIGN SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
PSYC 2301 Introduction to Psychology						
DFTG 1309 Basic Computer-Aided Drafting						
SECOND SEMESTER						
DFTG 1358 Electrical/Electronics Drafting						
DFTG 2319 Intermediate Computer-Aided Drafting						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
DFTG 1333 Mechanical Drafting						
MATH 1316 Plane Trigonometry						
SECOND YEAR						
FIRST SEMESTER						
DFTG 2317 Descriptive Geometry						
DFTG 1329 Electromechanical Drafting						
DFTG 2340 Solid Modeling/Design						
DFTG 2302 Machine Drafting						
ENGL 2311 Technical and Industrial Correspondence						
and Report Writing						
SECOND SEMESTER						
DFTG 2305 Printed Circuit Board Design						
DFTG 1310 Specialized Basic Computer Aided						
Drafting (CAD)						
DFTG 2335 Advanced Technologies in				This AAS degree will be deactivated September, 2011.		
Mechanical Design and Drafting				No new students will be admitted into the program.		
DFTG 1394 Special Topics in Electrical/ Electronics Drafting						
and Electrical/ Electronics CAD/CADD						
DFTG 2381 Cooperative Education OR						
DFTG 2338 Final Project-Advanced Drafting						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- CERTIFICATE- ELECTROMECHANICAL DESIGN SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer-Aided Drafting						
SECOND SEMESTER						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 1358 Electrical/Electronics Drafting						
DFTG 1333 Mechanical Drafting						
SECOND YEAR						
FIRST SEMESTER						
DFTG 1329 Electromechanical Drafting						
DFTG 2335 Advanced Technologies in Mechanical						
Design and Drafting						
SECOND SEMESTER						
DFTG 2305 Printed Circuit Board Design						
DFTG 1394 Special Topics in Electrical/ Electronics						
Drafting and Electrical/ Electronics CAD/CADD						
DFTG 2380 Cooperative Education						
This certificate will be deactivated September, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

DRAFTING AND DESIGN ENGINEERING TECHNOLOGY - AAS - MECHANICAL DESIGN DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
PSYC 2301 Introduction to Psychology						
DFTG 1309 Basic Computer-Aided Drafting						
SECOND SEMESTER						
DFTG 1333 Mechanical Drafting						
DFTG 2319 Intermediate Computer-Aided Drafting						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
DFTG 1329 Electro-Mechanical Drafting						
MATH 1316 Plane Trigonometry						
SECOND YEAR						
FIRST SEMESTER						
DFTG 1310 Specialized Basic Computer Aided Drafting						
DFTG 2317 Descriptive Geometry						
DFTG 1358 Electrical/Electronics Drafting						
DFTG 2302 Machine Drafting						
DFTG 2308 Instrumentation Drafting						
SECOND SEMESTER						
DFTG 2370 Intermediate Comp.-Aided Drafting-Microstation						
DFTG 2306 Machine Design						
DFTG 2335 Advanced Tech.Mechanical Design and Drafting						
DFTG 2305 Printed Circuit Board Design						
DFTG 2358 Advanced Machine Design						
ENGL 2311 Technical and Industrial Correspondence and Report Writing						
THIRD SEMESTER						
DFTG 2358 Advanced Machine Design						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- CERTIFICATE - MACHINE DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer-Aided Drafting						
MATH 1314 College Algebra						
DFTG 1310 Specialized Basic Computer Aided Drafting						
SECOND SEMESTER						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 1333 Mechanical Drafting						
DFTG 1329 Electro-Mechanical Drafting						
DFTG 1358 Electrical/Electronics Drafting						
THIRD SEMESTER						
DFTG 2308 Instrumentation Drafting						
DFTG 2302 Machine Drafting						
DFTG 2306 Machine Design						
DFTG 2335 Advanced Technologies in Mechanical Design and Drafting						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

DRAFTING AND DESIGN ENGINEERING TECHNOLOGY - AAS - PIPING DESIGN DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
First Semester						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
PSYC 2301 Introduction to Psychology						
DFTG 1309 Basic Computer-Aided Drafting						
Second Semester						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 2323 Pipe Drafting						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
DFTG 1333 Mechanical Drafting						
DFTG 2317 Descriptive Geometry						
Third Semester						
MATH 1316 Plane Trigonometry						
SECOND YEAR						
First Semester						
DFTG 1310 Specialized Basic Computer Aided						
Drafting (CAD)						
DFTG 2308 Instrumentation Drafting						
ENGL 2311 Technical and Industrial Correspondence						
and Report Writing						
DFTG 2330 Civil Drafting						
DFTG 2302 Machine Drafting						
Second Semester						
DFTG 2306 Machine Design						
ARCE 1352 Structural Drafting						
DFTG 2340 Solid Modeling Design						
DFTG 2345 Advanced Pipe Drafting						
DFTG 2375 Piping Design Management Systems						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING - CERTIFICATE - PIPE DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
First Semester						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer-Aided Drafting						
DFTG 1310 Specialized Basic Computer Aided Drafting						
MATH 1314 College Algebra						
Second Semester						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 2323 Pipe Drafting						
ARCE 1352 Structural Drafting						
DFTG 1333 Mechanical Drafting						
Third Semester						
DFTG 2302 Machine Drafting						
DFTG 2308 Instrumentation Drafting						
DFTG 1396 Special topics in Computer Graphics: Piping						
Design Systems OR						
DFTG 2371 Advanced Tech. Process Plant						
Design-Autoplant						
DFTG 2345 Advanced Pipe Drafting						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING - CERTIFICATE - CIVIL DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering OR						
LEAD 1200 Workforce Development with Critical Thinking						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer-Aided Drafting						
SRVY 1301 Introduction to Surveying						
MATH 1314 College Algebra						
SECOND SEMESTER						
DFTG 2319 Intermediate Computer-Aided Drafting						
DFTG 2321 Topographical Drafting						
SRVY 1341 Land Surveying						
ARCE 1352 Structural Drafting						
DFTG 1310 Specialized Basic Computer Aided Drafting						
THIRD SEMESTER						
DFTG 2327 Landscape Drafting						
SRVY 2348 Plane Surveying						
DFTG 1393 Special topics in Civil Drafting and						
Civil Engineering						
DFTG 2330 Civil Drafting						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER-AIDED DRAFTING- DESIGNER- CERTIFICATE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer-Aided Drafting						
SECOND YEAR						
FIRST SEMESTER						
DFTG 2317 Descriptive Geometry						
DFTG 2323 Pipe Drafting						
DFTG 2330 Civil Drafting						
DFTG 1333 Mechanical Drafting						
This certificate will be deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- DESIGNER- CERTIFICATE- ARCHITECTURAL DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Year						
First Semester						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer- Aided Drafting						
Second Semester						
DFTG 1317 Architectrual Drafting- Residential						
ARCE 1352 Structural Drafting						
Third Semester						
DFTG 2300 Intermediate Architectural Drafting- Residential						
DFTG 2328 Architectural Drafting- Commercial						
This certificate will be deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- DESIGNER- CERTIFICATE- PIPING DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Year						
First Semester						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer- Aided Drafting						
Second Semester						
DFTG 2323 Pipe Drafting						
DFTG 2308 Instrumentation Drafting						
Third Semester						
ARCE 1352 Structural Drafting						
DFTG 2345 Advanced Pipe Drafting						
This certificate will be deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- DESIGNER- CERTIFICATE- MECHANICAL DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Year						
First Semester						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer- Aided Drafting						
Second Semester						
DFTG 1333 Mechanical Drafting						
DFTG 2302 Machine Drafting						
Third Semester						
DFTG 1329 Electro- Mechanical Drafting						
DFTG 2306 Machine Design						
This certificate will be deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- DESIGNER- CERTIFICATE- ELECTRO MECHANICAL DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Year						
First Semester						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer- Aided Drafting						
Second Semester						
DFTG 1333 Mechanical Drafting						
DFTG 1358 Electrical/ Electronics Drafting						
Third Semester						
DFTG 1329 Electro- Mechanical Drafting						
DFTG 2305 Printed Circuit Board Design						
This certificate will be deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- DESIGNER- CERTIFICATE- CIVIL/ STRUCTURAL DRAFTING SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Year						
First Semester						
ENGR 1201 Introduction to Engineering						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer- Aided Drafting						
Second Semester						
ARCE 1352 Structural Drafting						
SRVY 1301 Introduction to Surveying						
Third Semester						
DFTG 2338 Final Project-Advanced Drafting						
DFTG 2330 Civil Drafting						
This certificate will be deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

COMPUTER- AIDED DRAFTING- DESIGNER- MARKETABLE SKILLS ACHIEVEMENT AWARD- BASIC PIPING DRAFTING

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
First Year						
First Semester						
DFTG 1305 Technical Drafting						
DFTG 1309 Basic Computer- Aided Drafting						
Second Semester						
DFTG 1371 Process Plant Layout						
DFTG 2372 Piping Plans & Equipment						
This MSA will be deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY -AAS - BIOMEDICAL ELECTRONICS SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
First Semester						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
MATH 1314 College Algebra						
CETT 1403 DC Circuits						
CETT 1425 Digital Fundamentals						
Second Semester						
ENGL 1301 Composition I						
MATH 1316 Plane Trigonometry						
CETT 1405 AC Circuits						
CETT 1429 Solid State Devices						
XXXX #3## Social/Behavioral Science General Ed. Elective						
Third Semester						
CPMT 1449 Computer Networking Technology						
PHYS 1401 College Physics I						
SECOND YEAR						
First Semester						
BIOM 1309 Applied Biomedical Equipment Technology						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
ENGL 2311 Technical and Industrial Correspondence						
and Report Writing						
CETT 1331 Technical Programming						
CETT 1457 Linear Intergrated Circuites						
Second Semester						
BIOM 2331 Biomedical Clinical Instrumentation						
MDCA 1313 Medical Terminology I						
BIOM 2489 Internship-Biomedical Engineering-Related						
Technology/Technician						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY -AAS - ELECTRICAL POWER SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
MATH 1314 College Algebra						
CETT 1403 DC Circuits						
CETT 1425 Digital Fundamentals						
SECOND SEMESTER						
ENGL 1301 Composition I						
MATH 1316 Plane Trigonometry						
CETT 1405 AC Circuits						
CETT 1429 Solid State Devices						
XXXX #3## Social/Behavioral Science General Ed. Elective						
THIRD SEMESTER						
CETT 1321 Electronic Fabrication						
PHYS 1401 College Physics I						
SECOND YEAR						
FIRST SEMESTER						
ENGL 2311 Technical and Industrial Correspondence						
and Report Writing						
CETT 1331 Technical Programming						
RBTC 1301 Programmable Logic Controllers						
CPMT 1449 Computer Networking Technology						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
SECOND SEMESTER						
XXXX #4## Program Related Elective						
CPMT 1445 Microprocessor						
ELPT 1451 Electrical Machines						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY -AAS - COMPUTER ENGINEERING TECHNOLOGY SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
First Semester						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
MATH 1314 College Algebra						
CETT 1403 DC Circuits						
CETT 1425 Digital Fundamentals						
Second Semester						
ENGL 1301 Composition I						
MATH 1316 Plane Trigonometry						
CETT 1405 AC Circuits						
CETT 1429 Solid State Devices						
XXXX #3## Social/Behavioral Science General Ed. Elective						
Third Semester						
CETT 1321 Electronic Fabrication						
ENGL 2311 Technical and Industrial Correspondence						
SECOND YEAR and Report Writing						
First Semester						
CETT 1331 Technical Programming						
PHYS 1401 College Physics I						
CETT 1445 Microprocessor						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
Second Semester						
CPMT 1449 Computer Networking Technology						
XXXX #4## Program-Related Elective						
CETT 1457 Linear Integrated Circuits						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY - AAS - TELECOMMUNICATIONS SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
MATH 1314 College Algebra						
CETT 1403 DC Circuits						
CETT 1425 Digital Fundamentals						
SECOND SEMESTER						
ENGL 1301 Composition I						
MATH 1316 Plane Trigonometry						
CETT 1405 AC Circuits						
CETT 1429 Solid State Devices						
CPMT 1449 Computer Networking Technology						
THIRD SEMESTER						
XXXX #3## Social/Behavioral Science General Ed. Elective						
PHYS 1401 College Physics I						
SECOND YEAR						
FIRST SEMESTER						
ENGL 2311 Technical and Industrial Correspondence						
and Report Writing						
CETT 1331 Technical Programming						
CETT 1457 Linear Integrated Circuits						
LOTT 1401 Introduction to Fiber Optics						
SECOND SEMESTER						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
EECT 2402 Voice over Internet Protocol (VOIP) Systems						
EECT 2439 Communications Circuits						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY - CERTIFICATE - TELECOMMUNICATIONS SPECIALIZATION

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
CETT 1403 DC Circuits						
CETT 1425 Digital Fundamentals						
Second Semester						
CPMT 1449 Computer Networking Technology						
XXXX #4## Program-Related Elective						
LOTT 1401 Introduction to Fiber Optics						
EECT 2402 Voice over Internet Protocol (VOIP) Systems						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY - CERTIFICATE - BASIC ELECTRONICS

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
CETT 1321 Electronic Fabrication						
CETT 1403 DC Circuits						
Second Semester						
CETT 1405 AC Circuits						
CETT 1425 Digital Fundamentals						
CETT 1429 Solid State Devices						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY - CERTIFICATE - COMPUTER SERVICING/NETWORKS

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
CETT 1403 DC Circuits						
CETT 1425 Digital Fundamentals						
Second Semester						
XXXX #4## Program-Related Elective						
CPMT 1411 Introduction to Computer Maintenance						
CPMT 1449 Computer Networking Technology						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

ELECTRONICS ENGINEERING TECHNOLOGY - CERTIFICATE - NETWORK SECURITY

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
ENGR 1201 Introduction to Engineering						
CPMT 1303 Introduction to Computer Technology						
CPMT 1411 Introduction to Computer Maintenance						
ITCC 1401 Exploration-Network Fundamentals						
Second Semester						
ITSY 1300 Fundamentals of Information Security						
ITNW 1351 Fundamentals of Wireless LANs						
CPMT 2449 Advanced Computer Networking Technology						
ITCC 1404 Cisco Expl. 2-Routing Protocols & Concepts						
Third Semester						
XXXX #3## Department Approved Elective						
XXXX #3## Department Approved Elective						
CPMT 2434 Network Security						
This certificate is deactivated as of September 1, 2011.						
No new students will be admitted into the program.						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

INSTRUMENTATION AND CONTROLS ENGINEERING TECHNOLOGY- ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
INTC 1312 Instrumentation and Safety						
PTAC 1308 Safety, Health, and Environment I						
ELPT 1311 Basic Electrical Theory OR						
CETT 1403 DC Circuits						
MATH 1314 College Algebra						
SECOND SEMESTER						
INTC 1456 Instrumentation Calibration						
SPCH #3## Speech Elective						
MATH 1316 Trigonometry						
INTC 1441 Principles of Automatic Control						
XXXX #4## Department Approved Elective						
SECOND YEAR						
FIRST SEMESTER						
INTC 1343 Application of Industrial Automatic Controls						
INTC 2330 Instrumentation Systems Troubleshooting						
ENGL 1301 Composition I						
XXXX #3## Program-Related Elective						
PHYS 1401 College Physics OR						
SCIT 1418 Applied Physics I						
SECOND SEMESTER						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
XXXX #3## Social/Behavioral Science General Ed. Elective						
RBTC 1301 Programmable Logic Controllers						
INTC 2370 Linking Process Control Systems						
INTC 2336 Distributed Control & Programmable Logic OR						
INTC 2380 Cooperative Education-Instrumentation Technology/Technician						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

INSTRUMENTATION AND CONTROLS ENGINEERING TECHNOLOGY - CERTIFICATE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
INTC 1312 Instrumentation and Safety						
PTAC 1308 Safety, Health, and Environment I						
ELPT 1311 Basic Electrical Theory OR						
CETT 1403 DC Circuits						
MATH 1314 College Algebra						
SECOND SEMESTER						
INTC 1456 Instrumentation Calibration						
INTC 1441 Principles of Automatic Control						
MATH 1316 Trigonometry						
THIRD SEMESTER						
INTC 1343 Application of Industrial Automatic Controls						
RBTC 1301 Programmable Logic Controllers						
INTC 2370 Linking Process Control Systems						
INTC 2336 Distributed Control and Programmable Logic						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

INSTRUMENTATION AND CONTROLS ENGINEERING TECHNOLOGY-CERTIFICATE-SOLAR ENERGY TECHNOLOGY-PHOTOVOLTAIC

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
SOLR 1370 Principles of Solar Photovoltaic						
SOLR 1371 Solar Safety Operations						
MATH 1314 College Algebra						
SOLR 1372 Off-Grid Solar Energy						
SECOND SEMESTER						
SCIT 1418 Applied Physics						
SOLR 1470 PV Installation Maintenance & Troubleshooting						
ELPT 1457 Industrial Wiring						
SOLR 1373 Solar Energy Systems						
THIRD SEMESTER						
ELPT 1364 Practicum-Electrical and Power Transmission						
Installation/Installer, General OR						
ELPT 1391 Special Topics in Electrical and Power						
Transmission Installer, General						
SOLR 1417 Photovoltaic Electrical Systems						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

INSTRUMENTATION AND CONTROLS ENGINEERING TECHNOLOGY-CERTIFICATE-SOLAR ENERGY TECHNOLOGY-THERMAL

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
SOLR 1374 Principles of Solar Thermal Technology						
SOLR 1371 Solar Safety Operations						
MATH 1314 College Algebra						
SECOND SEMESTER						
SCIT 1418 Applied Physics						
SOLR 1372 Off-Grid Solar Energy						
CNBT 1302 Mechanical, Plumbing & Electrical Systems						
in Construction I						
THIRD SEMESTER						
ELPT 1364 Practicum-Electrical and Power Transmission						
Installation/Installer, General OR						
ELPT 1391 Special Topics in Electrical and Power						
Transmission Installer, General						
SOLR 1472 Solar Thermal Installation Maintenance and						
Troubleshooting						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

INSTRUMENTATION AND CONTROLS ENGINEERING TECHNOLOGY-CERTIFICATE-WIND ENERGY TECHNOLOGY

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
First Semester						
ENGR 1201 Introduction to Engineering						
CETT 1402 Electricity Principles						
WIND 1300 Introduction to Wind Energy						
CETT 1409 DC-AC Circuits						
MATH 1314 College Algebra						
Second Semester						
WIND 2310 Wind Turbine Materials and						
Electro-Mechanical Equipment						
ELMT 1305 Basic Fluid Power						
SCIT 1418 Applied Physics						
ENGL 1301 Composition I						
WIND 1302 Wind Safety						
Third Semester						
WIND 2459 Wind Power Delivery System						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

PETROLEUM ENGINEERING TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
PTRT 1301 Introduction to Petroleum Industry						
MATH 1314 College Algebra						
ENGL 1301 Composition I						
PTRT 1470 Petroleum Data Management I- Exploration						
PTAC 1308 Safety, Health, and Environment I						
SECOND SEMESTER						
CTEC 1401 Applied Petrochemical Technology						
PTRT 1471 Exploration and Production I						
PTRT 1370 Petroleum Geology						
PTRT 1472 Petroleum Data Management II- Drilling						
and Production						
THIRD SEMESTER						
PTRT 2380 Cooperative Education- Petroleum						
Technology/Technician						
SECOND YEAR						
FIRST SEMESTER						
PTRT 1473 Exploration and Production II						
MATH 1325 Elements of Calculus with Applications						
PTRT 2370 Petroleum Operations						
XXXX #3## Humanities/ Fine Arts General Ed. Elective						
SECOND SEMESTER						
PTRT 2331 Well Completions						
PTRT 2371 Principles of Reservoir Engineering						
PTRT 2423 Natural Gas Production						
THIRD SEMESTER						
XXXX #3## Social/ Behavioral Science General Ed. Elective						
PTRT 2372 Internship/ Petroleum Technology/ Technician						
PTRT 2470 Petroleum Data Management III- Facilities						
and Performance						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

PETROLEUM ENGINEERING TECHNOLOGY - CERTIFICATE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGR 1201 Introduction to Engineering						
PTRT 1301 Introduction to Petroleum Industry						
MATH 1314 College Algebra						
ENGL 1301 Composition I						
PTRT 1470 Petroleum Data Management I- Exploration						
PTAC 1308 Safety, Health, and Environment I						
SECOND SEMESTER						
CTEC 1401 Applied Petrochemical Technology						
PTRT 1370 Petroleum Geology						
PTRT 1471 Exploration and Production I						
THIRD SEMESTER						
PTRT 1472 Petroleum Data Management II- Drilling						
and Production						
PTRT 2380 Cooperative Education- Petroleum						
Technology/Technician						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

PROCESS TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
First Semester						
ENGR 1201 Introduction to Engineering						
PTAC 1302 Introduction to Process Technology						
ENGL 1301 Composition I						
MATH 1314 College Algebra						
SOCI 1301 Introduction to Sociology						
PTAC 1308 Safety, Health and Environment I						
Second Semester						
SCIT 1418 Applied Physics OR						
PHYS 1401 College Physics						
SCIT 1414 Applied General Chemistry I OR						
CHEM 1411 General Chemistry I						
PTAC 1410 Process Technology I - Equipment						
PTAC 1332 Process Instrumentation I						
SECOND YEAR						
First Semester						
SPCH 1311 Fundamentals of Speech						
PTAC 2314 Principles of Quality						
PTAC 2420 Process Technology II - Systems						
PTAC 1354 Industrial Processes						
BMGT 1301 Supervision						
Second Semester						
PTAC 2446 Process Troubleshooting						
PTAC 1350 Industrial Economics						
XXXX #3## Humanities/Fine Arts General Ed. Elective						
PTAC 2438 Process Technology III - Operations OR						
CTEC 2445 Unit Operations						

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HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

NAME:	SS#:	DATE:
COLLEGE:	COUNSELOR/ADVISOR:	CATALOG YEAR: 11-12

PROCESS TECHNOLOGY - CERTIFICATE - PROCESS OPERATOR

HCCS Course Requirement	Transfer/Substitution Institution	Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
ENGR 1201 Introduction to Engineering						
PTAC 1302 Introduction to Process Technology						
MATH 1314 College Algebra						
PTAC 1308 Safety, Health and Environment I						
PTAC 1410 Process Technology I - Equipment						
Second Semester						
PTAC 1332 Process Instrumentation I						
PTAC 2420 Process Technology II - Systems						
PTAC 2314 Principles of Quality						
SCIT 1414 Applied General Chemistry I OR						
CHEM 1411 General Chemistry I						
Third Semester						
PTAC 2438 Process Technology III - Operations OR						
CTEC 2445 Unit Operations						
PTAC 2446 Process Troubleshooting						