Architecture and Construction Programs

Construction Technology

- 2 Construction Technology-AAS
- 4 Craft Management Specialization-AAS
- 5 Construction Technology- Certificate
- 6 Construction Helper- Certificate

Heating, Air Conditioning and Refrigeration

- 7 Basic Air Conditioning and Refrigeration -Certificate
- 8 Heating, Air Conditioning and Refrigeration Technology-Certificate
- 9 Heating, Air Conditioning and Refrigeration Technician/Installer-Certificate (Deactivate as of September 1, 2011)
- 10 Residential Building High Performance Technology-Rater-Certificate

Industrial Electricity

- 11 Cable and Network Installer-Certificate (Deactivate as of September 1, 2011)
- 12 Cable and Network Technician-Certificate (Deactivate as of September 1, 2011)
- 13 Electrical Helper-Certificate
- 14 Electrical Power Technology-Certificate
- 15 Industrial Automation Technology-Certificate

FAVA EDU			MUNITY COLLEG RANSFER SUBSTI	E SYSTEM FUTION PETITION		Page 1 of 2
NAME:	1E:				DATE:	
COLLEGE:	l EGE:		COUNSELOR/ADVIS	OR·	CATALOG YEA	R· 11-12
	RUCTION 1	ECHNOI	-	E IN APPLIED SCIENCE		
HCCS Course Requirement	_	ubstitution	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
LEAD 1200 Workforce Development with						
Critical Thinking						
TECM 1301 Industrial Mathematics						
CNBT 1201 Introduction to Construction Industry						
CNBT 1318 Construction Tools and Techniques						
CNBT 1300 Residential and Light Commercial						
Blueprint Reading						
CNBT 1311 Construction Methods and Materials I						
SECOND SEMESTER						
ITSC 1309 Integrated Software Applications I	<u> </u>					_
HART 1307 Refrigeration Principles	<u> </u>					
ELPT 1329 Residential Wiring						
CNBT #3## Department Approved Elective						
CNBT 1302 Mechanical, Plumbing, and Electrical						
Systems in Construction	<u> </u>		<u> </u>			
CNBT 1316 Construction Technology I	<u> </u>		<u> </u>			
SECOND YEAR	<u> </u>		<u> </u>			
First Semester	<u> </u>		<u> </u>			
ENGL 1301 Composition I	<u> </u>		<u> </u>			
CNBT 1342 Building Codes and Inspections	<u> </u>		<u> </u>			
BMGT 1301 Supervision	<u> </u>		<u> </u>			
DFTG 1313 Drafting for Specific Occupations	<u> </u>		<u> </u>			
XXXX #3## Humanities/Fine Arts General Ed.Elective	<u> </u>		<u> </u>			_
Second Semester			 			_
CNBT 1346 Construction Estimating I	_		<u> </u>			
CNBT 2342 Construction Management I	_		_			
XXXX #3## Math/Natural Science General Ed. Elective	_					
ENGL 1302 Composition II OR			<u> </u>			
ARTS 1316 Foundation Drawing I						

(Continued on page 2)

HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION									
NAME:			SS#:		DATE:				
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAR	: 11-12			
CONSTR	'								
HCCS Course Requirement	Transfer/St Institution		Substitute (SU) Transfer (TR)		Approval Signature	Date			
XXXX #3## Social/Behavioral Science General Ed. Elective									
Third Semester									
CNBT 2337 Construction Estimating II OR									
BUSG 1303 Principles of Finance OR									
BMGT 1313 Principles of Purchasing									
CNBT 2335 Computer- Aided Construction Scheduling									
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FAVA EDUC			MUNITY COLL RANSFER SUBS	EGE SYSTEM STITUTION PETITION		Page 1 of 1
NAME:			SS#:		DATE:	
COLLEGE:			COUNSELOR/AD	VISOR:	CATALOG YEAI	R: 11-12
	N TECHN	OLOGY -		MANAGEMENT SPECIALIZATION		
HCCS Course Requirement		ubstitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.		Ī				<u> </u>
FIRST YEAR						
Block credit for approved certification 21 semester hours.						
SECOND YEAR						
FIRST SEMESTER						
ENGL 1301 Composition I						
CNBT 1342 Building Codes and Inspections						
BMGT 1301 Supervision						
DFTG 1313 Drafting for Specific Occupations						
XXXX #3## Humanities/ Fine Arts General Ed. Elective						
Second Semester						
CNBT 1346 Construction Estimating I						
CNBT 2342 Construction Management I						
XXXX #3## Math/ Natural Science General Ed. Elective						
ENGL 1302 Composition II OR						
ARTS 1316 Foundation Drawing I						ļ
XXXX #3## Social/Behavioral Science General Ed. Elective						
Third Semester						
CNBT 2337 Construction Estimating II OR						
BUSG 1303 Principles of Finance OR						ļ
BMGT 1313 Principles of Purchasing						ļ
XXXX #3## Department Approved Elective						ļ
CNBT 2335 Computer-Aided Construction Scheduling						ļ
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FAVA EDU				LEGE SYSTEM BSTITUTION PETITION		Page 1 of 1
NAME:			SS#:		DATE:	
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAR	R: 11-12
CONSTRUCTIO	N TECHNO	LOGY -	CERTIFICATE	C- CONSTRUCTION TECHNOLO		
HCCS Course Requirement	Transfer/Si Institution		Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
FIRST SEMESTER						
LEAD 1200 Workforce Development with Critical Thinking						
TECM 1301 Industrial Mathematics						
CNBT 1201 Introduction to the Construction Industry						
CNBT 1318 Construction Tools and Techniques						
CNBT 1300 Residential and Light Commercial						
Blueprint Reading						
CNBT 1311 Construction Methods and Materials I						
SECOND SEMESTER			_			
ITSC 1309 Integrated Software Applications I			_			
HART 1307 Refrigeration Principles			_			
ELPT 1329 Residential Wiring						
CNBT #3## Department Approved Elective			_			
CNBT 1302 Mechanical, Plumbing and electrical Systems			_			
in Construction			_			
CNBT 1316 Construction Technology I			_			
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FAVA EDU				LEGE SYSTEM BSTITUTION PETITION		Page 1 of 1
NAME:			SS#:		DATE:	
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAF	R: 11-12
CONSTRUCT	TION TECH	INOLOG	Y - CERTIFICA	ATE- CONSTRUCTION HELPER	<u> </u>	
HCCS Course Requirement	Transfer/Si Institution		Substitute (SU) Transfer (TR)		Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
LEAD 1200 Workforce Development with Critical Thinking						
TECM 1301 Industrial Mathematics						
CNBT 1201 Introduction to Construction Industry						
CRPT 1318 Construction Tools and Techniques						
CNBT 1300 Residential and Light Commercial						
Blueprint Reading						
CNBT 1311 Construction Methods and Materials						
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HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION									
NAME:			SS#:	DATE:					
COLLEGE:			COUNSELOR/A	CATALOG YEAR	<u></u> : 11-12				
HEATING, AIR CONDITIONING	GERATIC	ON - CERTIFICA	TE - BASIC AIR CONDITIONING	AND REFRIGERATION					
HCCS Course Requirement	Transfer/Su Institution	bstitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date			
TSI testing is required prior to first enrollment.									
First Semester									
LEAD 1200 Workforce Development with									
Critical Thinking									
TECM 1301 Industrial Mathematics									
HART 1301 Basic Electricity for HVAC	ļ					ļ			
HART 1307 Refrigeration Principles									
HART 1341 Residential Air Conditioning			_						
HART 1356 EPA Recovery Certification Preparation	-		_						
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HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION									
NAME:			SS#:		DATE:				
COLLEGE:			COUNSELOR/AI	OVISOR:	CATALOG YEAR	1:11-12			
HEATING, AIR CONDITIONING AND REFI	RIGERATION	N - CERTIF	ICATE - HEATIN	G, AIR CONDITIONING AND REFRIGER	RATION TECHNOLOG	Y			
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									
LEAD 1200 Workforce Development with									
Critical Thinking									
TECM 1301 Industrial Mathematics									
HART 1301 Basic Electricity for HVAC									
HART 1307 Refrigeration Principles									
HART 1341 Residential Air Conditioning									
HART 1356 EPA Recovery Certification Preparation									
Second Semester									
HART 1345 Gas and Electric Heating									
HART 2342 Commercial Refrigeration									
HART 2349 Heat Pumps OR									
HART 2301 Air Conditioning and Refrigeration Codes									
ELPT 1341 Motor Control OR									
INCR 1302 Physics of Instrumentation									
THIRD SEMESTER									
HART 2357 Specialized Commercial Refrigeration									
HART 2334 Advanced A/C Controls OR									
ELMT 1301 Programmable Logic Controllers									
HART 2345 Residential Air Conditioning System Design									
HART 2336 Air Conditioning Troubleshooting									
						 			
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FAVA EDUC			MUNITY COLL RANSFER SUBS	EGE SYSTEM STITUTION PETITION		Page 1 of 1
NAME:			SS#:		DATE:	
COLLEGE:			COUNSELOR/AD	VISOR:	CATALOG YEAI	R: 11-12
HEATING, AIR CONDITIONING AND REFRIGE	ERATION - C	CERTIFICA	TE - HEATING, AI	R CONDITIONING AND REFRIGER		
HCCS Course Requirement	Transfer/St Institution		Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI testing is required prior to first enrollment.						
First Semester						
LEAD 1200 Workforce Development with						
Critical Thinking						
HART 1301 Basic Electricity for HVAC						
HART 1303 Air Conditioning Control Principles						
HART 1307 Refrigeration Principles						
HART 1356 EPA Recovery Certification Preparation						
Second Semester						
HART 1345 Gas and Electric Heating						
HART 1341 Residential Air Conditioning						ļ
HART 2342 Commercial Refrigeration						ļ
HART 2349 Heat Pumps						ļ
Third Semester						
MCHN 1453 Sheet Metal III						_
HART 2336 Air Conditioning Troubeshooting						_
HART 2345 Residential Air Conditioning						
Systems Design						
HART 2338 Air Conditioning Installation and Startup OR						
HART 2380 Cooperative Education						
						-
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/A	DVISOR:	CATALOG YEA	R: 11-12			
HEATING, AIR CONDITIONING AND REF	RIGERATIO	N - CERTI							
HCCS Course Requirement	Transfer/St Institution		Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date			
TSI testing is required prior to first enrollment.									
First Semester									
LEAD 1200 Workforce Development with									
Critical Thinking									
RBPT 1300 Fundamentals of Residential Building Science									
RBPT 1305 Residential Lighting, Appliances, & Plug Loads									
RBPT 1310 Residential Mechanical Systems						_			
SECOND SEMESTER						-			
RBPT 2320 Residential Energy Conservation Codes						-			
RBPT 2325 Energy Rating Systems for Homes RBPT 2315 Green Rating Systems for Homes									
RBPT 2315 Green Rating Systems for Homes RBPT 2330 Advanced Residential Building Science and						-			
Systems Systems									
THIRD SEMESTER									
RBPT 2340 Advanced Residential Mechanical Systems									
RBPT 2355 Sustainable Neighborhood Development									
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HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION									
NAME:			SS#:		DATE:				
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAF	R: 11-12			
INDUSTRIAL F	ELECTRICI	TY - CEI	RTIFICATE - C	CABLE AND NETWORK INSTA	LLER				
HCCS Course Requirement	Transfer/Su Institution	ubstitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date			
TSI testing is required prior to first enrollment.									
First Semester									
LEAD 1200 Workforce Development with									
Critical Thinking									
ELPT 1215 Electrical Calculations I OR									
TECM 1303 Technical Calculations									
ELPT 1221 Introduction to Electrical Safety and Tools									
ELPT 1325 National Electrical Code I									
ELPT 1311 Basic Electrical Theory									
ELPT 1329 Residential Wiring	ļ								
CSIR 1355 Industry Certifications	ļ								
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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 FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION										
NAME:			SS#:		DATE:					
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAR	: 11-12				
INDUSTRIAL E	LECTRICIT	ΓY - CER	TIFICATE - CA	ABLE AND NETWORK TECHN	ICIAN					
HCCS Course Requirement	Transfer/Su Institution	ubstitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date				
TSI testing is required prior to first enrollment.										
First Semester										
LEAD 1200 Workforce Development with										
Critical Thinking										
ELPT 1215 Electrical Calculations I OR										
TECM 1303 Technical Calculations										
ELPT 1221 Introduction to Electrical Safety and Tools										
ELPT 1325 National Electrical Code I						ļ				
ELPT 1311 Basic Electrical Theory						ļ				
ELPT 1329 Residential Wiring						ļ				
CSIR 1355 Industry Certifications						ļ				
Second Semester						ļ				
ELPT 1345 Commercial Wiring						ļ				
ELPT 1355 Electronic Applications						ļ				
CNBT 2342 Construction Management I						ļ				
CSIR 1391 Special Topics-Communications System						ļ				
Installer and Repairer - Cable and Network						ļ				
Installations						ļ				
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This certificate will be deactivated as of September 1, 2011.			_			ļ				
No new students will be admitted into the program.						ļ				
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NAME:SS#:DATE:COLLEGE:COUNSELOR/ADVISOR:CATALOG YEAR: 11-12	
r College, respectively the control of the control	
INDUSTRIAL ELECTRICITY - CERTIFICATE - ELECTRICAL HELPER	
HCCS Course Requirement Transfer/Substitution Institution Course Transfer (TR) Comment/Disapproval Signature Date	e
TSI testing is required prior to first enrollment.	
First Semester	
LEAD 1200 Workforce Development with	
Critical Thinking Critical Thinking	
TECM 1301 Industrial Mathematics	
ELPT 1221 Introduction to Electrical Safety and Tools	
ELPT 1311 Basic Electrical Theory	
ELPT 1325 National Electrical Code I	
ELPT 1329 Residential Wiring	
ELPT 1345 Commercial Wiring	

HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION Page 1 of 1												
NAME:			SS#:		DATE:	DATE:						
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAR	CATALOG YEAR: 11-12						
INDUSTRIAL ELECTRICITY - CERTIFICATE - ELECTRICAL POWER 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												
LEAD 1200 Workforce Development with												
Critical Thinking												
TECM 1301 Industrial Mathematics												
ELPT 1221 Introduction to Electrical Safety and Tools												
ELPT 1325 National Electrical Code I												
ELPT 1311 Basic Electrical Theory												
ELPT 1329 Residential Wiring												
ELPT 1345 Commercial Wiring												
SECOND SEMESTER												
ELPT 1341 Motor Control												
CNBT 1300 Residential and Light Commercial												
Blueprint Reading												
ELMT 1301 Programmable Logic Controllers												
ELPT 2325 National Electrical Code II OR												
ELPT 1355 Electronic Applications												
THIRD SEMESTER												
XXXX #3## Department Approved Elective												
ELPT 2301 Journeyman Electrician Exam Review OR												
CNBT 1302 Mechanical, Plumbing and Electrical Systems												
in Construction												

HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION												
NAME:			SS#:		DATE:							
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAR	CATALOG YEAR: 11-12						
INDUSTRIAL ELECTRICITY - CERTIFICATE - INDUSTRIAL AUTOMATION 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 SEMESTER												
LEAD 1200 Workforce Development with												
Critical Thinking												
TECM 1301 Industrial Mathematics												
ELPT 1221 Introduction to Electrical Safety and Tools												
ELPT 1311 Basic Electrical Theory												
ELPT 1325 National Electrical Code I												
ELPT 1341 Motor Control												
ELMT 1301 Programmable Logic Controllers												
SECOND SEMESTER												
ELPT 1355 Electronic Applications												
ELPT 2419 Programmable Logic Controllers I												
HYDR 1345 Hydraulics and Pneumatics												
INCR 1302 Physics of Instrumentation												
THIRD SEMESTER												
ELPT 2455 Programmable Logic Controllers II												
ELPT 2449 Industrial Automation												
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