ARCHITECTURE AND CONSTRUCTION PROGRAMS OFFERED FOR YEAR 2012 - 2013



Construction Technology

Construction Technology - AAS	
Craft Management Specialization - AAS	
Construction Technology - Certificate	
Construction Helper - Certificate	
HEATING, AIR CONDITIONING AND REFRIGERATION	
Basic Air Conditioning and Refrigeration - Certificate	
Heating, Air Conditioning and Refrigeration Technology - Certificate	
Heating, Air Conditioning and Refrigeration Technician/Installer - Certificate . (<i>Deactivate as of September 1, 2011</i>)	
Residential Building High Performance Technology Rater - Certificate	1
Industrial Electricity	
Cable and Network Installer - Certificate	1
Cable and Network Technician - Certificate	1
Electrical Helper - Certificate	1
Electrical Power Technology - Certificate	1
Industrial Automation Technology - Certificate	1

HOUSTON COMMUNITY COLLEGE SYSTEM EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION P										
NAME:	AME:				DATE:					
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEA	CATALOG YEAR: 12-13				
CONSTR	RUCTION T	ECHNOI	LOGY - ASSOC	CIATE IN APPLIED SCIENC	E					
HCCS Course Requirement	Transfer/Su Institution	ubstitution Course	Substitute (SU) Transfer (TR)	Comment/Disapprova	l 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										
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										
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										
(Continued on page 2)										

HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION									
NAME:			SS#:		DATE:				
COLLEGE:			COUNSELOR/A	ADVISOR:	CATALOG YE	AR: 12-13			
	RUCTION 7	rechnol	LOGY - ASSO	CIATE IN APPLIED SCIENCE	!				
HCCS Course Requirement	Transfer/S Institution		Substitute (SU) Transfer (TR)	Comment/Disapproval	1	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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HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION										
NAME:			SS#:		DATE:					
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEA	R: 12-13				
CONSTRUCTIO	N TECHNO	OLOGY -	AAS - CRAFT	MANAGEMENT SPECIALI	ZATION					
HCCS Course Requirement	Transfer/St Institution	ubstitution Course	Substitute (SU) Transfer (TR)	Comment/Disapprova	l Approval Signature	Date				
TSI testing is required prior to first enrollment.										
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										
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										
XXXX #3## Department Approved Elective										
CNBT 2335 Computer-Aided Construction Scheduling										

FA_	HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION										
NAME:				SS#:			DATE:				
COLLEGE:				COUNSELOR/A	ADVISOR:		CATALOG YEAR	: 12-13			
	CONSTRUCTION	N TECHNO	LOGY - (CERTIFICATI	E- CONSTRUCTION TEC	HNOLOGY					
	HCCS Course Requirement	Transfer/Si Institution	ubstitution Course	Substitute (SU) Transfer (TR)	Comment/Disapp	roval	Approval Signature	Date			
TSI testing is requ	ired prior to first enrollment.										
IRST SEMESTE	R										
LEAD 1200	Workforce Development with Critical Thinking										
ΓΕCM 1301	Industrial Mathematics										
CNBT 1201	Introduction to the Construction Industry										
CNBT 1318	3 Construction Tools and Techniques										
CNBT 1300	Residential and Light Commercial										
	Blueprint Reading										
CNBT 1311	Construction Methods and Materials I										
SECOND SEMES	STER										
TSC 1309	Integrated Software Applications I										
	Refrigeration Principles										
ELPT 1329	Residential Wiring										
CNBT #3##	Department Approved Elective										
	2 Mechanical, Plumbing and Electrical Systems										
	in Construction I										
CNBT 1316	Construction Technology I										

FA\	HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION										
NAME:				SS#:			DATE:				
COLLEGE:				COUNSELOR/A	.DVISOR:		CATALOG YEAR	: 12-13			
	CONSTRUCT	TON TECH	INOLOGY	Y - CERTIFIC	ATE- CONSTRUCT	TION HELPER					
	HCCS Course Requirement	Transfer/St Institution	ubstitution Course	Substitute (SU) Transfer (TR)	Commen	t/Disapproval	Approval Signature	Date			
	d prior to first enrollment.										
IRST SEMESTER											
	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										

HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION										
NAME:			SS#:		DATE:					
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAR	: 12-13				
HEATING, AIR CONDITIONING	AND REFR	IGERATIO	ON - CERTIFICA	ATE - BASIC AIR CONDITIONING	AND REFRIGERATION					
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										
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	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: 12-13
HEATING, AIR CONDITIONING AND REFI	RIGERATION	N - CERTIF	ICATE - HEATIN	NG, AIR CONDITIONING AND RE	FRIGERATION TECHNOLOG	GY
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						
TECM 1301 Industrial Mathematics						
HART 1301 Basic Electricity for HVAC						
HART 1307 Refrigeration Principles						
HART 1341 Residential Air Conditioning						ļ
HART 1356 EPA Recovery Certification Preparation			_			
Second Semester						ļ
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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HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION										
NAME:			SS#:			DATE:				
COLLEGE:			COUNSELOR/A	DVISOR:		CATALOG YEAR:	12-13			
HEATING, AIR CONDITIONING AND REFRIGE	RATION - CI	ERTIFICAT	TE - HEATING, A	IR CONDITIONING AND REF	FRIGERATION TE	CHNICIAN/INSTA	ALLER			
HCCS Course Requirement	Transfer/Su Institution	lbstitution Course	Substitute (SU) Transfer (TR)	Comment/Disappro	oval	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										
HART 2342 Commercial Refrigeration										
HART 2349 Heat Pumps										
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										
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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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FAVA EDUC				LEGE SYSTEM BSTITUTION PETITION			Page 1 of 1
NAME:			SS#:			DATE:	
COLLEGE:			COUNSELOR/A	DVISOR:		CATALOG YEAR:	12-13
HEATING, AIR CONDITIONING AND REF.	RIGERATIO	N - CERTI			RFORMANCE TE		
HCCS Course Requirement	Transfer/Su 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							
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 2330 Advanced Residential Building Science and							
Systems							
Third Semester							
RBPT 2340 Advanced Residential Mechanical Systems							
RBPT 2355 Sustainable Neighborhood Development							
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HOUSTON COMMUNITY COLLEGE SYSTEM EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION										
NAME:	E: SS#:									
COLLEGE:			COUNSELOR/A	CATALOG YEAR	: 12-13					
INDUSTRIAL I	ELECTRIC	ITY - CEF	RTIFICATE - C	CABLE AND NETWORK INSTA	LLER					
HCCS Course Requirement	Transfer/St 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 1311 Basic Electrical Theory ELPT 1329 Residential Wiring			<u> </u>							
CSIR 1355 Industry Certifications						 				
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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:	: 12-13				
INDUSTRIAL EI	LECTRICIT	ΓY - CERT	TIFICATE - CA	ABLE AND NETWORK TECHNICIAN						
HCCS Course Requirement	Transfer/Su 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										
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										
CSIR 1355 Industry Certifications										
SECOND SEMESTER										
ELPT 1345 Commercial Wiring										
ELPT 1355 Electronic Applications										
CNBT 2342 Construction Management I										
CSIR 1391 Special Topics-Communications System										
Installer and Repairer - Cable and Network										
Installations										
This certificate will be deactivated as of September 1, 2011.										
No new students will be admitted into the program.										

HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION							
NAME:	S				С	DATE:	
COLLEGE:			COUNSELOR/ADVISOR:			CATALOG YEAR: 12-13	
INDUST	RIAL ELEC	CTRICITY	Y - CERTIFICA	ATE - ELECTRICAL HEL			
HCCS Course Requirement	Transfer/Su Institution	ubstitution Course	Substitute (SU) Transfer (TR)	Comment/Disappro	oval	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 1329 Residential Wiring							
ELPT 1345 Commercial Wiring							
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HOUSTON COMMUNITY COLLEGE SYSTEM FAVA EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION							
NAME:			SS#:		DATE:		
COLLEGE:			COUNSELOR/A	DVISOR:	CATALOG YEAI	CATALOG YEAR: 12-13	
INDUSTRIAL E	LECTRICI	ΓY - CER	TIFICATE - El	LECTRICAL POWER TECHN	NOLOGY		
HCCS Course Requirement	Transfer/St Institution		Substitute (SU) Transfer (TR)		1	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							
Second Semester							
ELPT 1341 Motor Control							
CNBT 1300 Residential and Light Commercial							
Blueprint Reading							
ELMT 1301 Programmable Logic Controllers							
ELPT 1345 Commercial Wiring							
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:	:				DATE:	DATE:	
COLLEGE:				DVISOR:	CATALOG YEAF	CATALOG YEAR: 12-13	
INDUSTRIAL ELEC	CTRICITY -	CERTIFI	CATE - INDUS	STRIAL AUTOMATION TECHN	OLOGY		
HCCS Course Requirement	Transfer/S 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							
TECM 1301 Industrial Mathematics							
ELPT 1221 Introduction to Electrical Safety and Tools							
ELPT 1311 Basic Electrical Theory							
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	_					_	
ELPT 1325 National Electrical Code I	_					_	
	_					_	
THIRD SEMESTER	_		_			_	
ELPT 2455 Programmable Logic Controllers II	_		_			_	
ELPT 2449 Industrial Automation	_					_	
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