Associate of Science Degree Program (A.S.) with a Field of Study in Business

additional lower-division courses that may be necessary for specific degree programs. approved by the Texas Higher Education Coordinating Board with the intention that transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. Receiving institutions are not required to accept a grade below "C" in transfer and may require Purpose: This degree plan is designed to meet the needs of students who major in Business and transfer to a four-year college/university. It was

The following courses have been adopted by the THECB as a Field of Study Curriculum in Business: ECON 2301 and 2302, MATH 1325, BCIS 1305, SPCH 1315 or SPCH 1321 (one speech course only), ACCT 2301 and 2302.

> + SPCH 1315	Government/Political Science	Life & Physical Sciences	-	>+ MATH 1325	>+ ECON 2302	Second Semester ACCT 2302	BUSI 2301	* Government/Political Science	ACCT 2301	SECOND YEAR First Semester >+ECON 2301	* American History	Summer Semesters BUSI 1301 or Elective	* Creative Arts or * Language, Philosophy & Culture	*BCIS 1305	* MATH 1324	Second Semester + ENGL 1302	* PSYC 1300	* ENGL 1301	*Life & Physical Sciences	FIRST YEAR First Semester * American History	Course Number
Public Speaking	Select from Government/Political Science Core Curriculum	Select from Life & Physical Sciences Core Curriculum		Business Calculus	Principles of Microeconomics	Principles of Managerial Accounting	Business Law	Select from Government/Political Science Core Curriculum	Principles of Financial Accounting	Principles of Macroeconomics	Select from American History Core Curriculum	Business Principles or Select Academic College Level Course	Select from Creative Arts Core Curriculum or Select from Language, Philosophy & Culture Core Curriculum	Business Computer Applications	Finite Math	Composition II	Learning Framework	Composition I	Select from Life & Physical Sciences Core Curriculum	Select from American History Core Curriculum	Course Title
ယ	3 S W	MAIN 25254	3	3		3	ω	COAL Sage Courieur ytes Obji	สารก็สอการสี ารเลิกานสี	3990 Manamarkos 3980 MWOO 3990 Sephysical Scient	Telgamed h3oged	CONWESSION STATEMENT STATE	SEC 640 AEROA	Sylbala 3400		\$302 \$1302 \$1300	768 3	Autoria de la companya de la company	ယ	CONTRACTOR SERVICES	Credits

Business Administration

Total

^{*}Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

> Field of Study Curriculum, see page 22.

Communications - Radio/TV Broadcasting (CIP 09.0701)

281-756-3767

Associate of Science Degree Program (A.S.) with a Field of Study in Communication

Purpose: The degree is designed to meet the needs of students who plan to transfer to a four year college or university.

Program Requirements: Upon satisfactory completion of this curriculum, the student will be awarded the Associate of Science Degree with a major in Communication - Radio/TV Broadcasting

Sys Sys ide

ins

ASS 0

COMM 2311 Video Production I COMM 2311 Media Writing	FIRST YEAR	Course Number Course Title	in Communication - Radio/ IV bioaccusing
	redmult seru		Credits

Second Sem Mathematics COMM 2366 Life & Physic SPCH Summer Sen Component GOVT 2306	SECOND YEAR First Semester American History Life & Physical S GOVT 2305 COMM 2303	Summe Social & COMM	Seco Amer COM COM	Cour First COM COM ENG
Second Semester Mathematics COMM 2366 Life & Physical Sciences SPCH Summer Semesters Component Area Options GOVT 2306	SECOND YEAR First Semester American History Life & Physical Sciences GOVT 2305 COMM 2303	Summer Semesters Social & Behavioral Sciences COMM Elective	Second Semester American History COMM 1337 COMM 1318 ENGL 1302	Course Number FIRST YEAR First Semester COMM 1336 COMM 2311 ENGL 1301 COMM 1307
Second Semester Mathematics COMM 2366 Life & Physical Sciences SPCH Summer Semesters Component Area Options GOVT 2306 Select from Component Area Options Texas Government GOVT 2306 Select from Component Area Options Texas Government Texas Government Texas Government Semesters Select from Component Area Options Core Curriculum - Group B Texas Government Texa	Select from American History Core Curriculum Select from Life & Physical Sciences Core Curriculum Federal Government Audio Production	Select from Social & Behavioral Sciences Core Curriculum Select COMM Electives from Course List Below	Select from American History Core Curriculum Video Production II Photography I Composition II	Course Title 3 Video Production I Media Writing Composition I Introduction to Mass Communication

Total Minimum Credits Required for Communication/Ra

+ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

> Field of Study Curriculum, see page 22.

Communication Elective List

	v	v	v	v
ĊO	CON	CON	COM	COM
>COMM 2332	>COMM 2331	>COMM 2327	>COMM 2324	>COMM 1319
332	331	827	24	19
	_	_	-	П
Radio/Television News	Radio/Television Announcing	Introduction to Advertising	Practicum in Electronic Media	Photography II
)/Tele	/Tele	uctio	cum	graph
VISIO	Visio	n to /	in Ele	- Y
n Ne	n Anr	dve	ctro	09
WS	nunor	Jusin	JIC M	88
	eng		edia	18

Associate of Science Degree Program (A.S.)

Systems, Digital Gaming & Simulation, Information Technology, Management Information Systems, Game Development, Computer Science, Digital institution. identify early the institution to which they intend to transfer for specific requirements. Transferability of courses is determined by the receiving Media, Computer Engineering Technology, Electrical Engineering, Graphic Communications, and other computer technology fields. Students should Purpose: This is a recommended course of study for students who plan to pursue a baccalaureate degree or higher in Computer Information

Program Requirements: Upon completion of the two-year curriculum, with an overall grade point average of 2.0 for all computer courses attempted, the student will be awarded the Associate of Science Degree with a major in Computer Information Systems.

Course Number	Course Title	Credits
4 200 ENG 4	Control to the second s	
First Semester		
*PSYC 1300	Learning Framework	3 81
BCIS 1305	Business Computer Applications	· image with the control of the con
ITSE 1331	Introduction to Visual Basic Programming	ω
*ENGL 1301	Composition I Chinene Dual Valentee Dynamics and Composition I Chinene Dual Valentee D	10 TO (3) N. M.
*MATH 1314	College Algebra	3
~		
Second Semester		
COSC 1436	Programming Fundamentals I - C++	48
*ENGL 1302	Composition II	ansteam3) teams
*American History	Select from American History Core Curriculum	3
*Life & Physical Sciences	Select from Life & Physical Sciences Core Curriculum	ш
⁺Language, Philosophy & Cultur	*Language, Philosophy & Culture Select from Language, Philosophy & Culture Core Curriculum	COND AEVE
Third Semester		
COSC 1437	Programming Fundamentals II - JAVA	4
*American History	Select from American History Core Curriculum	ယ
*Life & Physical Sciences	Select from Life & Physical Sciences Core Curriculum	3 025
*GOVT 2305	Federal Government	16 23(E 3)Y
*Creative Arts	Select from Creative Arts Core Curriculum	K
Fourth Semester		
*COSC 2436	Programming Fundamentals III - Oracle one yourself.	4,000
*GOVT 2306	Texas Government	S vrigosolini 3
*Social & Behavioral Sciences	Select from Social & Behavorial Sciences Core Curriculum	3 3
*SPCH 1315	Public Speaking	

Computer Information Technology

^{*}Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

^{*} Capstone Course

^{***}This degree has a 2+2 agreement with other universities. ***

281-756-5601

Associate of Science Degree Program (A.S.)

This is a recommended course of study for students who plan to pursue a baccalaureate degree in nursing or other allied health field. It does not prepare students for direct entry into a health related career field. Students should identify early the institution to which they intend to transfer for specific requirements. Transferability of courses is determined by the receiving institution.

Course Number	Course Title	Credits
FIRST YEAR CON BUSINESS TRING BUSINESS		
First Semester	moduli jojan s riim eatged soneros to etatocem en populario.	D 200
BIOL 1322 or HECO 1322	Nutrition & Diet Therapy	
ENGL 1301	Composition I	, w
* Mathematics	Select from Mathematics Core Curriculum	24C 1300 c
* PSYC 1300	Learning Framework	
Second Semester		C. 1
+ CHEM 1405 or 1411	Introductory Chemistry I or General Chemistry I	4 400 1300 4
* ENGL 1302	Composition II	
+ American History	Select from American History Core Curriculum	colle pariet
*SOCI 1301	Introduction to Sociology	3C 1136 S
Summer Semesters		
* American History	THE PARTY AND TH	elicali Ma c iy
* Component Area Options-Group A	Select from American History Core Curriculum	A Lithing Solations
SECOND YEAR	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended	Creating of the contract of th
First Semester	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended	Pagnetis Resigned & Septime & Septim
* Creative Arts	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended	Creation of the contract of th
*BIOL 2401	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum	Property of the control of the contr
+ 1000 0001	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I	Recorded Residents of the control of
PSYC 2301	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology	Campana A Language Campana A Lan
+ GOVT 2305	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology Federal Government	Samuel Comment of the
* GOVT 2305 Second Semester	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology Federal Government	Pannelod labeley 193 is sentenced by proposition of the second of the se
*GOVT 2305 Second Semester *RIOL 2402	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology Federal Government Anatomy and Physiology II	
* GOVT 2305 * GOVT 2305 Second Semester * BIOL 2402 * Language, Philosophy & Culture	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology Federal Government Anatomy and Physiology II Select from Language, Philosophy & Culture Core Curriculum	
*GOVT 2305 Second Semester *BIOL 2402 *Language, Philosophy & Culture PSYC 2314	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology Federal Government Anatomy and Physiology II Select from Language, Philosophy & Culture Core Curri Lifespan Growth & Development	
*GOVT 2305 Second Semester *BIOL 2402 *Language, Philosophy & Culture PSYC 2314 *GOVT 2306	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology Federal Government Anatomy and Physiology II Select from Language, Philosophy & Culture Core Curri Lifespan Growth & Development Texas Government	
*GOVT 2305 Second Semester *BIOL 2402 *Language, Philosophy & Culture PSYC 2314 *GOVT 2306 Summer Semesters	Select from American History Core Curriculum SPCH 1315-Public Speaking Recommended Select from Creative Arts Core Curriculum Anatomy and Physiology I General Psychology Federal Government Anatomy and Physiology II Select from Language, Philosophy & Culture Core Curri Lifespan Growth & Development Texas Government	

* Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

College Algebra Composition I Select from American History Core Curriculum Learning Framework Pre-Calculus Math Composition II Select from American History Core Curriculum Federal Government Select from Social & Behavorial Sciences Core Curriculum Select from Academic College Level Course(s) Calculus I Select from Component Area Options Group A Core Curriculum Select from Life & Physical Sciences Co.re Curriculum Select from Creative Arts Core Curriculum Select from Creative Arts Core Curriculum Select from Creative Arts Core Curriculum Select from Language, Philosophy & Culture Core Curriculum Select from Language, Philosophy & Culture Core Curriculum	Summer Terms Electives Choose Acade	Second Semester + MATH 2414 + Life & Physical Sciences + Creative Arts + Language, Philosophy & Culture Select from I	cal Sciences Area Options	SECOND YEAR First Semester MATH 2413 Find Calculus Ison	r Terms Behavioral Sciences	+ American History Select from Americ + GOVT 2305 Federal Government	mester and based must	FIRST YEAR First Semester + MATH 1314 + ENGL 1301 + American History + PSYC 1300 College Algebra Composition I Select from American Learning Framework
	estgeସ echelo? isଯଞ୍ଜମ କରୀ be Choose Academic College Level Course(s)	Calculus II Select from Life & Physical Sciences Co.re Curriculum Select from Creative Arts Core Curriculum Select from Language, Philosophy & Culture Core Curriculum	Select from Life & Physical Sciences Core Curriculum Texas Government Select from Component Area Options Group A Core Curriculum	Hence (Consider Period (1998)	Select from Social & Behavorial Sciences Core Curriculum	Select from American History Core Curriculum Federal Government	zeonalo2 Isola di Suetti umi here?	College Algebra Composition I Select from American History Core Curriculum Learning Framework

Mathematics

^{*}Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

Physical Science

Total Minimum Credits Required for Physical Science Degree	Summer Semesters * Elective System of the second of the s	* CHEM 1412 * CHEM 1412 * Language, Philosophy & Culture * Creative Arts * GOVT 2306	First Semester CHEM 1411 MATH 2414 Social & Behavioral Sciences GOVT 2305	Summer Semesters American History Component Area Options Group A	Second Semester * Life & Physical Sciences * ENGL 1302 * American History * MATH 2413	FIRST YEAR First Semester * Life & Physical Sciences	Course Number C
al Science Degree Section of the Section Sec	Select Academic College Level Course Select Academic College Level Course	General Chemistry II Select from Language, Philosophy & Culture Core Curriculum Select from Creative Arts Core Curriculum Texas Government	General Chemistry I Calculus II Select from Social & Behavorial Sciences Core Curriculum Federal Government	Select from American History Core Curriculum (Recommend HIST 1302) Select from Component Area Options Group A (Recommend SPCH 1315)	Select from Life & Physical Sciences Core Curriculum (based on major) Composition II Select from American History Core Curriculum (Recommend HIST 1301) Calculus I	Select from Life & Physical Sciences Core Curriculum (based on major) Composition I Pre-Calculus Math Learning Framework Research from based Output Description of the second seco	Course Title
evilosia Electives		4 & & &	0,41338 11,4 19,17 12,3 11,14 13, 11,14 10,000	ယ်မှာ	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ω 4 ω	Credits

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Associate of Science Degree Program (A.S.) Physical Science (CIP 40.0101)

281-756-5669

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+ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

Chemistry majors should take CHEM 2423 and CHEM 2425 or PHYS 2425.

Physics majors should take PHYS 2425 and PHYS 2426. Geology majors should take GEOL 1403 and GEOL 1404.

(.2.A.A) smsrgord earlied Science Programs (A.A.S.)

Purpose: The Associate of Applied Science Degree (A.A.S.) is awarded to students who fulfill the requirements in one of the following programs: Degree: Associate of Applied Science (A.A.S.) **Associate of Applied Science Degree Programs**

Computer Information Technology Communications-Radio/TV Broadcasting

Court Reporting Computer Information Technology - Computer Networking

Criminal Justice - Law Enforcement & Police Administration

Culinary Arts Diagnostic Cardiovascular Sonography-Adult Echocardiography

Diagnostic Cardiovascular Sonography-Pediatric Echocardiography

Emergency Medical Technology Diagnostic Cardiovascular Sonography - Vascular Sonography

Human Services - Substance Abuse Counseling

Management Industrial Design Technology

Neurodiagnostic Technology

Nursing ADN Nursing Transition (LVN to ADN) Office Administration- Administrative Assistant

Process Technology Polysomnography - Sleep Medicine

Respiratory Care

Pharmacy Technician

Paralegal

These programs are two years in length and prepare the student for immediate occupational employment.

mastery of entry-level workplace competencies. The Capstone experience should occur in the last semester of the student's educational program. Capstone Experience: The capstone is a learning experience which results in a consolidation of a student's educational experience and certifies

Advanced Technical Certificate Programs

*Associate of Applied Science Degree in an Allied Health Program required prior to earning these certificates.

*Diagnostic Cardiovascular Sonography-Adult Echocardiography

Diagnostic Cardiovascular Sonography- Pediatric Echocardiography

Diagnostic Cardiovascular Sonography-Vascular Sonography

*Neurodiagnostic Technology

*Polysomnography - Sleep Medicine

Certificate Programs

The Certificate of Completion in Technical Education is awarded to students who fulfill the requirements in one of the following programs:

Computer Information Technology - Networking Computer Information Technology Communications-Radio/TV Broadcasting Child Development/Early Childhood Administration Child Development/Early Childhood Human Services -Industrial Design Technology Emergency Medical Technician Advanced Substance Abuse Counseling

Intraoperative Neurophysiologic Monitoring

Office Administration - Administrative Support Management

Office Administration - Office Assistant

Paralegal Pharmacy Technician

Process Technology

Vocational Nursing

Culinary Arts - Culinary Management

Emergency Medical Technician Paramedic

Culinary Arts

Criminal Justice - Crime Scene Technician Criminal Justice - Basic Law Enforcement

Court Reporting Scopist Court Reporting

These programs vary in length from one to three semesters, and they prepare the student for immediate occupational employment.

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A 긎 Articulated Credit

Purpose: The curriculum in child development and early childhood prepares individuals for careers in childcare centers, pre-school programs and related occupations. Training is given to develop professional competence in the area of child development and early childhood. Program Requirements: Students will complete a criminal background check upon enrollment in child development/early childhood courses.

Total Credits Required for Child Dev	Summer Terms * CDEC 1384	Second Semester CDEC 1319 CDEC 1356 CDEC 2307 Elective	First Semester CDEC 1311 CDEC/TECA 1303 CDEC 1313 Elective	Course Number
Total Credits Required for Child Development/Early Childhood Certificate	Cooperative Ed. in Child Development I Select from CDEC or TECA courses	Child Guidance 3 Emergent Literacy for Early Childhood 3 Math & Science for Early Childhood 3 Select from CDEC or TECA courses	Educating the Young Child Family, School and Community Curriculum Resources for Early Childhood Select from CDEC or TECA courses	mbA-passinghambA-sofii0

*Capstone course.

Child Development / Early Childhood Administration Certificate (CIP 19.0706) 281-756-3643

Purpose: The Administrative Certificate is designed for career oriented persons working in the early childhood field.

Course Number Course Title Credits 4

* CDEC 2428 STOOM * CDEC 1319 COLUMN SElective Total Credits Required for Certific	CDEC 2426 Elective
Second Semester * CDEC 2428 CDEC 1319 Elective Total Credits Required for Certificate of Child Development/Early Childhood Administration	Administration of Program for Children Select from CDEC or TECA courses
grichowieV - vpotombet 3otism grichowieV - vpotombet 3otism jalpo2 jnemeoratica ws.1 :20 8 - nsokrbat eneo2 emin0 -	neful Bay Childhood neful Broadcasting s-RadiorTV Broadcasting

*Capstone Course

Rev: 05-30-16

Associate of Applied Science Degree (A.A.S.) - Articulated Credit

Purpose: The program is designed to prepare the student for careers in the field of broadcast communications with specific study in broadcasting and digital media, audio and video production.

Program Requirements: Upon satisfactory completion of this curriculum, the student will be awarded the Associate of Applied Science Degree with a major in Radio/TV Broadcasting.

The listing below may serve as a guideline to curriculum completion. The student is encouraged to meet with the Department Chair or Academic Advisor for proper course selection that considers the student's career and academic goals.

Total Credits Required for Communicat	Summer Semesters RTVB 2380 RTVB or COMM Elective	Second Semester + American History + COMM 2366 RTVB 2331 *RTVB 2340	SECOND YEAR First Semester + Mathematics RTVB 1309 RTVB 2337 RTVB 1355	Summer Semesters + Social & Behavioral Sciences RTVB or COMM Elective	Second Semester *SPCH 1315 or 1318 or 2335 COMM 1318 RTVB 1321 RTVB 1380	Course Number FIRST YEAR First Semester + COMM 1307 + ENGL 1301 RTVB 1301 RTVB 1325
Total Credits Required for Communications-Radio/TV Broadcasting Degree	Cooperative Education-Radio/TV Broadcasting Select Elective from RTVB or COMM Courses	Select from American History Core Curriculum Introduction to Cinema Audio/Radio Production III Portfolio Development	Select from Mathematics Core Curriculum Audio/Radio Production I TV Production Workshop Radio and Television Announcing	Select from Social & Behavioral Sciences Core Curriculum Select Elective from RTVB or COMM Course Rubric	Public Speaking or Interpersonal Communication or Argumentation & Debate Photography I TV Field Production Cooperative Education-Radio/TV Broadcasting	Course Title Resident Title Introduction to Mass Communication Composition I Broadcast News Writing TV Studio Production
60	ယ ယ	ယယယ	ယ ယ ယ ယ မ စစ္အျဖစ္ပ	ယယ	ငယ် ယ ယ ယ	Credits

^{*}Capstone Course *Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

Articulated Credit

Purpose: Program prepares the student for entry into occupations in radio and television broadcasting, digital media, audio or video production. Completion of this program also enhances the effectiveness of those presently employed in the field of communications.

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Program Requirements: Upon satisfactory completion of this curriculum, the student will be awarded a Radio/TV Broadcasting Certficate.

The listing below may serve as a guideline to curriculum completion. The student is encouraged to meet with the Department Chair or Academic Advisor for proper course selection that considers the student's career and academic goals.

		> Jik
Course Number	Course Title	Credits
First Semester		3
+ COMM 1307	Introduction to Mass Communication	
RTVB 1301	Broadcast News Writing	
RTVB 1309	Audio/Radio Production I	
RTVB 1325	TV Studio Production police guerrae and of regiousories	
Second Semester		
RTVB 1321	TV Field Production	000
RTVB 1380	Cooperative Education-Radio/TV Broadcasting	υ (
	Audio Radio Production III	3000000
) sinded &	Portfolio Development	COMM 1318 5
Summer Semesters RTVB or COMM Elective * RTVB 2380	Guctout	81/18 1380 B
Total Credits Required for Communi		30 Versel & Island
	CERT CERTAGON KIND OF COMME COMES STATES	

Denotes core requirement.

2016-17 Rev: 05-30-16

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2016-Rev: (

^{*}Capstone course requirement.

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

Purpose: The Computer Information Technology program is designed primarily for students seeking a certificate or associate of applied science (A.A.S.) degree. The computer information technology curriculum prepares graduates for employment with organizations that use computers to process, manage, and communicate information. Emphasis is placed on the use of computer languages in the solution of business and scientific problems, design and development of Web pages, desktop computer hardware and software support, installation and maintenance of networks, and database design.

Program Requirements: Upon completion of the two-year curriculum, with an overall grade point average of 2.0 for all computer courses attempted, the student will be awarded the Associate of Applied Science Degree with a major in Computer Information Technology.

Course Number	Course Title	Credits
FIRST YEAR		officers
First Semester		
+ PSYC 1300	Learning Framework	ယ
BCIS 1305	Business Computer Applications	C
ITSE 1331	Introduction to Visual BASIC Programming	3000 WMT
+ ENGL 1301	Composition I RollshughtroO seved awobildy	3008 TMT
ITNW 1313	Computer Virtualization Quality and assertant	38081 2108
Second Semester		
COSC 1436	Programming Fundamentals I - C++	4228 747
+ Life & Physical Sciences	Life & Physical Sciences Core Curriculum	3 5,000
ITNW 1358	Network+	ယ
+ MATH 1314	College Algebra	ယ
ITMT 1302	n Configuration	ယ
SECOND YEAR First Semester		
COSC 1437	Programming Fundamentals II - JAVA	4
ITNW 1325	Fundamentals of Networking	3 3 3 3 3 3 3 3 3 3
IMED 2415	Web Design	SECOND AND
+ Creative Arts or	Select from Creative Arts Core Curriculum or	3
+ Language, Philosophy & Culture	Select from Language, Philosophy & Culture Core Curriculum	
Second Semester		
* COSC 2436	Programming Fundamentals III - Oracle	O serv4menograpo*
ITSW 1404	Introduction to Spreadsheets	4588 WMT
+ Social & Behavioral Sciences	Select from Social & Behavioral Sciences Core Curriculum	WHAT HAVE
ITSE 2409	Database Programming	A bridge bridge
Minimum Total Credits Required for A.A.S.	Minimum Total Credits Required for A.A.S. Computer Information Technology Degree	11ML 532.09
*Denotes core requirement. Speak with I *Capstone Course	*Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection. *Capstone Course	* ILML 5355 ILMM 1323
This plan provides courses for preparation for the following certifications:	for the following certifications:	

Computer Information Technology

***This degree has a 2+2 agreement with other universities. ***

This plan provides courses for preparation for the following certifications: CompTIA Network+ Certification (ITNW 1358 and ITNW 1325)

Microsoft Certified IT Professional (MCITP) Certification (ITMT 1302)

Computer Information Technology - Computer Networking (CIP 11.0201)

281-756-3669

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

Purpose: The Computer Information Technology Networking program is designed to prepare students for careers in many areas of LANWAN administration and design. ACC is a Charter member of the Microsoft IT Academy Program and thus holds a leveraged position for success in a variety of career opportunities (e.g. installing, managing and maintaining Microsoft servers and networks worldwide). This A.A.S. program focuses on these Microsoft certifications: (MTA) "Microsoft Technology Associate", "(MSCA) "Microsoft Certified Solutions Associate". Program graduates will be prepared for other, vender neutral, certifications, as well. Such as CompTIA's "Network+", "A+", and "Security+". All industry certifications are awarded after passing their proprietary exams which are administered by authorized testing centers. Alvin College has a classroom lab, on the main campus, dedicated exclusively to the Network Administrator/Professional/Technician curriculums.

Minimum Total Credits Required for A.A.S of Computer Networking Degree + Denotes core requirement. Speak with Department Chair or Academic A * Capstone Course	⁺ ENGL 1302	ITNW 1354	*ITMT 2322	ITNW 1353	ITMT 2356	Second Semester	MATH 1333	ITNW 2321	*Component Area Options	ENGL 1301	ITNW 1313	First Semester	SECOND YEAR	*Social & Behavioral Sciences	ITMT 2302	*Language, Philosophy & Culture	*Creative Arts or	ITSY 1342	ITMT 2301	Second Semester	ITMT 2351	ITNW 1325	BCIS 1305	ITMT 1302	ITNW 1358	First Semester	FIRST YEAR	Course Number
linimum Total Credits Required for A.A.S of Computer Networking Degree	Composition II (3.81 WATH bins 3.81 WATH) notes	Implementing and Supporting Services	Windows Server 2008 Application Platform Config.	Supporting Network Server Infrastructure	Windows Server 2008: Enterprise Administrator		Contemporary Mathematics for Tech	Networking with TCP/IP at series of not bubout	Select from Component Area Option Core Curriculum	Composition I	Computer Virtualization Comput			Select from Social & Behavioral Sciences Core Curriculum	Windows Server 2008 AD Configuration	Select from Language, Philosophy & Culture Core Curriculum	Select from Creative Arts Core Curriculum	Information Technology Security (Security+)	Win Srv 2008 Ntwrk Infrastructure Config.		Windows Server 2008 Administrator	Fundamentals of Networking	Business Computer Applications white relations	Windows Seven Configuration	Network+ Introduce Oleval Buerty of notionholini			Course Title
	Mines & Southeld A	ယ	3 cmo0 en	35 S100 38	3 0 180		Social & Sileston	3 AT WETH	3.5 0800	steeme3 bnoce	peoling 3 gaugns.			္ကမ	ω		ω	w	ω		3 -3 1 0800	3 broad	3 ET WATE	3.6 JONE	300			Credits

Computer Elective List:

ITSE 1331 Introduction to Visual Basic Programming COSC 1436 Programming Fundamentals I-C++ COSC 1437 Prog Fundamentals II - JAVA COSC 2436 Prog Fundamentals III - Oracle IMED 2415 Web Design or ITSC 1419 Internet / Web Page Development

ITSE 2409 Database Programming
ITSW 1404 Introduction to Spreadsheets
GAME 1436 Introduction to 3D Gaming Modeling
ITSC 1305 Introduction to PC Operating Systems
ITSC 1325 Personal Computer Hardware

RN

Purpose: The Certificate of the Computer Information Technology program is designed primarily for students seeking employment with organizations that use computers to process, manage, and communicate information. Emphasis is placed on the use of computer languages in the solution of business and scientific problems, design and development of Web pages, desktop computer hardware and software support, and installation and maintenance of networks.

Program Requirements: Upon satisfactory completion of the two-semester curriculum, with an overall 2.0 grade point average for all computer courses attempted, the student will be awarded the Certificate in Computer Information Technology.

Business Computer Applications Introduction to Visual Basic Programming Network+ Windows Seven Configuration Programming Fundamentals I - C++ Programming Web Design	First Semester BCIS 1305 ITSE 1331 ITNW 1358 ITMT 1302 Second Semester * COSC 1436 IMED 2415 ITNW 1325 Elective
	Course Title Business Computer Applications Introduction to Visual Basic Programming Network+ Windows Seven Configuration Programming Fundamentals I - C++ Programming

Computer Elective List:

COSC 1437 Programming Fundamentals II - JAVA ITSW 1404 Introduction to Spreadsheets ITSE 2409 Database Programming COSC 2436 Programming Fundamentals III - Oracle ITSE 2431 Advanced C++ Programming

ITNW 1313 Computer Virtualization GAME 2409 Video Game Art II ITSC 1325 Personal Computer Hardware ITSC 1305 Introduction to PC Operating Systems GAME 1436 Introduction to 3D Gaming Modeling

This plan provides courses for preparation for the following certifications:

CompTIA Network+ Certification (ITNW 1358 and ITNW 1325) Microsoft Certified IT Professional (MCITP) Certification (ITMT 1302)

^{*} Capstone Course

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Arti	
Articulated	-
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Credit	

Course Number	Course Title Today Today Course Title	Credits
First Semester		
ITNW 1358	Network+	ω
ITMT 1302	Windows Seven Configuration	रक्षेत्रामं स्थापः
BCIS 1305	Business Computer Applications	333333333333333333333333333333333333333
ITNW 1325	Fundamentals of Networking	<u> </u>
Second Semester *ITMT 2351	Windows Server 2008 Administrator	8881 WWT
ITMT 2301	Windows Server 2008 Network Infrastructure Config.	Telesmed §nco3?
ITMT 2302	Windows Server 2008 AD Configuration	37.00
otal Credits Required for Computer I	Total Credits Required for Computer Information Technology Computer Networking Certificate	35° 21
* Capetone Course		

Capstone Course

This plan provides courses for preparation for the following certifications:

ompTIA Network+ Certification (ITNW 1358 and ITNW 1325) licrosoft Certified IT Professional (MCITP) Certification (ITMT 1302)

nee Degrae Program (A.A.S.)

for positions related to court reporting, e.g., scoping and captioning. This curriculum meets a need which exists due to the greatly expanding Gulf to provide the necessary training. Coast area, the increasing demand for qualified court reporters and captioning/CART providers throughout the nation, and the lack of institutions Purpose: The Associate in Applied Science Degree curriculum in Court Reporting prepares students for job entry positions in court reporting and

Program Description: The curriculum is two years. However, the machine shorthand courses are offered in such a way as to allow students to progress at their own individual rates. Maximum use of live dictation exists in the program, and dictation is provided through MyBlackboard on the examination procedure. ACC website for home practice. Accommodations are made for students to secure credit for work previously accomplished through the credit-by-

Program Objectives: The objective of the curriculum is for the student to attain the machine shorthand speed of 225 words per minute on testimony, 200 words per minute on jury charge, and 180 words per minute on literary material equivalent to standards of the National Court Scopist Certificate. Reporters Association and the Texas Court Reporters Certification Board. Accompanying objectives are the attainment of the Court Reporting

Program Requirements:

- 1. To be considered for admission to the Associate Degree Court Reporting Program, the applicant must:
- a. be a high school or GED graduate;
- make application to ACC and fulfill the admission requirements of the College;
- fill out a Court Reporting application and return it to the Chairperson of the Court Reporting Department;
- have a personal interview with the Court Reporting Department Chairperson or his/her designee to develop a degree plan and secure a beginning schedule;
- e. submit official copies of transcripts of all previous high school and college work to the ACC Records Office.

Note: A person convicted of a criminal offense involving moral turpitude, fraud, or corruption may be refused certification to the Supreme Court by the Texas Court Reporters Certification Board. Please contact the Texas Court Reporters Certification Board, Austin, Texas, for more information.

withdrawing from the program for reasons other than academic problems will be considered for readmission on an individual basis. 2. Any student who has accumulated the equivalent of any five full days absence in any subject may be dropped from the course. students will be limited to two semesters of CRTR 1304 (Machine Shorthand I). Students who do not complete all requirements for this course. issued on the following basis: including three 40 wpm five-minute tests with a grade above a D, within this time frame may be redirected to another program. Grades will be All CRTR Students

Court Reporting

- 90 100
- 08 89
- CB 79
- 60 69
- 59 or less

below will not be accepted for advancement in machine shorthand classes. No grade below a C (70%) in any CRTR English class, including CRTR 1312, CRTR 2311, will be accepted for progression. A grade of D or

Transfer students:

- must provide the ACC Records Office with official transcripts for each institution attended and request evaluation by the Graduation Advisor and the Court Reporting Department Chairperson.
- 0 may apply for credit by examination by testing in the following areas: Legal Terminology, Medical Reporting, Reporting Communications I, Machine Shorthand courses.

4. The Court Reporting Department will assist all graduates of the program in obtaining employment.

5. Advancement in the machine shorthand courses involves utilization and development of skills, which may be more difficult for some individuals: therefore, successful completion of these courses may require more than the two years outlined in the degree plan.

Associate of Applied Science Degree Program (A.A.S.)

Course Number

Course Title

CRTR 1202 CRTR 1312 CRTR 1304

Court Reporting Communications I Machine Shorthand I - Theory

_aw and Legal Terminology

Creative Arts or First Semester FIRST YEAR

Select from Creative Arts Core Curriculum Select from Language, Philosophy & Culture Core Curriculum

Language, Philosophy & Culture

Second Semester CRTR 1207 CRTR 1214 CRTR 1306

Court Reporting Technology I Machine Shorthand II (60-80-100) Medical Court Reporting

WNWNN

Machine Shorthand Speedbuilding (60-80)

Court Reporting (CIP 22.0303)

281-756-3757

Credits

	CRTR 2311	Medical Court Reporting Reporting Communications II
	Third Semester * Social & Behaviorial Sciences CRTR 1208 CRTR 1257 CRTR 2301	Select from Social & Behaviorial Sciences Core Curriculum Realtime Court Reporting I Literary/Jury Charge Dictation I (100-120) Intermediate Machine Shorthand (120-140)
	SECOND YEAR First Semester * Government/Political Science CRTR 1259 CRTR 2217 CRTR 2303 CRTR 2312	Select from Goverment/Political Science Core Curriculum Literary/Jury Charge Dictation II (140-160) Technical Dictation Advanced Machine Shorthand (160-180) Court Reporting Procedures
	Second Semester * Mathematics or * Life & Physical Sciences CRTR 2231 CRTR 2335	Select from Mathematics Core Curriculum Select from Life & Physical Sciences Core Curriculum Court Reporter Certification Preparation (CSR/RPR) Accelerated Machine Shorthand (200-225)
	Third Semester * CRTR 2381 * SPCH 1318	Cooperative Education - Court Reporting/Court Reporter Interpersonal Communications
ೆ 💆	al Credits Required A.A.S. Court Reporting	ng

* Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course

- One 180 wpm five-minute literary test with no more than 20 errors 97.8%
- One 180 wpm five-minute testimony test with no more than 20 errors 97.8%
- One 200 wpm five-minute jury charge test with no more than 25 errors 97.5%
- One 200 wpm five-minute testimony test with no more than 25 errors 97.5%
- Two 225 wpm five-minute testimony tests with no more than 25 errors 97.8%
- Two mock CSR exams. EACH exam consists of the following:
- One 180 wpm five-minute literary test with no more than 45 errors 95% One 200 wpm five-minute jury charge test with no more than 50 errors - 95%
- One 225 wpm five-minute testimony test with no more than 56 errors 95%
- 12 Each student shall complete an internship (CRTR 2381) with a court reporter. Students are encouraged to utilize the dictation created by the faculty for home practice and skill building during free periods and before and after school

Capstone Course

The student shall pass three five-minute tests with a minimum of 95% accuracy at each of the following speeds: 200 words per minute jury charge and 180 words per minute literary. The student shall pass two five-minute tests with a minimum of 95% accuracy and two five-minute tests with a minimum of 97.8% accuracy. These tests will include the following:

arena: off-line and on-line captioning and also realtime translation of meetings, seminars, conferences, and classroom realtime translation. Purpose: The captioning enhanced skills certificate prepares the student seeking the A.A.S. degree in court reporting to also work in the captioning

CRTR 1346 Captioning Reporting I 3 CRTR 2333 Captioning Reporting II 3	The state of the s		
Captioning Reporting II	CRTR 1346	Captioning Reporting I	
	CRTR 2333		

Court Reporting Certificate (CIP 22.0303)

Purpose: The certificate in Court Reporting prepares the student for full-time employment immediately in a specialized business occupation. This course provides a job outlet for those students who desire to work in the court reporting field, but do not wish to pursue an A.A.S. degree plan.

Certificate will be awarded upon satisfactory completion of the six-semester program.

Note: The A.A.S. program requirements also apply to the certificate program in Court Reporting. Program Requirements: Students entering this program must be high school graduates or possess a GED equivalency certificate. Each student is urged to consult with the Counseling Center and the Court Reporting Department Chairperson in planning his/her program. The Court Reporting

		*Capstone Course
45	Total Credits Required for Court Reporting Certificate	Total Credits Required for Court Repor
ယ	Cooperative Education-Court Reporting/Court Reporter	Third Semester *CRTR 2381
ω N	Court Reporter Certification Preparation (CSR/RPR) Accelerated Machine Shorthand (200-225)	Second Semester CRTR 2231 CRTR 2335
ωωΝΝ	Literary/Jury Charge Dictation II (140-160) Technical Dictation Court Reporting Procedures Advanced Machine Shorthand (160-180)	SECOND YEAR First Semester CRTR 1259 CRTR 2217 CRTR 2312 CRTR 2303
ω N N 	Realtime Court Reporting I Literary/Jury Charge Dictation I (100-120) Intermediate Machine Shorthand (120-140)	Third Semester CRTR 1208 CRTR 1257 CRTR 2301
12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Machine Shorthand Speedbuilding (60-80) Court Reporting Technology I Machine Shorthand II (60-80-100) Medical Court Reporting Court Reporting Communications II	Second Semester CRTR 1207 CRTR 1214 CRTR 1306 CRTR 2206 CRTR 2311
22 2380 02 318 2380 03 318 238	Law and Legal Terminology Machine Shorthand I - Theory Court Reporting Communications I	FIRST YEAR First Semester CRTR 1202 CRTR 1304 CRTR 1312
Credits	Course Title	Course Number

Court Reporting

Court Reporting Scopist Certificate

(CIP 22.0303)

Purpose: The Court Reporting Scopist Certificate prepares the student for full-time employment immediately in a specialized business occupation. This course provides a job outlet for those students who desire to work in the court reporting field, but do not desire to become a court reporter, or who find they must secure employment within a shorter time.

Total Credits Required for Court Reporting *Capstone Course	Third Semester * CRTR 2380 or * CRTR 2301	Second Semester CRTR 2206 CRTR 2311 CRTR 2313 or CRTR 1208	FIRST YEAR First Semester CRTR 1202 CRTR 1214 CRTR 1304 CRTR 1312	Course Number	court reporter, or who lind tries in the court reporter, or who lind tries in the court is program must be program Requirements: Students entering this program must be student is urged to consult with the Counseling Center and the Court Reporting Scopist Certificate will be awarded upon satisfactory comp
Total Credits Required for Court Reporting Scopist Certificate	Cooperative Education-Court Reporting/Court Reporter (Scopist) or Intermediate Machine Shorthand (120-140)	Medical Court Reporting Court Reporting Communications II Court Reporting Technology II (Scopist) or Realtime Court Reporting I	Law and Legal Terminology Court Reporting Technology I Machine Shorthand I - Theory Court Reporting Communications I	Course Title	court reporter, or who find triey trius secure courses. Each program Requirements: Students entering this program must be high school graduates or possess a GED equivalency certificate. Each program Requirements: Students entering this program must be high school graduates or possess a GED equivalency certificate. The Court student is urged to consult with the Counseling Center and the Court Reporting Department Chairperson in planning his/her program. Student is urged to consult with the Counseling Center and the Court Reporting Scopist Certificate will be awarded upon satisfactory completion of the three-semester program. Credits
CRIB 2311 CRIB 2310 CRIB 2300 CRIB 2300 CRIB 2300	STEP STRO	2 Nodewij servoo 3 Nodewij servoo 9 AST SERST 10 SERST SERS	Bill Tolling off 1880414 The 2011th point 1880414 2 do a sebrora serio 2 do a sebrora mergor 2 a serio hupan mergor 3 a serio hupan mergor 5 a a serio hupan mergor 5 a a a serio hupan mergor 5 a a a serio hupan mergor 5 a a a serio hupan mergor		alency certificate. Each s/her program. The Court

Purpose: The curriculum in Criminal Justice prepares individuals for career services in law enforcement and related occupations. Supported by a broad general education, training is given to develop professional competence in the fields of law enforcement administration, police science, prevention and control of delinquency and crime, correctional administration, and industrial security administration. This curriculum is applicable to both the preparatory student and the experienced officer.

Admission Requirements:

General requirements for admission to the College.

- Program Requirements:

 1. Complete ACC graduation requirements (see Table of Contents, Academic Policies and Regulations).
- Complete a minimum of 60 approved credit hours.

Upon satisfactory completion of program and ACC graduation requirements, the student will be awarded the Associate of Applied Science Degree.

Course Number Fall Semester * CRIJ 1301	Course Title Introduction to Criminal Justice
CRIJ 1307 CRIJ 2301 or CJCR 1304 * Speech	Crime in America Community Resources in Corrections or Correct
Spring Semester CRIJ 2313	Correctional Systems and Practices
CRU 2314 Elective Group 2 + ENGL 1301	Criminal Investigation Select 3 hours from Elective Group 2 below Composition I
* Social & Behavorial Science	Select from Social & Behavorial Science Core Curriculum
Fall Semester Elective Group 2 * Mathematics or * Life & Physical Sciences	Select 12 hours from Elective Group 2 below Select from Mathematics Core Curriculum Select from Life & Physical Sciences Core Curriculum
** Spring Semester ** CRIJ 2328 Elective Group 1 * Language, Philosophy & Culture	Police Systems and Practices Select 9 hours from Elective Group 1 below
Elective Group 1 CRIJ 1310 CRIJ 1313 CRIJ 2323 CJLE 1518	Fundamentals of Criminal Law Juvenile Justice System Legal Aspects of Law Enforcement Basic Peace Officer III (Police Academy)
Elective Group 2	Basic Peace Officer IV (Police Academy)
BCIS 1305 or CJLE 1211 CJLE 1327	Business Computer Applications or Basic Firearms (Police Academy) Interviewing and Report Writing from Criminal Justice Professions
CJLE 1506	Basic Peace Officer I (Police Academy) Basic Peace Officer II (Police Academy)
CJLE 2345	Vice and Narcotics Investigation
CJSA 1308 CJSA 2323	Criminalistics II
CJSA 2332 ** CJSA 2364	Criminalistics III Practicum - Criminal Justice/Safety Studies Practicum - Criminal Justice/Safety Studies

Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.
 Articulated credit from an approved and successfully completed high school program may substitute for this class.
 Capstone Course

2016-17 Rev: 05-30-16

Criminal Justice - Law Enforcement and Police Administration

Purpose: This course provides the student with the goals and principles of physical evidence and defines the application of forensic sciences to the criminal investigation. It identifies the goals of crime scene management and provides the methodologies employed in recording the crime scene and in locating, collecting, and preserving the evidence. The importance and procedures for establishment of the chain of custody are presented, as are the methods utilized for requesting lab analysis of the recovered items of evidence. Emphasis is placed on providing each student with hands-on experience with lecture.

Program Requirements: A certificate student takes twenty seven (27-33) hours of prescribed courses. Upon successful completion of the approved course work, the student will be awarded a Crime Scene Certificate.

Course Number	Course Title	Credits
First Semester		Course Mumber
CRIJ 1301	Introduction to Criminal Justice	CEL 130
CRIJ 1306	Court Systems and Practices	OKU 130%
CJSA 1308 or CRIJ 2314	Criminal Investigation	C10H 1304
Second Semester	Select 3 points from SECH 1319, 1318 of 5339	22
CRIJ 1310 or CJLE 1506	Fundamentals of Criminal Law Basic Peace Officer I (Police Academy)	CKIN N313E
CRIJ 2323 or CJLE 1512	Legal Aspects of Law Enforcement Basic Peace Officer II (Police Academy)	
CJSA 2323	Criminalistics II good sension leaded a leaded mod baging a	Social S Island Regard & Island
Third Semester CRIJ 2328 or CJLE 1518	Police Systems and Practices Basic Peace Officer III (Police Academy)	3 S quois evidella a quois evidente evident
CRIJ/CJLE/CJSA Elective		
** CJSA 2332	Criminalistics III	CKIN S3SB shund semester
Total Credits Required for Crime Soa***Canstone Course	Total Credits Required for Crime Scene Technician Certificate* **Canstone Course	utuo 8 yriqoadiid9 jegsugns J

Capstone

Criminal Justice - Basic Law Enforcement Academy Certificate (CIP 43.0107) 281-756-3780 **Police Academy**

occasionally on weekends or at night. The night academy classes are 6 pm to 10 pm, Monday thru Friday, however some classes may occasionally are conducted between 7:30 am and 5:30 pm, Monday through Friday; however, Police Driving and other skills classes may be conducted Length: Approximately 19 weeks - The day academy is conducted and completed during each of the regular semesters (fall and spring). Classes be conducted on weekends.

is designed so the student can meet the testing objectives of the Texas Commission on Law Enforcement (TCOLE) and be certified to take the Purpose: The Alvin Community College Law Enforcement Academy train women and men for a career in Law Enforcement. The course curriculum last 3 decades. TCOLE licensing examination. In addition, students will earn a total of 22 credit hours. The Academy has graduated over 100 classes during the

Accreditation: The Alvin Community College-Law Enforcement Academy is an approved training academy by the Texas Commission on Law

Admission Requirements: To be eligible for the program the student must

- Be a high school graduate or hold a certificate of equivalency (GED):
- Be a U.S. Citizen;
- Be 21 years of age at the time of completion of the course or seek special approval from the Academy Director.
- Successfully pass a Vocabulary and Reading Comprehension proficiency exam prior to the enrollment process;
- 0 0 Provide a valid Texas Driver's license;
- Provide a Birth Certificate;
- Provide a high school diploma/GED + college transcripts (if applicable);
- Agree to purchase and wear the prescribed academy uniform;
- Complete 「COLE L-2 (Declaration Medical Condition) and TCOLE L-3 (Declaration of Psychological and Emotional Health);
- Accurately complete a personal history statement;
- = Sign required waiver forms as presented by the college;
- Abide by the rules of the Academy and Administrative orders;
- Pay special fees associated with the Academy courses;
- 14. Meet the minimum standards for licensing as required by TCOLE (Texas Administrative Code 217.1) which are applicable to a training environment.

The following is a summary of the standards and should any conflict occur between the summarized standards and the TCOLE standards, then the TCOLE standards will govern: (TCOLE rules are subject to change without notice)

- Be 21 years of age prior to being commissioned
- 5 Be fingerprinted and pay the necessary fees
- Not be on probation for any offense above a class "C" misdemeanor.
- . 7 6 4 6 6 6 No convictions in past 10 years for misdemeanor offenses above a Class "C".
 - No felony convictions.
 - No convictions or served no probation for offenses relating to the responsibilities of the office as a peace officer.
 - Be of good moral character.
- Prior military must have honorable discharge.
- Be a U.S. citizen.

Special Registration Requirements:

Since this course is governed by the TCOLE rules the following special conditions apply:

- No late registration-all special conditions to registration must be completed prior to the first class meeting
- The student must attend an orientation prior to the start of the academy.

Course Requirements:

Day Academy students must enroll in Basic Peace Officer I, II, III, and IV and the Basic Firearms course in the same semester to attend the Academy and these courses are available only to those attending the Academy. The student must successfully complete the entire series to receive credit in have the Fall and Spring semester to complete the series. any of the courses and their licensing endorsement. Night Academy students must meet the same requirements as the Day Academy students, but

Special Fees charged by the college:

- Ammunition/Range Fee \$475.00
- Driving Fee \$15.00
- CPR Card Fee \$5.00
- TCOLE Exam Fee \$25.00
- Required Supply Fee \$30.00

Purchases expected by the student: Required uniforms and related supplies.

- Required books.

- General supplies.

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Course Title Basic Peace Officer II Basic Peace Officer III Basic Peace Officer III Basic Peace Officer III		Basic Dance Officer IV	**0 = 1 1534
Course Title Basic Peace Officer II Basic Peace Officer II Basic Peace Officer II Basic Peace Officer III Basic Peace Officer III Basic Peace Officer III		Dadio I caco Officer III	כטבר וטוס
Course Title Basic Peace Officer I Basic Peace Officer II	MAIDS S ASHO 19XS2574ASL2710SUSS.	Racio Peace Officer III	C = E 1518
Course Title Basic Peace Officer II		- COCC - COCC - C	0011
Course Title Basic Peace Officer I have a result of selection and the model grace to select	TO DEBUSEN DES VIBRILISTS SESSE VIBRISSE	Basic Peace Officer II	C.II F 1512
Course Title	The state of the s	Basic Peace Officer I	CJLE 1506
Course Title	A VANIS OF STAN STAN TO STAN TO STAN TO STAN TO	Conservation of the conser	Contac Manipel
	Credits	Course Title	Course Number

Rev: 05-30-16

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Purpose: The culinary arts program prepares individuals for a wide variety of entry level positions in the food service industry. This program provides all of the educational components required for certification through the American Culinary Federation. The objective of the program is to give students an array of culinary and management skills that are utilized in today's food service industry.

Program Requirements: The culinary arts curriculum contains a core of eight culinary arts classes, seven management classes, two semesters of practicum and general education classes from the common core curriculum. All students are expected to handle and process a variety of flesh based protein items during their education. During the first and second semester, students are required to enroll in all of the classes listed. Exceptions require prior approval from the program director. It is strongly suggested that prospective students visit with the program director prior to enrolling

Total Credit					redentials Credentials Credentials This progra to Commit Nace speci Admiss A To
Total Credits Required for A.A.S. Culinary Arts Degree	Second Semester *Creative Arts or *Language, Philosophy & Culture *Social & Behavioral Sciences *CHEF 1265 RSTO 2301	First Semester +ENGL 1301 +AMG 1321 FWA 1217 +Mathematics or +Life & Physical Sciences or MATH 1332	Third Semester (summer) BCIS 1305 CHEF 1264 CHEF 1291	Second Semester CHEF 1291 CHEF 1302 CHEF 1310 CHEF 1341 CHEF 1345 IFWA 1318	Course Number FIRST YEAR First Semester CHEF 1301 CHEF 1205 CHEF 2201 CHEF 2302 HAMG 1324 PSTR 1301
egree	Select from Creative Arts Core Curriculum Select from Language, Philosophy & Culture Core Curriculum Select from Social & Behavioral Sciences Core Curriculum Practicum (or Field Experience) Culinary Arts/Chef Training Principles of Food and Beverage Controls	Composition I Introduction to the Hospitality Industry Food Production and Planning Select from Mathematics or Life & Physical Sciences Core Curriculum Contemporary Mathematics	Business Computer Applications Practicum (or Field Experience) Culinary Arts/Chef Training Current Events in Culinary Arts	Special Topics in Culinary Arts/Chef Training Principles of Healthy Cuisine Garde Manger American Regional Cuisine International Cuisine Nutrition for the Food Service Professional	Course Title Basic Food Preparation Sanitation and Safety Intermediate Food Preparation Saucier Hospitality Human Resources Management Fundamentals of Baking
60	876-876 1 3 H 3 H 3 H 3 H 3 H 3 H 3 H 3 H 3 H 3	ωνωω	ννω	ယ ယ ယ ယ လ ့	Credits 3 2 2 3 3 3

Culinary Arts

^{*}Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

^{*}Capstone Course

Culinary Arts Certificate (CIP 12.0503)

Purpose: The one-year certificate in culinary arts prepares students for entry level positions in the food service industry. This certificate can lead to certification through the American Culinary Federation. The objective of the program is to give the student basic culinary and management skills that are utilized in today's food service industry.

a semester long practicum. All students are expected to handle and process a variety of flesh based protein items during their education. During the first and second semester, students are required to enroll in all of the classes listed. Exceptions require prior approval from the program director. Program Requirements: The program includes 24 hours of culinary arts classes, 11 hours of management classes, a computer science class and It is strongly suggested that prospective students visit with the program director prior to enrolling.

Credits

CHEF 1205 CHEF 2201 CHEF 2302 HAMG 1324 PSTR 1301 Second Semester CHEF 1302 CHEF 1302 CHEF 1310 CHEF 1341 CHEF 1345 Intermational Cultimation for the Population for the CHEF 1264 CHEF 12	Course Number First Semester CHEF 1301
Intermediate Food Preparation Saucier Hospitality Human Resources Management Fundamentals of Baking Principles of Healthy Cuisine Garde Manger American Regional Cuisine International Cuisine Nutrition for the Food Service Professional Computer Applications I Practicum (or Field Experience) Culinary Arts/Chef Training Current Events in Culinary Arts	Course Title Basic Food Preparation 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Total Credits Required for Culinary Arts *Capstone Course

Purpose: To provide students with basic management skills utilized in today's food service industry. This certificate is designed to complement the culinary arts certificate and can lead to certification through the American Culinary Federation. The objective is to prepare students for entry level to the complement of the complement o Culinary Arts - Culinary Management Certificate (CIP 12.0503)

kitchen management positions. The certificate program includes 19 hours of culinary management classes, a computer science class and a semester

am Requirements: visit with the program director prior to enrolling

Course Number Course Title Taubil Villation of the Notice Number Tree ANT T	long practiculit. It is success and	long practiculing it is successful to the succes	Credits
	Course Number		EMY sold
1 Composer	000		\

			-
Third Semester (Summer) *CHEF 1265	Second Semester CHEF 1291 IFWA 1318 POFI 1301 RSTO 2301 RSTO 2301	First Semester CHEF 1205 HAMG 1321 HAMG 1324 IFWA 1217	Course Number
Practicum (or Field Experience) Culinary Arts/Chef Tra	Current Events in Culinary Arts/Chef Training Nutrition for the Food Service Professional Computer Applications I Principles of Food and Beverage Controls	Sanitation and Safety Introduction to the Hospitality Industry Hospitality Human Resources Management Food Production and Planning	Course Title plaubni viisligeok ent et notbubethi
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Associate of Applied Science Degree Program(A.A.S.) - Articulated Credit (In either Adult Echocardiography or Vascular Sonography, or Pediatric Echocardiography)

graduation, students will possess the skills necessary to perform ultrasound and related diagnostic exams of the heart and blood vessels. in Adult Echocardiography, Pediatric Echocardiography, or Vascular Sonography which are branches of Diagnostic Medical Sonography. Upon credentials by taking the national registry exam offered by the American Registry of Diagnostic Medical Sonographers (ARDMS) or Cardiovascular diagnostic techniques. The program has many clinical affiliations around the greater Houston - Galveston area. Graduates of the program earn their and clinical instruction on subjects including basic healthcare skills, professional issues, medical terminology, ethics, cardiovascular anatomy and services, self-employment, sales, education, and research. The Diagnostic Cardiovascular Sonography core curriculum consists of classroom, lab, Echocardiographers and Vascular Sonographers practice in a variety of settings including hospitals, diagnostic centers, doctors' offices, contract Credentialing International (CCI). physiology, hemodynamics, pathophysiology, pharmacology, electrocardiography, ultrasound physics, echocardiographic techniques and vascular The Diagnostic Cardiovascular Sonography Program offers a two-year curriculum to prepare individuals for an allied health career

three specialty tracks and both degree options are accredited. the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park St., Clearwater, FL 33756, Tel: 727-210-2350. All This program is accredited through the Joint Review Committee for Diagnostic Medical Sonography (JRC-DMS) which is under the umbrella of

Admission Requirements: Application Deadline February 15 - Please call DCVS department to obtain an official packet.

- To be considered for admission to the Diagnostic Cardiovascular Sonography Program, the applicant must:
- 1. Be a high school or GED graduate.
- Apply to ACC and fulfill the college admission requirements, including the TSI Assessment.
- Submit official transcripts of all previous college work to both the Program and the Admissions/Registrar's Office.
- Complete all pre-requisites with a grade of C or better including: ENGL 1301, BIOL 2401, BIOL 2402, MATH Core, PHYS 1401 (or any 4 credit college level or applied Physics can be accepted, including CTEC 1401).
- Take the ACT or SAT. (This is required for ALL AAS DCVS Applicants regardless of previous college or degree level.) Score a minimum composite score of at least 19 on the ACT or combined math and verbal of 900 on the SAT. Test scores must be within 5 years of the time of application. The optional writing portion is not required and does not count towards the score. Submit official score We do NOT require the HESSE. report (sealed) to the registrar or directly to the DCVS program. Go to www.ACTStudent.org or www. SATCollegeBoard.org to register.
- Sonography is required for a total of 12 observatory hours. (Adult Echo 4 hrs, Pedi Echo 4 hrs, Non-Invasive Vascular 4 hrs) See professional observation. A minimum of 4 hours of observation in Adult Echocardiography, Pediatric Echocardiography, and Vascular Demonstrate understanding of the responsibilities, personal qualities, duties and skills required of the profession by completing a These are required at the time of application.
- 7. observation form for details on how to schedule the observation hours. These are required at the time of application.

 Complete and submit the application to the Diagnostic Cardiovascular Sonography Program and attend one of the mandatory DCVS information sessions. See the Webpage for dates and registration. Use the check list provided in the application packet to ensure all components of the requirements are met.
- 00 Must have all three (3) HEPATITIS B shots to apply. Immunizations required are: Hep.B (all 3 injections), MMR, Varicella, disease is NOT accepted. TDaP. If records are not available then updated immunizations or titer tests are required to show immunity. History of
- 9 Not currently on suspension or academic probation from ACC or any other college or dismissal or failure from any other sonography
- 10. Submit two reference forms. References must be professional or academic, current, and sealed. See required form in application packet for instructions.
- 11. Complete the personal statement.
- 12. Include a current photo. May be from a copy of driver's license, passport photo or current student ID with photo
- 13. Upon acceptance, pass a criminal background check and drug screen.
- 14. Upon acceptance, complete a physical examination including chest x-ray or TB skin test, vision test, and verification of immunization
- 15. Complete the AHA (American Heart Association only) Healthcare provider course for CPR prior to July.
- 16. Once accepted, attendance at New Student Program Orientation is mandatory.
- 17. Full acceptance is contingent upon: complete application with all requirements met, attendance at the mandatory new student orientation, successful completion of criminal background check, drug screen and physical exam.
- 18. Timeline: February Applications Due, March Acceptance Packets are sent, April Criminal Background Checks, Physical Exam & Mandatory Orientation, June - Start Program

- B Anatomy and physiology should have been taken within the past 5 years to satisfy the degree requirements. If your A&P is expired please take DSAE 2303 Cardiovascular Concepts prior to acceptance. DSAE 2303 is an internet course offered every semester.
- 0 If students are in progress with all or some of the prerequisites during the spring semester they are allowed to apply; however, you must Have your professor send an email as of February 15th indicating your progress/status in that pre-requisite to jmurphy@alvincollege.
- Those in progress will be accepted on contingency if space permits after those who are completed with all the pre-requisites
- D. Transfer and non-traditional students must:
- Have a cumulative GPA of 2.0 or higher on all courses being transferred to the DCVS program Meet the above criteria.
- Provide program and Registrar's Office with official transcripts from each prior institution.
- Provide the DCVS program with a course description or syllabus for each course being considered for transfer.
- Credit may be awarded for support courses equivalent to these included in the DCVS program as determined by examination of the Not currently on suspension or academic probation from any college or sonography program.
- syllabus of the transfer course. A grade of C or better must be achieved for transfer courses.
- Transfer students must complete a minimum of 24 credit hours at ACC to be awarded a Degree from this institution.

II. Alternate Enrollment:

- Practicing Echocardiographers and Vascular Sonographers who wish to earn their degree.
- This option applies to those who are registered in Adult Echocardiography or Vascular Sonography with at least 2 years of experience and would like to earn their Associate Degree. Requires advance permission from program director
- DCVS program courses may be challenged in sequence. Credit is awarded by examination or self-study and distance education.
- Practicing Echocardiographers and Vascular Sonographers who wish to take courses for refresher or registry exam review. Admission requirements, pre-requisites and academic courses are still required.
- These students may register as an audit to sit in on any course offered through the DCVS Program for refresher or registry review This option is available to all Echo and Vascular sonographers with advanced permission from program director.
- on a space available basis. Contact the program Director for more information

2

Progression Policies:

- III. Get a Head Start: DMSO 1210 - Introduction to Sonography may be taken by any student who wishes to gain more information about the profession prior
- to being accepted into the program. DMSO 1210 is an internet course offered every semester.
- W DSAE 2303 is an internet course offered every semester. DSAE 2303 - Cardiovascular Concepts may be taken prior to acceptance and or to renew expired Anatomy and Physiology knowledge
- Once a student is enrolled in the program, all core courses must be completed in the proper sequence as shown in the catalog degree

Students will abide by the admission and curriculum requirements of the Diagnostic Cardiovascular Sonography department at the time

- plan, or must have prior approval of the program director. A grade of C or better is required in all core and academic courses for progression. Passing score for all DCVS courses is 77.
- D A student may be terminated from the program if clinical or class/lab performance is unsatisfactory as determined by the instructor and
- of C or better. If the failing course is one of the DCVS program core courses, the student may have to sit out for a year until that course is the program director. This action may be taken at any time during the program. A student who makes a D or F in any DCVS, core or academic course may repeat that course once in order to obtain a satisfactory grade
- ш offered again depending on pre and co-requisites for that course. A maximum of two attempts at any course will be allowed. If a student Any student requiring hospitalization, pregnant, or injured will be required to obtain written documentation from his/her physician fails the second attempt they will be unable to continue in the program and they are not eligible for re-admission. verifying the health status of the student before returning to class, lab, or clinical. A student may not be allowed to return to clinical if
- Students have five years to complete the program after initial acceptance taking medication or if health status may interfere with the ability to perform satisfactorily.
- H G If a student does not complete all DCVS courses and academic courses within 5 years, they will be dropped from the program. Those students are eligible to re-apply. If accepted they must start completely over and repeat all DCVS courses from the beginning in
- sequence and complete them on time in the usual 2 year time period.

281-756-5650

Adult Echocardiography (CIP 51.0910)

Diagnostic Cardiovascular Sonography

Diagnostic Cardiovascular Sonography - Adult Echocardiography

*Prerequisite courses must be completed or in progress by the application deadline. Deadline is February 15th. ΔCapstone Course *Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection. ** + Social & Behavioral Sciences *+ ENGL 1301 * + Mathematics ** BIOL 2402 ** BIOL 2401 ** PHYS 1401 or * CTEC 1401 △ DSAE 2462 Program Pre-requisites - Must be completed or in progress in order to apply. Second Semester (Fall 16 weeks) (Consider DSPE 1300 or DSVT 1300 for cross-training (Introduction to Pedi Echo Tech or Principles of Vascular Tech.) First Semester (Summer 11 weeks) Third Semester (Spring 16 weeks) **DMSO 1210** HPRS 1304 First Semester (Summer 11 weeks) **DSAE 2303** FIRST YEAR Third Semester (Spring 16 weeks) Second Semester (Fall 16 weeks) SECOND YEAR **DSAE 1360 DSAE 1303 DMSO 1342 CVTT 1161 DSAE 1340** Course Number **DSAE 2335 DSAE 2461 DSAE 2337** Creative Arts **DSAE 2361 DSAE 2304** Language, Philosophy & Culture or Cardiovascular Concepts Introduction to Sonography Select from Mathematics Core Curriculum Applied Petrochemical Technology Composition I Anatomy and Physiology II Anatomy and Physiology Select from Language, Philosophy & Culture Core Curriculum or Select from Creative Arts Core Curriculum Clinical - Cardiovascular Technology Diagnostic Electrocardiography Select from Social & Behavioral Sciences Core Curriculum College Physics I (or PHYS 1410, PHYS 1415, SCIT 1420) or) Course Title Clinical - DMST Echo III Advanced Echocardiography Clinical - DMST Echo II Echocardiography Evaluation of Pathology II Clinical - DMST Echo I Echocardiography Evaluation of Pathology I Clinical - DMST Intro to Echo Introduction to Echocardiography Techniques Intermediate Ultrasound Physics Basic Health Profession Skills Credits

"These courses may be taken prior to acceptance. DSAE 2303 may be taken in advance of acceptance to renew expired A&P credits.

2016-17 Rev: 05-30-16

Diagnostic Cardiovascular Sonography

281-756-5650

Diagnostic Cardiovascular Sonography - Pediatric Echocardiography

Course Title	
Designation of the State of the	
in progress in order to apply.	4.9
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La Physics I (or PHYS 1410, PHYS 1415, SCIT 1420) or)	
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Select from Creative Arts Core Curriculum	2114 61/05 2
Echo Eval of Congenital Heart Diesease I	2
Clinical - DMST Pediatric Echo I	SVE NO.
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Echo Eval of Congenital Heart Disease II	2
Clinical - DMST Pediatric Echo II	4
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A Legand Bediatric Echocardiography	
Advanced Fediatric Echo III	4
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ar Sonography - Pediatric Echocardiography	Next odnikative i
	Course Number Program Pre-requisites - Must be completed or in progress in order to apply. * BIOL 2401 * BIOL 2401 * BIOL 2402 * CIEC 1401 * BIOL 2402 Composition I College Physics (or PHYS 1416, PHYS 1415, SCIT 1420) or) * PHYS 1401 or * PHYS 1401 or * PHYS 1401 or * PHYS 1401 or College Physics (or PHYS 1416, PHYS 1415, SCIT 1420) or) * Applied Petrochemical Technology Cortect 1401 * Second Semester (Summer 11 weeks) Basic Health Profession Skills HPRS 1304 DSRE 2303 Second Semester (Summer 11 weeks) Introduction to Sonography Cardiovascular Concepts Select from Social & Behavioral Sciences Core Curriculum ** Social & Behavioral Sciences Intro to Pedi Echo Techniques DSRE 1340 CYTT 1161 Third Semester (Spring 16 weeks) DSPE 1285 SECOND YEAR Fourth Semester (Summer 11 weeks) DSPE 1286 SECOND YEAR Fourth Semester (Summer 11 weeks) DSPE 2261 Fifth Semester (Fall 16 weeks) DSPE 2261 Fifth Semester (Fall 16 weeks) DSPE 2261 Fifth Semester (Fall 16 weeks) DSPE 2261 Fifth Semester (Spring 16 weeks) DSPE 2261 Fifth Semester (Spring 16 weeks) DSPE 2262 DSPE 2263 DSPE 2263 Advanced Pediatric Echo II Clinical - DMST Pediatric Echo III Sixth Semester (Spring 16 weeks) DSPE 2262 Advanced Pediatric Echo III Clinical - DMST Pediatr

* Pre-requisite courses must be completed or in progress by the application deadline.

** Courses may be taken prior to acceptance. NOTE: DSAE 2303 may be taken in advance of acceptance to renew expired A&P credits.

2016-17 Rev: 05-30-16

Vascular Sonography (CIP 51.0910)

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

Course Number	Course Title Credits
rogram Pre-requisites - Must be con	Program Pre-requisites - Must be completed or in progress in order to apply.
** BIOL 2401	Anatomy and Physiology I
*+ BIOL 2402	Anatomy and Physiology II
4 -	Composition I
* CTEC 1401 No Visign lander of	Applied Petrochemical Technology
*+ Mathematics	Select from Mathematics Core Curriculum
FIRST YEAR	
First Semester (Summer 11 weeks)	
* HPRS 1304	Basic Health Profession Skills
DMSC 1210	initioduction to comography
" DSAE 2303	Cardiovascular Concepts
Second Semester (Fall 16 weeks)	
* Social & Behavioral Sciences	Select from Social & Behavioral Sciences Core Curriculum
DSAE 1340 CVTT 1161	Diagnostic Electrocardiography Clinical - Cardiovascular Technology
Third Semester (Spring 16 weeks)	
DMSO 1342	Intermediate Ultrasound Physics
DSVT 1360	Clinical - DMST Introduction to Vascular
SECOND YEAR	
Fourth Semester (Summer 11 weeks)	elle selsen i Tre optional writing portion is not required and does not out (S
DSVT 2330	Cerebral Vascular Evaluation and a SVOG set of valuation and appears Clinical - DMST Vascular I
Language, Philosophy & Culture or Creative Arts	Select from Language, Philosophy & Culture Core Curriculum or Select from Creative Arts Core Curriculum
Fifth Semester (Fall 16 weeks)	
DSVT 2318 to end brieffs bits mare	Peripheral Vascular Evaluation Peripheral Vascular Evaluation
DSVT 2461 solidas est el bebroid	Clinical - DMST Vascular II a bris establind supequest set sed cano
Sixth Semester (Spring 16 weeks)	e isdaments are not to analy immunivations required are:
DSVT 2335	Advanced Vascular Technology
△ DSVT 2462	Clinical - DMST Vascular III
SHIPSEN OF ISHING HOW SUY OTHER BOILD	training (Introduction to Adult Echo)
Consider DSAE 1303 for cross training (Introduction to Adult Echo)	נומווווווווווון (וווניסממכנוסוו נס אממונ ביבויס)

Capstone Course

^{*}Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

* Pre-requisite courses <u>must</u> be completed or in progress by the application deadline. Deadline is February 15th.

** Courses <u>may</u> be taken prior to acceptance.

NOTE: DSAE 2303 may be taken in advance of acceptance to renew expired A&P credits.

Diagnostic Cardiovascular Sonography

Degree: Advanced Technical Certificate Degree in either Adult Echocardiography, Pediatric Echocardiography, or Vascular Sonography Purpose: The Diagnostic Cardiovascular Sonography Program offers a one and a half year curriculum to prepare those who already have a degree of Diagnostic Medical Sonography. This is not an entry-level certificate. It is above and beyond the healthcare degree the student already in an allied healthcare related field for a career in Adult Echocardiography, Pediatric Echocardiography, or Vascular Sonography which are branches Echocardiographers and Vascular Sonographers practice in a variety of settings including hospitals, diagnostic centers, doctors' has. Upon graduation, students will possess the skills necessary to perform ultrasound and related diagnostic exams of the heart and blood vessels. taking into account the student's prior experience and training in allied healthcare. This program utilizes the same clinical sites all around the greater services, self-employment, sales, education, and research. The Advanced Technical Certificate Program is a condensed version of the A.A.S. option Houston - Galveston area. Graduates of this program may also earn their credentials by taking the national registry exam offered by the American offices, contract

Registry of Diagnostic Medical Sonographers (ARDMS) or Cardiovascular Credentialing International (CCI). This program is accredited through the Joint Review Committee for Diagnostic Medical Sonography (JRC-DMS) which is under the umbrella

of the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park St., Clearwater, FL 33756, Tel: 727-210-2350

All three specialty tracks and both degree options are accredited. Admission Requirements: Application Deadline October 15 - Please call DCVS department to obtain an official packet. A. To be considered for admission to the Diagnostic Cardiovascular Sonography Program in the Advanced Technical Certificate option, the

applicant must:

Have an Associate degree or higher in an allied healthcare related field from an accredited institution with demonstration of program

pre-requisites of: ENGL 1301, BIOL 2401, BIOL 2402, MATH 1314, PHYS 1401 or Allied Health Physics course. A&P credits must be within the past 5 years. If you're A&P is expired take DSAE 2303 Cardiovascular Concepts prior to enrollment in the program

(Offered every semester)

Submit official transcripts of all previous college work to both the Program and the Admissions/Registrar's Office. Apply to ACC and fulfill the college admission requirements.

Must have a current professional credential such as RN, RT, RRT, or RDMS (RDCS or RCS for pediatric echocardiography). Submit

copy of current credential cards. If you do not have a current professional credential, you must take the ACT or SAT. Score a minimum composite score of at least 19 on the ACT or combined math and verbal of 900 on the SAT. Test scores must be within 5 years of the time of application. The optional writing portion is not required and does not count towards the score. Submit official score report (sealed) to the registrar or directly to the DCVS program. Go to www.ACTStudent.org or www. SATCollegeBoard.org to register. We

<u></u>6 Demonstrate understanding of the responsibilities, personal qualities, duties and skills required of the profession by completing a professional observation. A minimum of 4 hours of observation in Adult Echocardiography, Pediatric Echocardiography, and Vascular Complete and submit the application to the Diagnostic Cardiovascular Sonography Program and attend one of the mandatory DCVS observation form for details on how to schedule the observation hours. These are required at the time of application. Sonography is required for a total of 12 observatory hours. (Adult Echo - 4 hrs, Pedi Echo - 4 hrs, Non-Invasive Vascular - 4 hrs) See

information sessions. See the Webpage for dates and registration. Use the check list provided in the application packet to ensure all Must have all three (3) HEPATITIS B shots to apply. Immunizations required are: Hep.B (all 3 injections), MMR, Varicella, TDat

 ∞ If records are not available then updated immunizations or titer tests are required to show immunity. History of disease is NOT Not currently on suspension or academic probation from ACC or any other college or dismissal or failure from any other sonography

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10. Submit two reference forms. References must be professional or academic, current, and sealed. See required form in application

Include a current photo. May be from a copy of driver's license, passport photo or current student ID with photo. packet for instructions

14. Upon acceptance, complete a physical examination including chest x-ray or TB skin test, vision test, and verification of immunization Complete the AHA (American Heart Association only) Healthcare provider course for CPR prior to October and submit copy of card.

17. Full acceptance is contingent upon: complete application with all requirements met, attendance at the mandatory new student Once accepted attendance at New Student Program Orientation is mandatory.

orientation, successful completion of criminal background check, drug screen and physical exam. Timeline: October - Applications Due, November - Acceptance Packets are sent, Criminal Background Checks and Physical Exam is

completed, December - Mandatory Orientation, January - Start Program.

- Transfer and non-traditional students must:
- Meet the above criteria.
- Have a cumulative GPA of 2.0 or higher on all courses being transferred to the DCVS program.
- Provide program and Registrar's Office with official transcripts from each prior institution.
- Provide the DCVS program with a course description or syllabus for each course being considered for transfer.
- Credit may be awarded for support courses equivalent to these included in the DCVS program as determined by examination of the
 - Not currently on suspension or academic probation from any college or sonography program.
- syllabus of the transfer course. A grade of C or better must be achieved for transfer courses.
- Transfer students must complete a minimum of 12 credit hours at ACC to be awarded a Certificate from this institution.

II. Alternate Enrollment:

- Practicing Echocardiographers and Vascular Sonographers who wish to earn an Advanced Certificate
- and would like to earn the Advanced Certificate. This option applies to those who are registered in Sonography with at least 2 years of experience
- pre-requisites are still required. Requires advance permission from program director. DCVS program courses may be challenged in sequence. Credit is awarded by examination or self-study. Admission requirements and
- Former ACC DCVS program graduates who wish to cross train:
- Must be graduates of ACC DCVS
- Must be registered in either Echo or Vascular
- Must apply by October 15th
- Number of openings is dependent upon current student volume in regular programs.
- from program director. Graduates who are registered and would like to cross-train without entering the full A.T.C. program may take the lecture and lab courses in sequence on a space available basis. Contact the program Director for more information. Requires advance permission

III. Get a Head Start:

- DMSO 1210 Introduction to Sonography may be taken by any student who wishes to gain more information about the profession prior to being accepted into the program.
- CB DSAE 2303 - Cardiovascular Concepts may be taken prior to acceptance and or to renew expired Anatomy and Physiology knowledge
- DSAE 1340 Diagnostic Electrocardiography may be taken prior to acceptance to lighten load during program.

W. Progression Policies: See A.A.S. program

Rev: 05-30-16

Advanced Technical Certificate Diagnostic Cardiovascular Sonography -Adult Echocardiography (CIP 51.0910)

* Program Pre-requisites: Associate Degree or higher in an Allied Health field from an Accredited Institution. Prior education must have included: *Algebra, Physics, English, Anatomy & Physiology I & II. Must hold a professional credential Credits

Total Credits Required for Adv Technical Certification	Fourth Semester (Spring 16 week) DSAE 2335	Third Semester (Fall 16 week) ** DSAE 1340 DSAE 2337 ** DSAE 2461	Second Semester (Summer 11 week) ** DSAE 2303 DSAE 2304 DSAE 2361	Spring 16 week)	Course Number
Total Credits Required for Adv Technical Certificate Diagnostic Cardiovascular Sonograpny - Adult Echical Certificate Diagnostic Cardiovascular Sonography - Adult Certificate Diagnostic Cardio	3 Advanced Echocardiography 4 Clinical - DMST Echo III	Diagnostic Electrocardiography 3 Echo Evaluation of Pathology II 4 Clinical - DMST Echo II	3 Cardiovascular Concepts 3 Echo Evaluation of Pathology I 3 Clinical - DMST Echo I	Introduction to Sonography Intermediate Ultrasound Physics Introduction to Echocardiography Techniques Clinical - DMST Intro to Echo	Course Title

△ Capstone Course

- Pre-requisite courses <u>must</u> be completed or in progress by the application deadline. Deadline is October 15th. Courses <u>may</u> be taken prior to acceptance. DSAE 2303 may be taken in advance of acceptance to renew expired A&P credits.

Advanced Technical Certificate Diagnostic Cardiovascular Sonography – Pediatric Echocardiography (CIP 51.0910)

Echocardiography is required. Prior education must have included: *Algebra, Physics, English, Anatomy & Physiology I & II. Must hold a professional Associate Degree or higher in an Allied Health field from an Accredited Institution and current registry in Adult

edential.		Course Title was also have These are required at the lare of an
	Course Number	Course line
	First Semester (Spring 16 week)	
	DSPE 1300	Introduction to Pedi Echo lechniques
	DSPE 1265	Practicum – DMS1, Intro to Feu Lorio
	Second Semester (Summer 11 week)	d)
	DSPE 2257 DSPE 2261	Echo Eval of Congenital Heart Disease T Clinical - DMST Pediatric Echo I
	Third Semester (Fall 16 week)	
	DSPE 2249	Echo Eval of Congenital Heart Disease 2
	DSPE 2461	Clinical - DMOT redianto roto ::
	Fourth Semester (Spring 16 week)	when Program Orientation is manuality
	DSPE 2259	
	△ DSPE 2462	Clinical - DMS1 Fedianic Edito
Total C	redits Required A.T.C. Diagnostic Cardio	Total Credits Required A.T.C. Diagnostic Cardiovascular Sonography Specialty in Pediatric Ecnocardiography.
otal C	realls Required A. I.O. Diagnos.	

∆ Capstone Course

Pre-requisite courses must be completed or in progress by the application deadline. Deadline is October 15th.

2016-17 Rev: 05-30-16

ATC Diagnostic Cardiovascular Sonography - Vascular Sonography

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				marks.			
		Complete an application in the EMS office, 5-108 and provide copies of any current certifications;	hents each Fall and Spring semesters. To be considered for admission to the EMS AEMT or Parametric program, applicants must	I level may be admitted, according to apace available each semester, in the Paramedic program. The AEATT Paramedic program accept	A semester in elitror the Parsmedic or Advanced EMT programs. Students holding Texas or National Registry particulars in the Ad	e abays of prilonous battimbs ed yarn notication at the EMT Basic level certification may be admitted according to space at	
						-10	
				CES			
		-					
Be 18 years of age or older;							

** DSAE 1340	Diagnostic Electrocardiography	Community (Signature of the Community)
DSVT 2318	Peripheral Vascular Evaluation of Pathology	ω W
DSVT 2461	Clinical - DMST Vascular II	2 4 2 4
Fourth Semester (Spring 16 week)	ek) we pulletineten sitemens a TMESM ert eks of villdiglie	
DSVT 2335	Advanced Vascular Technology	ω
△ DSVT 2462	Clinical - DMST Vascular III	of Objectives:
l Credits Required for Adv Technical Certi	al Credits Required for Adv Technical Certificate Diagnostic Cardiovascular Sonography - Vascular Sonography37	phy37
∆ Capstone Course (19019110 to 200408 8	Δ Capstone Course regreme to abeque soft of equienceleter hancerequent evidente maintain bos delicate of ellica not	
* Pre-requisite courses must be complete	* Pre-requisite courses <u>must</u> be completed or in progress by the application deadline. Deadline is October 15th.	r 15th.
* Courses may be taken prior to acceptan	* Courses may be taken prior to acceptance. USAE 2303 may be taken in advance of acceptance to renew expired A&P credits.	w expired A&P credits.

** DSAE 2303 Second Semester (Summer 11 week) Third Semester (Fall 16 week) **DSVT 1360 DSVT 2330** Clinical - DMST Vascular I Cardiovascular Concepts Clinical - DMST Introduction to Vascular Cerebral Vascular Evaluation of Pathology

DSVT 1300 DMSO 1342 Principles of Vascular Technology Intermediate Ultrasound Physics

** DMSO 1210 First Semester (Spring 16 week) Course Number Introduction to Sonography Course Title Physics, English, Anatomy & Physiology I & II. Must hold a professional credential. Program Pre-requisites: Associate Degree or higher in an Allied Health Field from an Accredited Institution. Prior education must have included: *Algebra,

Vascular Sonography (CIP 51.0910)

281-756-5610

Certificates: Advanced EMT, EMT Paramedic

Purpose: The Emergency Medical Technology (EMT) curriculum includes a combination of class lectures, skills training and clinical training in meet departmental standards to take the NREMT examinations. A fee is charged by the NREMT for certification examinations. There may also be and successful students may take the National Registry of Emergency Medical Technicians Registration Examination for Certification. Students must hospital and ambulance settings. This program meets Texas Department of State Health Services (TDSHS) requirements for certification eligibility. EMS practitioners in the 911 and non-emergency treatment and transport areas, hospital emergency department and other specialty areas, as well additional charges for clinical and internship experiences. The Paramedic level of training is the highest in the EMS program and is designed for as industrial facilities and includes extensive instruction in patient assessment, emergency pharmacology, cardiology, advanced airway management and medical emergencies. The Advanced EMT is the intermediate level of instruction and includes advanced airway management and IV therapy, providers, as well as advanced first responders in the Fire Department, Law Enforcement and Industrial Rescue Squad personnel. The EMT-Basic These skills are designed to successfully manage the trauma patient as well the stable medical patient by 911 and non-emergency transpot squad workers, child care personnel, policemen and firemen, as well as anyone who supervises or is responsible for the safety and well-being of a program is designed for persons in the emergency health care field, such as ambulance personnel, safety engineers, industrial nurses, rescue number of people, . The Department of Emergency Medical Technology adheres to the curricula set forth by the U.S. Department of Transportation the Texas State Department of Health Services, the American Heart Association, and the International Trauma Life Support Association.

Components of the curriculum include current treatment modalities including Advanced Cardiac Life Support, Basic Trauma Life Support, and

status, it is a status granted by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions Alvin Community College currently has an approved Letter of Review Self-Study Report (LSSR). A Letter of Review is NOT a CAAHEP accreditation the Letter of Review Self Study Report (LSSR) and other documentation. Letter of Review is recognized by the National Registry of Emergency (CoAEMSP) signifying that a program seeking initial accreditation has demonstrated sufficient compliance with the accreditation Standards through Medical Technicians (NREMT) for eligibility to take the NREMT's Paramedic credentialing examination(s). However, it is NOT a guarantee eventual accreditation

Student Objectives:

- Demonstrate the knowledge base and skills necessary for pre-hospital emergency medical care and management.
- Utilize communication skills to establish and maintain effective interpersonal relationships in the aspects of emergency medical care. Utilize the knowledge and skills principles to provide emergency medical care in the pre-hospital setting.
- Assume responsibility for continuing education to maintain professional education and competency.
- S Assume legal, ethical, and professional accountability.
- Participate as a member of the emergency medical services community in providing pre-hospital care, development, and education. Successfully pass the Texas State Department of Health Services registry examination for certification in the field of emergency medical

Advanced EMT / Paramedic Program Requirements:

Students holding current Texas or National Registry certification at the EMT-Basic level certification may be admitted according to space available EMT level may be admitted, according to space available each semester, in the Paramedic program. The AEMT/ Paramedic program accepts new each semester in either the Paramedic or Advanced EMT programs. Students holding Texas or National Registry certification at the Advanced students each Fall and Spring semesters. To be considered for admission to the EMS AEMT or Paramedic program, applicants must:

- Be admitted to ACC for the EMS program (through Office of Admissions & Academic Advising);
- Have no background or criminal history that would make the applicant ineligible to attempt the National Registry exam upon successful Complete an application in the EMS office, S-108 and provide copies of any current certifications;
- completion of the program. Note: Applicants convicted of a felony and/or misdemeanor offense may or may not be eligible to write the state attempt the NR exam.
- 4. 73 Be 18 years-of-age or older;
- Possess a high school diploma or GED:
- Pay the Texas Department of State Health Services registry application fees and all other associated fees:
- 7 6 Purchase appropriate clinical attire and equipment;

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- Purchase student liability insurance annually (subject to rate applicable at time of registration);
- Complete a physical examination which includes TB skin test and document required immunizations upon enrollment in the program;
- Have current CPR certification for healthcare professionals accredited by an education entity accepted by National Registry, dated within one year prior to the course starting date;
- Students must submit information and successfully pass a criminal background check.
- Students must successfully pass a 12 panel drug screen upon entering the EMS program.
- 3 13 Applicants to the ACC EMS program must complete an ACC Allied Health physical and immunizations as listed on the current ACC Allied Health Physical Form.
- All applicants must attend an ACC EMS program information session held once a month by contacting the ACC EMS Administrative Assistant at (281)756-5625 prior to being accepted into the program.
- 5 Any Advanced EMT student transferring into the ACC Paramedic program may apply if their NAEMT EMT Advanced Certification is within two years of the starting date of the paramedic class.
- Any Advanced EMT student transferring into the ACC Paramedic program may apply if they meet one of the following criteria:
- a) Their NREMT EMT Advanced Certification is within two years of the starting date of the paramedic class.
- b) Their NREMT Advanced Texas EMT Intermediate certificate is more than two years old but they have completed an Advanced EMT Refresher Course (taught through the ACC Continuing Education Department).

Student Accountability:

Once accepted into the AEMT/Paramedic program:

- Students are responsible for their transportation to and from the clinical facilities.
- Students will abide by the EMS curriculum requirements in effect at the time they are accepted into the program.
- All EMS courses must be completed with a grade of "B" or better to receive a Course Completion. Any grade below a "B" in any EMS class will be posted to the student's transcript but will result in a Course Completion NOT being issued.
- must complete within two years after initial acceptance. Students must complete the program within one year for EMT and Advanced EMT certifications after initial acceptance. Paramedic students
- Several Saturday departmental training and evaluation sessions are scheduled during the semester.

281-756-5610

Second Semester *Language, Philosophy & Culture or *Creative Arts *Social & Behavioral Sciences *ENGL 1301 *BIOL 2402	SECOND YEAR First Semester ***EMSP 2166 EMSP 2243 EMSP 2305 **BIOL 2401	Third Semester Mini 1 EMSP 2206 EMSP 2160 EMSP 2444 Mini 2 EMSP 2434 EMSP 2330 EMSP 2261	Second Semester EMSP 1166 EMSP 1261 EMSP 1355 EMSP 1356 EMSP 1338	FIRST YEAR First Semester EMSP 1160 EMSP 1501 HITT 1305	Associate of Applied Science Degree Program (A.A.S.) Course Number Course Number
Second Semester +Language, Philosophy & Culture or Select from Language, Philosophy & Culture Core Curriculum +Creative Arts +Social & Behavioral Sciences +ENGL 1301 +BIOL 2402	Practicum II - EMT Paramedic Assessment Based Management EMS Operations Anatomy and Physiology I	Emergency Pharmacology Clinical II - EMT Paramedic Cardiology Medical Emergencies Special Populations Clinical III - EMT Paramedic	Practicum I - EMT Paramedic Clinical I - EMT Paramedic Trauma Management Patient Assessment and Airway Management Introduction to Advanced Practice	Clinical - Emergency Medical Technician - Basic Emergency Medical Technician - Basic Medical Terminology	ee Program (A.A.S.) See Program (A.A.S.) See Course Title Course Title
culum or 3 llum 3 4 4	2 4	2 3 4 4 1 2	ω ω ω N →	014 8M3 104 8 5 04 16 013 3 3 3 10 10 10 10 10 10 10 10 10 10 10 10 10	Credits

* Denotes core requirement. Speak with Department Chair or Academic ** Capstone Course

Emergency Medical Technology Paramedic Certificate (CIP 51.0904) EMSP 1501 EMSP 1160 EMSP 1355 EMSP 1261 EMSP 2330 EMSP 2243 **EMSP 2166 **FIRST YEAR EMSP 1338** First Semester **EMSP 2160 EMSP 2305 EMSP 2206 EMSP 2444** Third Semester **EMSP 1166** EMSP 1356 Second Semester Course Number Second Semester EMSP 2261 **EMSP 2434** First Semester SECOND YEAR Emergency Medical Technician-Basic Clinical - Emergency Medical Technician-Basic Practicum I - EMT Paramedic Trauma Management Clinical I - EMT Paramedic Patient Assessment and Airway Management Introduction to Advanced Practice Course Title Medical Emergencies Clinical III - EMT Paramedic Clinical II - EMT Paramedic **EMS Operations** Emergency Pharmacology Cardiology Practicum II - EMT Paramedic Special Populations Assessment Based Management40 Credits - N W W W 4004 281-756-5610

First Semester	modsbieter teinen omentiese Awaren gritzen od discheren bischreiten de
	Clinical Emergency Medical Technician - Basic 5
EMSP 1501 Emer	Emergency Medical Technician - basic
Second Semester	
	Introduction to Advanced Practice 3
EMSP 1356 Patie	Patient Assessment and Airway Management 3
EMSP 1355 Traur	Trauma Management 3
EMSP 1261 Clinic	Clinical I - EMT Paramedic of the series at a series as a series of 2 the of
**EMSP 1166 Pract	Practicum I - EMT Paramedic
DAAC 205thana Dyn	DAAC 225/berg Dynamics of Group Courselly Edition 18

Emergency Medical Technician Advanced Certificate (CIP 51.0904)

281-756-5610

Rev: 05-30-16

Associate of Applied Science Degree Program (A.A.S.)

substance abuse counseling student will conduct intake, assessment, treatment planning, individual and group counseling, work with state probation and correction officials supervising offenders, and provide direct client care. Students who work with individuals who have co-occurring illnesses human services, mental health and addiction counseling under supervision until completion of licensure requirements. Under clinical supervision, the knowledge used in the field of chemical dependency counseling, mental health and mental retardation. This program prepares graduates to work in Purpose: The Associate of Applied Science Degree curriculum in Human Services-Substance Abuse Counseling provides theory, skills and (addiction and mental health) will consult and coordinate treatment with appropriate mental health professionals.

the student is eligible to be licensed as a Licensed Chemical Dependency Counselor in the State of Texas. examination. Passing this examination, meeting state ethical and legal requirements and completing additional hours of supervised clinical training After completing required courses and practicum the student will be eligible to take the LCDC (Licensed Chemical Dependency Counselor) licensure

Program requirements: In addition to general requirements for admission to the college, entry into Human Services-Substance Abuse Counseling requires an interview with the Human Service-Substance Abuse Counseling Department.

	Course Number	Course Title diverget Pagina england brangvbå ni etspilin	Credits
	FIRST YEAR		
	ter		2
		Pharmacology of Addiction	
			ω c
	or	Practicum Substance Abuse	c
		Coop Ed I - Psychiatric/Mental Health Services	
		Current Issues	N Campa seminar
	SCWK 1313	Introduction to Social Work	
	Second Semester		S
	DAAC 1305	Co-Occurring Disorders	a Comet Land
	DAAC 1309	Assesments of Substance-Related and Addictive Disorders	02 02 02 02 02 02 02 02 02 02 02 02 02 0
	DAAC 1311	Counseling Theories	FMSh 180
	DAAC 1380 or	Coop Ed I - Substance Abuse/Additiction Counselling	•
	PMHS 1381	Coop Ed II - Psychiatric/Mental Health Services	
	Elective	Select DAAC, PINITS of SCWA Elective	1000 000 000 000 000 000 000 000 000 00
	Summer Semesters		EMSP 1355
	DAAC 2354	Dynamics of Group Counseling	
	SECOND YEAR		
	First Semester		
	*ENGL 1301	Composition I (poletities)	ENSP State
	DAAC 2306	Substance Abuse Prevention	EMSP SXG0
	DAAC 2307	Addicted Family Intervention	o cocy years
	DAAC 1381 or	Coop Ed II-Substance Abuse/Addiction Counselling	CMOR YIMON
	PMHS 2380	Coop Ed III-Psychiatric/Mental Health Services	J.
	*DAAC 2341	Counseling Alcohol & Other Drug Addictions	SECOND AEVE
	Second Semester	=	
	*ENGL 1302	Composition II Select from Mathematics or	EWEb 556
	Life & Physical Science	e Curriculum	
	*Creative Arts or	Select from Creative Arts Core Curriculum	Second Samesian
	*Language, Philosophy & Culture	Select from Language, Philosophy & Culture Core Curriculum General Psychology	EMSP SS43 8
		Practicum II - EMT Parametic	ENSP STOR
2	redits Required for A.A.S. Human Sen	al Credits Required for A.A.S. Human Service-Substance Abuse Counseling	60
		The state of the s	

+ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection. Total Credits Required for A.A.S. Huffian Service

Capstone Course

Human Services - Substance Abuse Counseling Certificate (CIP 51.1501) 281-756-3652

Licensed Chemical Dependency Counselor (LCDC) by the Texas Department of State Health Services. Purpose: The one-year program prepares the student to meet the foundation educational and practicum requirements for licensure eligibility as

Program Requirements: In addition to the general requirements for admission to the college, entry into Human Services-Substance Abuse Counseling Program requires a personal interview with the Human Services-Substance Abuse Counseling Department Chairman.

DETIC 1455 - Machina Design DETIC 3423 - Pipe Drafting DETIC 3425 - Medianical Drafting DETIC 1455 - Medianical Drafting DETIC 1455 - Medianical Drafting DETIC 1455 - Medianical Drafting		Total Credits Required for Human Su*Capstone Course	PMHS 1381	DAAC 2307	DAAC 1391	DAAC 2343 DAAC 1305	*DAAC 2341	Second Semester	PMHS 1380	DAAC 1364 or	DAAC 2354	DAAC 1311	DAAC 1309	DAAC 1304	SCWK 1313	First Semester	Course Number
		Total Credits Required for Human Service-Substance Abuse Counseling Certificate *Capstone Course	Coopertive Ed II - Psychiatric/Mental Health Services Technician	Addicted Family Intervention Coopertive Ed I - Substance Abuse/Addiction Counseling	Special Topics in Psychiatric/Mental Health Services	Current Issues Co-Occurring Disorders	Counseling Alcohol and Other Drug Addictions	Rasic Combination of President and Pulse Committee of the President President and Pulse Committee of the President and Pulse of the President and President and Pulse of the President and P	Coopertive Ed I - Psychiatric/Mental Health Services	Practicum Substance Abuse Counseling		Counseling Theories	Assessment of Substance-Related and Addictive Disorders	Pharmacology of Addiction	Introduction to Social Work		Course Title edom anapar magorq (goldanbell npiest) kal
		EMIC 1423 * DELG Sbecialisation	Cian PAG AND ARVE DAG 1 policy	ယ ယ	3/15/0770	SHOUTHER SHOWER	25CH 2330			3 E) HTAM*	Social with State of the sections		3.001.1909	रका 3 लाव है स्थान	3.244		aubni art to am Credits percetops8 matgot9 agricusmetisto jetike privatio isaaribut jastelni

2016-17 Rev: 05-30-16

Associate of Applied Science Degree Program (A.A.S.) – Articulated Credit

Purpose: The ACC Industrial Design Technology program provides extensive hands-on training. Courses within the program includes basic principles of engineering drafting and design and advanced specialized training in piping and mechanical design. Students may choose a general Industrial Design Technology degree to study the various disciplines that ACC has to offer. Also available are specialization degrees in Industrial Design Technology for piping and mechanical design. This well-rounded education provides students with many opportunities and the necessary qualifications as entry-level designers

interest, technical drawing skills, craftsmanship, computing skills, self-discipline, and conceptual vision. Program Requirements: Students of the Industrial Design Technology program require problem solving and critical thinking, manual dexterity, artistic

Course Number	Course little	Credits
FIRST YEAR		
First Semester		
POFI 1204	Computer Fundamentals	2
*Creative Arts or	Select from Creative Arts Core Curriculum	ω
*Language, Philosophy & Culture *Social & Behavioral Sciences	Select from Social & Rehavioral Sciences Core Curriculum	DAAC STANK
+ MATH 1314	College Alpehra	ω c
Second Semester	Congenius Ed I - Psychiatria Mental Haatin Services	086
DFTG 1409	Basic Computer-Aided Drafting	4
TECM 1317	Technical Trigonometry	ω
*SPCH 1315 or SPCH 1318, or	Public Speaking or Interpersonal Communication or	ယ
+ENGL 1301	Composition I	\$\$ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Summer Semesters		
© DFTG 2419	Intermediate Computer-Aided Drafting	3 78E 40AAA
DFTG 1405	Technical Drafting	105.4 3.40
^ DFTG Specialization or	Select from Mechanical, Piping, or General Specialization or	4 2000
DFTG 2481	Cooperative Education-Drafting	
SECOND YEAR		
First Semester		
DFTG Specialization	Select from Mechanical, Piping, or General Specialization	8
ENTC 1423	Strength of Materials	3 92400 enok
Second Semester		
*DFTG Specialization or DFTG 2481	Select from Mechanical, Piping, or General Specialization or Cooperative Education-Drafting	4
^ DFTG Specialization	Select from Mechanical, Piping, or General Specialization	4
DFTG 2440	Solid Modeling and Design	4
Total Credits Required for Industrial Design Technology Degree	nology Degree	60
T.NGT 1507		

A Students must complete 20 credit hours in either the Mechanical, Piping, or General areas of specialization

7170	DFTG 1455 - Parametric Modeling & Design	Mechanical Specialization

**DFTG 2450 - Geometric Dimensioning & Tolerancing DFTG 2406 - Machine Design DFTG 1433 - Mechanical Drafting

DFTG 2435 - Advanced Technologies in Mechanical Drafting & Design

Piping Specialization

DFTG 2423 - Pipe Drafting DFTG 2457 - Advanced Tech Pipe Design & Drafting

ARCE 1452 - Structural Drafting
**DFTG 2445 - Advanced Pipe Drafting
DFTG 2430 - Civil Drafting

General Specialization

DFTG 2423 - Pipe Drafting

**DFTG 2445 - Advanced Pipe Drafting

DFTG 1433 - Mechanical Drafting

1455 - Parametric Modeling & Design

* Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection

Industrial Design Technology Certificate (CIP 15.1301)

281-756-3784

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Total Credits Required for Industrial Design Technology Certificate	Second Semester ^DFTG Specialization or Select from Mechanical, Piping or General Specialization or DFTG 2481 Cooperative Education-Drafting DFTG 2440 Solid Modeling and Design	First Semester DFTG 2419 Intermediate Computer-Aided Drafting DFTG 1405 Technical Drafting *DFTG Specialization Select from Mechanical, Piping or General Specialization	Summer Semester POFI 1204 Computer Fundamentals DFTG 1409 *ADETIG Specialization or Select from Mechanical, Piping or General Specialization or DFTG 2481 Cooperative Education-Drafting	Course Number Course Title per lo groots anished multipristo companyon
	cialization or 4	4 4 38 4 38 4 38 4 38 38 4	2 significant of 4 sign	Credits Credits

Mechanical Specialization DFTG 1455 - Parametric Modeling & Design DFTG 1433 - Mechanical Drafting **DFTG 2406 - Machine Design	[^] Students must complete 12 credit hours in either
Piping Specialization DFTG 2457 - Advanced Tech Pipe Design & Drafting DFTG 2423 - Pipe Drafting **DFTG 2445 - Advanced Pipe Drafting	[^] Students must complete 12 credit hours in either the Mechanical, Piping, or General areas of specialization
General Specialization DFTG 2423 - Pipe Drafting **DFTG 1433 - Mechanical Drafting DFTG 1455 - Parametric Modeling & Design	

Industrial Design Technology Certificate

281-756-3812

Purpose: The management development program prepares individuals for career occupations in the field of general management development. The objective of the program is to develop management skills and allow the student a chance to utilize these skills at an approved work station.

Program Requirements: The management development curriculum contains a core of required courses including nine (9) management/human resources courses, three semesters of cooperative education, general education courses, and a recommended list of electives. Must contact Department Chair prior to registering for Cooperative Education courses.

(This degree may be attained completely on-line)

Contract and the second		Alfonso Cura in the contract of the contract o
Course Number	Course Title prilling-noticeable entimedood	Credits
FIRST YEAR		
First Semester	Sebrical Displication of the Manual Committee of the Comm	201-07-07
BMGT 1327	Principles of Management	The phecialization
* HIST 1301	The United States History I	reseemed brigged
BMGT 2303	Problem Solving & Decision Making	DETC SAME
*ENGL 1301	Composition I	D. Setto
Second Semester HRPO 1311	Human Relations	isitieubni toi beniupeg ziii
BMGT 1382	Cooperative Education - Business Administration & Management, General	General I 3
* MATH 1314 or	College Algebra	Supplied of Capital Hotel
MATH 1333	Contemporary Mathematics for Tech	
MRKG 1311	Principles of Marketing	
Summer Semester BMGT 1305	Communications in Management	ergreed enviously - c
BUSG 2309	Small Business Management	ယ
SECOND YEAR First Semester * Creative Arts or	Select from Creative Arts Core Curriculum	w 88
+Language, Philosophy & Culture	Select from Language, Philosophy & Culture Core Curriculum	
BMGT 2382	Cooperative Education - Business Administration & Management, General II	
* Government/Political Science	Select from Government/Political Science Core Curriculum	ယ
** POFI 1301 or	Computer Applications I	ယ
** BCIS 1305	Business Computer Applications	
Second Semester		
* SOCI 1301	Introduction to Sociology	Carrier Special Zatio
HRPO 2301	Human Resources Management	ယ
* MRKG 1391	Special Topics in Marketing and Marketing Management	DFTG 1433 - Mechanical 3
BMGT 2383	Cooperative Education-Business Administration & Management, General III	General III 3
Summer Semester HRPO 1391	Special Topics in Human Resource Management	w
MBKC 23/10	Advertising & Sales Promotions	•

⁺ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

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^{*} Capstone Course

^{**} Students planning to transfer to a four year university need to take BCIS 1305 and MATH 1314

Articulated Credit

work station. Purpose: The one-year Certificate in Management Development prepares the student for full-time employment in the field of management The basic objective of the program is to develop management skills and allow the student a chance to utilize these skills at an approved

semester. In the second semester, the certificate student takes another cooperative education, and twelve hours of management/human Program Requirement: A certificate student takes 12 hours of management courses and 3 hours of cooperative education in the first resources and marketing courses. Must contact Department Chair prior to registering for Cooperative Education courses.

(This degree may be attained completely on-line.)

Course Number	Course Title Conserved to the Service of the Servic	Credits Selection
First Semester		
BMGT 1327	Principles of Management	ed vita emus tota
BMGT 1382	Cooperative Education - Business Administration & Management, General I	Sold Svitsgon A
BMGT 2303	Problem Solving & Decision Making	0.00 co.00
MRKG 1311	Principles of Marketing	ယ
Second Semester		
HRPO 1311	Human Relations	ယ
BUSG 2309	Small Business Management	Seeociales legis
*MRKG 1391	Special Topics in Marketing and Marketing Management of the Marketing and Marketing Management of the Marketing and Marketing Management of the Management of the Marketing Management of the Manage	သ
BMGT 2382	Cooperative Education - Business Administration & Management, General II	altaora siboruela
Summer Semester		
** POFI 1301 or	Computer Applications I	ယ
**BCIS 1305	Business Computer Applications	
nbs HRPO 2301nii 8fi is	Human Resource Management	nebu3 TON edit

Management Certificate

*Capstone Course

^{*}Students planning to transfer to a four-year university need to take BCIS 1305.

Neurodiagnostic Technology

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

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Purpose: Neurodiagnostic Technology is an allied health specialty for recording electrical activity arising from the brain, spinal cord, peripheral nerves, somatosensory or motor nerve systems using a variety of techniques and instruments. The NDT technologist works with patients of all ages in a variety of settings including: hospitals, out-patient clinics physician offices, epilepsy monitoring units, operating rooms and

The Neurodiagnostic Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the committee on Accreditation for Education in Neurodiagnostic Technology (www.coa-ndt.org).

Admission Requirements:

To be considered for admission to the Neurodiagnostic Technology program, the applicant must:

- Make application to Alvin Community College and fulfill the admission requirements
- Make application to the Neurodiagnostic Technology program by July 1st.
- Submit official transcripts from other colleges attended with application.
- d. Complete physical examination form which includes TB skin test and immunizations upon acceptance to the program.
- Φ. Not currently be on suspension or academic probation.

CPR certification will be taught in HPRS 1304.

A negative background check and a negative drug screen are required as a condition of full acceptance into the program.

Personal health insurance is required (Student Health Insurance is available through ACC. Insurance form is available in S108.)

Advanced Standing

- Advanced standing applies to those Electroneurodiagnostics personnel who have work experience and have not completed the associate degree program.
- Electroneurodiagnostics professional with at least two (2) years full-time experience in the field will have the opportunity to challenge Neurodiagnostic Technology courses.
- These courses must be challenged in sequence unless permission is otherwise granted

Progression Policy

- The NDT students will abide by the admission and curriculum requirements of the NDT Department at the time they are admitted or re-admitted to the program.
- and degree plan, or must have the approval of the Program Director. Once a student has enrolled in the NDT Program, all NDT courses must be completed in the proper sequence as shown in the catalog
- No grade below a C in a NDT or academic course will be acceptable.
- A student will be terminated from the program if clinical performance is unsatisfactory as determined by the Clinical Instructor and the Program Director. This action may be taken at any time during the semester or at the end of the semester.

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- In the event a student is asked to leave a clinical affiliate, and not return, the student may not continue progressive courses utilizing that facility. If the clinical affiliate is utilized in future courses, the student will be terminated from the program.
- D or F is recorded on the transcript. Only two (2) attempts in any science/math or any NDT course will be permitted. An attempt is defined as a course in which a grade of
- A student requiring hospitalization, or sustaining an injury will be required to obtain a written statement from his/her physician verifying that the health status of the student is adequate for performance in the clinical agency. A student my not be allowed to return to the clinical area if he/she must be on medications which may interfere with his/her ability to perform satisfactorily.
- A student who is pregnant must present a physician's statement giving evidence of her ability to perform the required work
- Students must complete the program within four (4) years after initial acceptance.

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Course Number	Course Title has be yet as a palar among and a record	Credits
Pre-requisite Courses	seinend of all ages in a variety of settings including: hospitals, ou I paliends of all ages in a variety of settings including: hospitals, ou	
*BIOL 2401	Anatomy & Physiology I	moon 4 tilsaeqo, stimu princiimom
*BIOL 2402	Anatomy & Physiology II	4
*ENGL 1301	Composition I sphystalagic Manibring (ONM) certificate prog	ω.
*Mathematics	Select from Mathematics Core Curriculum	noiesimbs not benebiance ed of
First Semester (Fall)		
ENDT 1345	Applied Electronics and Instrumentation	.c. Make application to 18 Mer.
ENDT 1350	Electroencephalographybell baseler-tised a	c. Hold an Associate Digutes in
HPRS 1304	Basic Health Profession Skills 10 68W 697060 8 Ods 5 67W 37	at atagoanari Islamo Imdueb
ENDT 1310	Neuroanatomy & Physiology To Tron & Burney Barrell Barrell	oil ett3: etsingorgqs fimdu2 .e
Second Semester (Spring)		
ENDT 2320	Electroneurodiagnostic Tech I	g. Not d'irrentity de on se spone
ENDT 1463	Clinical I - Electroneurodiagnostic Technology	Tourest CPK certific 4 of
PSYC 2314 19 9ft of the sonsider	Life-Span Growth and Development	isno kayongxoso syttspan A
*SPCH 1318	Interpersonal Communications	Sensons Health May 1
*Creative Arts or	Select from Creative Arts or	ω
Language, Philosophy & Culture	Select from Language, Philosophy & Culture Core Curriculum	
Third Semester (Summer)		
ENDT 2215	Nerve Conduction Studies Sent and Sent Sent Sent Sent Sent Sent Sent Sent	2 BACH TOME
ENDT 2425	Electroneurodiagnostic Tech II	EMD1 1380 P
ENDT 2463	Clinical II - Electroneurodiagnostic Technology	5 4 Stramed prince
Fourth Semester (Fall)		
ENDT 2210	Evoked Potentials	2
*ENDT 2661	Clinical III - Electroencephalography	6
Total Credits Required for A.A.S. Neurodiagnostic Technology Degree	gnostic Technology Degree	EADL SASS 09 5
† Denotes core requirement Speak with I	† Denotes core requirement. Speak with Denartment Chair or Academic Advisor for proper course selection	
*Capstone Course		

^{*} Caps

Purpose: Neurodiagnostic Technology is an allied health specialty for recording electrical activity arising from the brain, spinal cord, peripheral nerves, somatosensory or motor nerve systems using a variety of techniques and instruments. The NDT technologist works with patients of all ages in a variety of settings including: hospitals, out-patient clinics physician offices, epilepsy

monitoring units, operating rooms and research facilities.

Admission Requirements:

To be considered for admission to the Neurodiagnostic Technology program, the applicant must: Make application to Alvin Community College and fulfill the admission requirements.

- Make application to the Neurodiagnostic Technology program by July 1st.
- Hold an Associate Degree in a health-related field.
- Submit official transcripts from where above degree was granted. Complete physical examination and immunization form which includes TB skin test and immunizations upon acceptance into the Submit appropriate state licensure and/or credentials from one of the disciplines in (c) above.
- Neurodiagnostic Technology Advanced Technical Certificate

 - Not currently be on suspension or academic probation.
 - 9 Current CPR certification - AHA Health Care Provider.

 - Personal Health insurance is required (Insurance form is available in S108) A negative background check and negative drug screen are required as a condition of full acceptance into the program.

Fall Semester ENDT 2210 *ENDT 2661	Summer Semester ENDT 2215 ENDT 2425 ENDT 2463	Spring Semester ENDT 1463 ENDT 2320 ENDT 1310	Fall Semester ENDT 1345 ENDT 1350	Course Number
Evoked Potentials Clinical III - Electroencephalography	Nerve Conduction Studies Electroneurodiagnostic Tech II Clinical II - Electoneurodiagnostic Technology	Clinical I - Electroneurodiagnostic Technology Electroneurodiagnostic Tech I Neuroanatomy & Physiology	Applied Electronics and Instrumentation Electroencephalography	Course Title
.34	4 4	. www.	3 3 C	Credits

Total Credits Required for A.T.C. Neurodiagnostic Technology Certificate

* Capstone Course

Intraoperative Neurophysiologic Monitoring Certificate

Purpose: Intraoperative Neurophysiologic Monitoring (IONM) is an allied health specialty for recording electrical activity arising from the brain, spinal cord, peripheral nerves, somatosensory, or motor nerve systems during various surgeries using a variety of techniques and instruments. The IONM technologist works with patients of all ages in the surgical setting of the hospitals.

Program/Admission Requirements:

To be considered for admission to the Intraoperative Neurophysiologic Monitoring (IONM) certificate program, the applicant must:

- Make application to Alvin Community College and fulfill the admission requirements.
- Make application to the Intraoperative Neurophysiologic Monitoring (IONM) certificate program by December 1st.
- Hold a registry in Electroencephalography (EEG) or Evoked Potentials (EP) or an Associate Degree.
- d. Submit official transcripts from where above degree was granted.
- Submit appropriate registry credentials from one of the disciplines in (C) above.
- f. Complete a physical examination and immunization upon acceptance..
- Not currently be on suspension or academic probation.
- h. Possess a current CPR certification AHA Health Care Provider.
- certificate program. Agree to a background check conducted as a condition of full acceptance in the Intraoperative Neurophysiologic Monitoring (IONM)
- Have completed BIOL 2401 with a grade no lower than a C prior to admission and must have completed the course within the last 5 years.

Third Semester (Fall) *IONM 2570 ENDT 1345 ENDT 1350	ENDT 2215	Second Semester (Summer) IONM 1270 IONM 1572 IONM 2270 CI	First Semester (Spring) IONM 1570 ENDT 1310 ENDT 2210	Prerequisite BIOL 2401	Course Number
Clinical II - IONM Applied Electronics & Instrumentation Electroencephalography	Nerve Conduction Studies	mer) Modalities for Spine Surgery Clinical I - IONM Modalities in Specialty Procedures	Intro to IONM Topics Neuroanatomy Physiology Evoked Potentials	Anatomy & Physiology I	Course Title
ATTO (\$) WHI INSULTED THE PROPERTY OF A MICHAEL STATE OF A MICHAEL STATE OF A MICHAEL STATE A	2 0 90	N 01 N	Νωσ		Credits

Total Credits Required for Intraoperative Neurophysiologic Monitoring Certificate......

^{*} Capstone Course

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The program seeks to prepare graduates who are critical thinkers and competent practitioners. As Associate Degree Nursing (ADN) graduates, they will practice within the defined roles and competencies of the Associate Degree nurse. In response to community and societal effectiveness toward successful fulfillment of state board competencies. needs, they will be prepared to care for individuals and families in structured settings. Courses are presented according to their content and

At the successful completion of a minimum of two (2) academic years and all program requirements, the graduate is qualified to make application to write the National Council Licensure Exam for Registered Nurses (NCLEX-RN).

nurse in the State of Texas is competent to practice safely. The ACEN is recognized by the U.S. Department of Education as the national accrediting (ACEN). The mission of the BON is to protect and promote the welfare of the people of Texas by ensuring that each person holding a license as a The program is approved by the Texas Board of Nursing (BON) and accredited by the Accreditation Commission for Education in Nursing, Inc. body for all types of nursing education programs.

333 Guadalupe #3-460 512-305-7400 Texas Board of Nursing (BON) www.bon.state.tx.us

> Atlanta, GA 30326 3343 Peachtree Road NE, Suite 850 ACEN

404-975-5000 www.acenursing.org

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for admission to the ADN Program. illness, or has a history of substance abuse, should contact the Texas Board of Nursing for licensure eligibility criteria. Individuals with felonies are ineligible A person who has been convicted of or received deferred adjudication for anything other than a minor traffic violation, has been diagnosed with mental

to space available. A new class begins each fall and spring semester. Applications are available at www.alvincollege.edu/adn during the application period. Application periods are typically in March and September. Refer to the website for the specific dates of each application period. Qualified applicants are admitted according To be considered for admission to the Associate Degree Nursing (ADN) Program, the applicant must:

Be fully admitted to Alvin Community College.

Nursing

- Submit an ADN application to the ADN department during the application period
- Submit, by the application deadline, proof to the ADN department of having met the following minimum admission standards:
- HESI A2 test score of 75 or higher on the cumulative and a 75 or higher on the Reading section. The following HESI A2 sections must be taken. Math, Reading Comprehension, Vocabulary and General Knowledge, Grammar, and Anatomy and Physiology. Section scores may be combined applicants may repeat individual HESI-A2 sections. For any two HESI sections repeated less than 30 days apart, the earlier section score is from more than one HESI A2 test. All HESI A2 section scores must be less than or equal to 5 years old as of the ADN application deadline. ADN more days apart, the highest section score is counted counted and the latter section score is not used, regardless of which section score is the highest. For any two HESI A2 sections repeated 30 or
- have the official score report sent to the ADN department.) department if the HESI A2 is taken at Alvin Community College. If the HESI A2 is taken elsewhere, the applicant must pay a fee to Elsevier to (The ADN department does not accept HESI A2 score reports from students. HESI A2 score reports are automatically available to the ADN
- 0 transfer institution's TSI requirements if not enrolled at ACC TSI (Texas Success Initiative) requirement satisfied as determined by ACC's testing and placement policies. Transfer students must meet the
- Cumulative GPA of 2.5 or better in nursing and nursing curriculum courses.
- 0.0 Receipt of at least two (2) of the three (3) immunizations for Hepatitis B or proof of Hepatitis-B immunity by application deadline. The series of three
- (3) immunizations must be completed by the start date of the program
- Attend one of the mandatory ADN Applicant meetings discussing specific program policies and requirements held during the application period.
- 4. 70 Submit to the ACC Registrar's office official transcripts from all colleges/universities attended. No academic course with a grade below C is sciences, humanities, and visual/performing arts. Do not submit college transcripts to the nursing office. Have completed or be in-progress in taking the prerequisite courses of BIOL 2401, BIOL 2402, PSYC 2301, and ENGL 1301 accepted for transfer credit in the ADN program. Academic courses include composition/written communication, social/behavioral/biological
- 76 Students are ineligible for admission if at the time of application transcripts reflect more than one (1) D or F in a nursing or nursing curriculum science course (BIOL 2401, 2402, and 2420) taken within five years of the application deadline. The student is ineligible even if the course is repeated and the student earns an A, B, or C in the subsequent attempt.
- ∞ previously enrolled in a health occupation program. A student is ineligible for admission to the ACC nursing program if he/she has been dismissed for unprofessional or unethical conduct while

in the ADN curriculum, the GPA of those courses, and HESI A2 test scores. Priority admission is given to applicants who: 1) achieved high standardized test scores (HESI A2); 2) earned a high GPA in the ADN curriculum academic coursework; 3) completed, or are in progress in, BIOL 2420. Additional consideration is given to applicants who: 1) complete ADN curriculum courses without repeating or withdrawing from courses in the last five years from Admission to the ADN program is competitive. After the application deadline, applicants are ranked primarily according to the number of completed courses

4) reside in the ACC tax district. the application deadline; 2) complete ADN curriculum courses at ACC; 3) hold a Bachelor's or higher degree from an accredited college or university; and

Program information:

- for information about the examination. application deadline must be repeated or the student may demonstrate competency through a written examination. Contact the Testing Center BIOL 2401, 2402, and 2420 must be taken within five years of application deadline. BIOL courses completed more than five years prior to the
- 2 Requirements to be completed after initial acceptance and before the start of the program include:
- Complete the prerequisite courses of BIOL 2401, BIOL 2402, PSYC 2301, and ENGL 1301.
- Complete two criminal background checks. A social security number is required and will be verified during the background checks. The first is DPS/FBI background check that the Texas Board of Nursing requires on all accepted nursing students. The second background check is done eligible to be considered for admission if: background check procedures. Individuals with felonies are ineligible for admission. A person with a criminal history other than a felony may be BON and clinical affiliates is required for final admission into the ADN program. See ADN application packet for further information about BON by a private firm and is required by clinical affiliates. A satisfactory criminal background check as determined by the requirements of the Texas
- declaratory order. And, apply to take the licensure examination. The BON website, www.bon.state.tx.us, contains eligibility questions and the petition for the The Texas Board of Nursing indicates in a letter that a petition for "Declaratory Order" (D.O.) was received and the individual is eligible to
- The ADN clinical affiliates permit the person to practice in their agency.
- C CPR Certification from American Heart Association: Basic Life Support (BLS) for Health Care Providers
- 0 Physical examination. Form provided by the department.
- 0 Up-to-date immunizations as required by the Texas Department of Health and Clinical Affiliates. (measles, mumps, rubella, tetanus, diphtheria, pertussis, varicella, hepatitis "B" series of 3 immunizations, seasonal flu; positive titers are required for rubella, varicella and hepatitis B)
- Negative tuberculin screen. (yearly)
- Negative drug test.
- Purchase of a school uniform and lab supplies.
- nursing information and use of electronic health record documentation when the student is at clinical sites. Purchase of an i-Pad, Kindle Fire, or tablet if the student does not have one already. The device enables access to medical and
- Each student is required to pay for standardized, computerized tests that are administered throughout the program.
- weekend and evening hours. Students attend various clinical sites in the Houston/Galveston region throughout the program. Clinical times/days vary each semester and include
- listed in the Evaluation of Credit from Foreign Institutions section of the College Catalog. The ADN department will use the evaluation company's report Admissions Office by the nursing application deadline. when assessing the applicant's foreign credits and grades. The applicant must submit the original evaluation report to either the ADN department or the Applicants with credits from institutions outside the United States must have their foreign transcripts evaluated by one of the approved companies

Transfer of Nursing Credits:

- Courses accepted for transfer must be similar in content and credit to the ACC course(s).
- No grade below a "B" in any nursing course is accepted for transfer.
- more than three (3) years prior to the time of application. Students must demonstrate competency through an examination in nursing content for courses without a clinical component that were completed
- clinical component(s), are considered for admission on a space available basis. Applicants must: Transfer applicants who, in the last 3 years, were enrolled in a professional nursing program and attempted/completed nursing course(s) with
- Apply and meet the criteria for admission to the ADN program at ACC during an application period.
- Have a written recommendation from the Dean/Director of their previous nursing program.
- Demonstrate competency in previously completed nursing courses prior to admission through a written examination and a clinical the department for test dates. skills competency demonstration. The tests will be administered once per semester and evaluated by a faculty review committee. Contact

Progression / Dismissal Policies:

- Students will abide by the current ADN admission, curriculum and program requirements at the time they are admitted to the Associate Degree Nursing
- catalog and degree plan. The program must be completed within five (5) years of the initial acceptance Once a student has enrolled in the ADN Program, all nursing courses and related courses must be completed in proper sequence as shown in the
- No grade below a C in nursing curriculum science and nursing courses will be acceptable for progression.
- w 4. In order to receive a grade of C, a minimum grade of 75% must be attained in each nursing course

- Once enrolled in the ADN program, it is expected that enrollment is continuous. Students with a break in enrollment must apply for readmission. A break in enrollment includes: 1) Receipt of a grade of D, F, or W in a nursing course requiring a repeat of the course, 2) Withdrawal from a nursing course with a clinical component, and/or 3) Non-enrollment in a nursing course for one (1) or more semesters (excluding summer).
- A student who withdraws from a nursing course with a related clinical component must withdraw from the corresponding course.
- 7 6 be completed with a minimum grade of C in order to progress course. The student must, if eligible, re-enroll in both the theory and clinical sections of that course. Each semester's co-requisite RNSG courses must A student who receives a grade of D or F in a nursing course with a related clinical component will be assigned the grade of "R" in the corresponding
- 9 00 A student must achieve an overall GPA of 2.0 in all courses in the nursing curriculum in order to progress to the next nursing course.
- which have been repeated and a passing grade (A, B or C) received in a subsequent attempt, regardless of the college or university where the initial grade (D or F) was received. The student is ineligible even if the course is repeated and the student earns an A, B, or C in the subsequent attempt. A student currently enrolled in the second year of the program who receives more than one D, F, or W in a single semester is eligible to be considered A student will be terminated from the ADN Program if he/she has received more than one (1) D or F in a nursing course. This includes courses for readmission if he/she has not posted a previous D, F, or W.
- 10. Co-Requisite courses must be completed for a student to progress to the next semester.
- 1 Code 215.8. When dismissed, an "F" will be assigned to the RNSG course where the behavior occurred. A "W" will be assigned to any other RNSG A student may be dismissed from the program for demonstration of unprofessional and unsafe behaviors as described in the Texas Administrative
- 12 behavior occurred. A "W" will be assigned to any other RNSG courses taken concurrently A student may be dismissed from the program for academic dishonesty. When dismissed, an "F" will be assigned to the RNSG course where the
- 13 Notification by the BON that a student has been involved in criminal activity may result in temporary withdrawal or termination from the ADN program

Readmission: Students may be readmitted to the ADN Program ONCE after withdrawal or failure of a course.

- Once enrolled in the ADN program, a students who receives a D, F, or W in a nursing course or drops a nursing course, must, if eligible apply
- from illness. Inability to meet the readmission stipulations may be grounds for denial or permanent dismissal from the program. These requirements may include remediation in academic course work, repeat of nursing course(s) previously taken, or documentation of recovery Students are readmitted on a space available basis, and on the student's compliance with conditions/requirements established by the Director.
- S to improve chances for successful completion. Students applying for readmission must apply in writing to the Director at least 14 days prior to the semester in which readmission is desired. Include the following information: Date of withdrawal from the Program; primary reason(s) for withdrawal from the Program; understanding of the requirements for readmission at the time of withdrawal; ways in which recommendations at the time of withdrawal have been completed; and what has been done
- 4 with that applicant pool. A student who has withdrawn from the ADN program during the first semester must reapply during the program application period and be ranked
- 5 examination and a clinical skills competency demonstration. Tests will be administered once per semester and evaluated by a faculty review Evidence of competency in previously completed nursing courses will be required prior to readmission. This will be accomplished through an committee. Contact the Director for test dates.
- 6 Re-entering students must abide by the current admission, curriculum and program requirements of the department.
- 7. occurs because of a catastrophic event. The student must have had a passing grade in the RNSG course at the time of withdrawal. Petition will be Following a second (2nd) withdrawal from the program, a student will not be readmitted. Students may petition for re-admission when a withdrawal considered by a faculty review committee.
- 00 and/or unprofessional behavior. The decision to deny or accept readmission will be made by a faculty review committee. department reserves the right to deny readmission to a student who discontinued the program due to academic dishonesty or exhibited unsafe
- 9 Students who are unsuccessful in a professional nursing program and subsequently complete a vocational nursing program are eligible to apply to nursing program are eliminated for these students the LVN-ADN Transition track. Eligibility penalties for the "D's, F's or W's" earned in nursing courses while previously enrolled in the professional
- 10. All courses must be completed within five (5) years of original enrollment date into the ADN program
- = Students re-entering the program following the curriculum change that was implemented Fall 2015 will be required to follow the new curriculum.

The following courses have been adopted by the THECB as a Field of Study Curriculum in Nursing: BIOL 2401, BIOL 2402, BIOL 2420, PSYC 2301, and PSYC 2314.

On Minimhau		Cradite
Prerequisites	COURSE THE	Credits
* + BIOL 2401	Anatomy & Physiology I	4
^ + BIOL 2402	Anatomy & Physiology II	4
*ENGL 1301 of goldscook besimbs	Composition is bentised they toke sout at niged life assis were A	သ
^ + PSYC 2301	General Psychology	3
First Semester		
** + PSYC 2314	Life-Span Growth & Development	and 3 earsoll a blo
RNSG 1219	Integrated Nursing Skills I	2
RNSG 1260	Clinical I RN Composite as agrided state of the Research of th	2
RNSG 1523	Introduction to Professional Nursing for Integrated Programs	5
Second Semester	Contage parote gue sigu of gre unagua a londieur	
** * BIOL 2420	Microbiology for Non-Science Majors	0 5 4 1 1 1 5 5 5 6
RNSG 2504	Integrated Care of the Patient with Common Health Care Needs	5
RNSG 1129	Integrated Nursing Skills II	
RNSG 1461	Clinical II RN	000 4 med 01 QN
Third Semester		
RNSG 2514	Integrated Care of the Patient with Complex Health Care Needs	5 MCA sielq
RNSG 2462	Clinical III RN	a svs4 (T. bas John
** + Creative Arts or	Select from Creative Arts Core Curriculum	ω
· Language, Philosophy & Culture	Select from Language, Philiosophy & Culture Core Cumculum	
Fourth Semester RNSG 2435	Integrated Patient Care Management	1061 1301 * EMGL 1301
* RNSG 2463	Clinical IV RN	4
otal Credits Required for A.A.S. Nursing	Australia September 1 - Austra	60

^{*}Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

Mursing

- Priority admission for applicants who:

 1) achieved high standardized test scores,
 2) earned a high grade point average in the ADN curriculum academic coursework, and
 3) completed or are in progress in BIOL 2420.

^{*} Capstone Course
A Field of Study Curriculum course.
** May be taken prior to admission to the ADN program.

Nursing Transition (LVN-to-ADN) (CIP 51.3801)

281-756-5630

Associate of Applied Science Degree Program (A.A.S.)

seeks to prepare graduates who are critical thinkers and competent practitioners. As Associate Degree Nursing graduates, they will practice within Purpose: The transition program is to provide a pathway from Licensed Vocational Nurse (LVN) to Associate Degree Nursing (ADN). The program for individuals and families in structured settings. Courses are presented according to their content and effectiveness toward successful fulfillment the defined roles and competencies of the Associate Degree nurse. In response to community and societal needs, they will be prepared to care

Upon successful completion of the program, the graduate is eligible to make application to write the National Council Licensure Examination for Registered Nurses (NCLEX-RN)

Program Requirements: A new class will begin in June each year. Qualified applicants will be admitted according to space available. considered for admission to the Transition pathway of the Associate Degree Nursing Program, the applicant must: To be

- Apply to Alvin Community College and fulfill the admission requirements of the college
- Apply to the ADN Program during an application period and meet admission and program requirements for that program.
- Hold a license to practice vocational nursing in the State of Texas by the nursing application deadline, or be scheduled to graduate from the ACC/VN program.
- Have recent work experience, preferably in an acute care setting, as a licensed vocational nurse, or a. scheduled to graduate from the ACC/VN program.
- b. graduated within one year from a state approved vocational nursing program.
- Complete prerequisite courses before the start of the nursing program.
- Have a cumulative GPA of 2.5 or better in nursing and nursing curriculum courses.

coursework; 3) complete ADN curriculum courses without repeating or withdrawing from courses in the last five years from the application deadline; 4) complete ADN curriculum courses at ACC; 5) hold a Bachelor's or higher degree from an accredited college or university; 6) reside in the ACC Selection for Admission: Admission to the LVN-to-ADN program is competitive. After the application deadline, applicants are ranked primarily according to the number of completed courses in the ADN curriculum, the GPA of those courses, and HESI A2 test scores. Priority admission is given to applicants who: 1) achieved high standardized test scores (HESI A2); 2) earned a high grade point average in the ADN curriculum academic tax district; and, 7) have acute-care work experience.

Course Number	Course Title	Credits
Prerequisites		
+ ENGL 1301 + PSYC 2301	Composition I General Psychology	ယယ
* PSYC 2314	Life-Span Growth & Development	္သ
* BIOL 2401 * BIOL 2402	Anatomy & Physiology I Anatomy & Physiology II	4 4
BIOL 2420	Microbiology for Non-Science Majors	4
First Semester RNSG 1240	Professional Nursing Skills for Articulating Students	2 900
RNSG 1262	Clinical I - RN Transition	0 10
Credit for Prior Learning	RNSG 1219, RNSG 1523, RNSG 2504	12
Second Semester RNSG 2514 RNSG 2462	Integrated Care of the Patient with Complex Health Care Needs Clinical III - RN	70 4
* + Creative Arts or	Select from Creative Arts Core Curriculum or	ω
* + Language, Philosophy & Culture	Select from Language, Philosophy & Culture Core Curriculum	
Third Semester		
RNSG 2463	Clinical IV RN	4
RNSG 2435	Integrated Patient Care Management	_

⁺ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

* May be taken prior to admission to the ADN program.

Articulated Credit

Purpose: The purpose of the Alvin Community College Vocational Nursing Program (ACC VN Program or VN Program) is to provide a Texas Board of Nursing (BON) approved educational curriculum designed to prepare students to be eligible to write the National Council of State Boards of Nursing Licensure Exam for Practical Nurses (NCLEX-PN), after the student has successfully completed the VN program. Those passing this examination will become licensed to practice Vocational Nursing in the State of Texas. The program delivers the instruction necessary for the LVN to function, at an entry level, in the following roles: as a member of the profession, as a provider of patient centered care, as a patient safety advocate, and as a member of the healthcare team. LVN practice is a directed scope of practice. VN licensure enables the nurse to care for clients with predictable health care needs in a variety of healthcare settings while under the supervision of a registered nurse, advance practice registered nurse, physician's assistant, physician, dentist or podiatrist.

practice safely. Accreditation: The program is fully approved by the Texas Board of Nursing (BON). The stated mission of the BON is to protect and promote the welfare and safety of the people of Texas by ensuring that each person holding a license as a nurse in the State of Texas is competent to

Procedure for Program Application for Conditional Admission: A new class begins each Summer Session I. The first class that you may apply for begins June, 2017. Enrollment is limited to 30-50 qualified applicants per class. The number of students accepted will depend upon instructor and clinical site availability. To be considered for conditional admission to the ACC VN program, the applicant MUST complete the following steps by the application deadline, the steps do not have to be completed in the order in which they are listed:

Be fully admitted to the college, then submit a completed online VN application at www.alvincollege.edu/LVN during application period. See the VN website for exact dates of application period. Applications may be accessed on the website on the first day of the application period and will not be accepted after the close of the application period.

Attend a Vocational Nursing applicant meeting. Check the VN website for meeting location, dates, and times. The last meeting is conducted on the application deadline date. All required application documents should be turned in at an applicant meeting. CHILDREN ARE NOT ALLOWED TO ATTEND.

Provide official proof of high school level education. If you need information regarding evaluation of foreign credits, please refer to the "Academic Policies & Regulations" section of this catalog.

Submit HESI A2 exam scores to the VN department. It is required that applicants take the following sections of the exam: Math, Reading, Comprehension, Vocabulary & General Knowledge, Grammar, Anatomy & Physiology. VN applicants may combine section scores from different HESI exams. If an applicant wishes to repeat the entire exam, or repeat specific sections, at least 30 days must elapse prior to retesting. HESI A2 scores for all required test sections must be less than five years old as of the application deadline. If the exam is taken at ACC, the VN department automatically receives a score report. If the exam is taken elsewhere, you must have the results sent directly to the ACC VN department, and it may take up to 2 weeks for us to receive them. Plan accordingly, we MUST receive the exam scores no later than the application deadline.

Submit proof of Hepatitis-B (HBV) vaccine injection #1, or proof of HBV immunity.

exam scores if they: Selection for Admission: Admission to the VN program is competitive. There are no prerequisite courses for the VN program. After the application deadline, applicants are ranked according to their HESI-A2 exam scores. Applicants must achieve a reading comprehension score of 70% or better, and a composite score of 65% or better. Additional admission preference is given to applicants achieving the required HESI

Vocational Mursing Certificate

Live in-district for Alvin Community College. To determine if you reside within the district, contact the Admissions Office @ 281-756-3531. Have completed Biology 2401 Anatomy & Physiology I and Biology 2402 Anatomy & Physiology II by the application deadline. The grade attained in each course must be a "C" or better, and must be no more than 5 years old as of the application deadline.

Program Information:

1. The total cost for the VN Program is approximately \$5,800 for students living in-district and approximately \$7,800 for students living out-of-district. This includes all tutifon and fees, HESI A2 fee, required CPR certification, malpractice insurance, books, miscellaneous supplies, uniforms, plus costs related to graduation and licensure. The cost of personal health insurance and transportation are the student's responsibility. Note: Costs are subject to change without notice.

2. The VN program reserves the right to dismiss, at any time, any student. The reasons for dismissal include, but are not limited to, the infractions listed in BON rule # 214.8. The VNP rogram adheres to ACC Academic Dishonesty & Integrity policies and procedures.

3. The program consists of both academic courses and associated clinical learning experiences as required by the BON. The student must demonstrate the achieve with a variety of healthcare facilities in order to provide the clinical experiences required by the BON. The tadays and shifts available for clinical vary from facility to facility, Clinical assignments can be in any geographical area in Brazoria County or the counties surrounding it. Clinical hours can be scheduled for any hour on any day of the week.

5. Requirements that must be completed after conditional acceptance in order to become fully acceptance.

6. Pay tordamage for and complete the following steps.

a. Attend the VN Program policy, the requirements of VIC clinical affiliates, and must meet the eligibility criteria, as determined by the BON, that will allow graduateled students to write for the NOLEX-PN. A social security number is required and will be verified uring the background checks. One of the background checks is done by a private firm and is required by clinical. The other is a DPS/FBI background checks. One of the background checks is done by a private firm and is required by clinical. The other is a DPS/FBI background checks provided and the provided provided of the format

Φ. Obtain CPR certification from the American Heart Association, it must be for Basic Life Support (BLS) for Healthcare Providers

f. Provide proof of the following:
a. Up-to-date immunizations or proof of immunity – measles mumps, <u>rubella (titer required)</u>, tetanus, diphtheria, pertussis (pertussis a. Up-to-date immunizations or proof of immunity – measles mumps, <u>rubella (titer required)</u>, all 3 injections of the Hepatitis B vaccine series, seasonal flu. booster required after age 18), <u>varicella (titer required)</u>, all 3 injections of the Hepatitis B vaccine series, seasonal flu. b. Negative TB skin test or CXR.
b. Negative TB skin test or CXR.
g. Pay for lab supplies.
h. Order and pay for VN uniforms on program orientation day.

Transfer Students / Readmission Students
Applicants from ADN or VN programs no Applicants from ADN or VN programs not affiliated with ACC are considered new students. They must apply during the application period, and they must meet & abide by the current VN admission, curriculum, and program requirements. Courses from other ADN or VN programs will be evaluated for transfer on an individual basis by the VN Department Chair. The courses must be no older than 2 years as of the application date. Evidence of competency in previously completed nursing courses will be required before the courses are accepted for application date. Evidence of competency in previously completed nursing courses will be accomplished by a written exam and a clinical skills competency demonstration. The student must pass the competency transfer.

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using in order to be admitted.

Lesting in order to be admitted.

ACC ADN students who wish to join the VN program may apply. If the student must enter VN program in the first semester, they must apply to the program along with all other applicants. They must meet & abide by the current VN admission, curriculum, and program requirements. ACC ADN students who wish to enter the VN program in the Fall Semester will be placed on a wait list after filling out an application. The students will be admitted on a space available basis, if they meet & abide by the current VN admission, curriculum, and program requirements. Evidence of competency in previously completed nursing courses will be required before the courses are accepted. This will to be admitted by a written exam and a clinical skills competency demonstration. The student must pass the competency testing in order requirements who fail to complete the program in the first semester and wish to make a second attempt must reapply to the program. ACC VN students who fail to complete the program in the first semester and wish to make a second attempt must reapply to the previous students are allowed two attempts, maximum, to complete the program. The second attempt must be made within 1 year of the previous withdrawal from the program. The second attempt must complete a new program ACC VN students who complete the Summer Semester successfully, but fail to complete the Fall Semester may return for one further application, and must meet & abide by the current VN admission, curriculum, and program requirements. The students will then be placed attempt. The second attempt must be made within 1 year of the previous withdrawal from the program. The students will be required before the application, and must meet & abide by the current VN admission, curriculum, and program requirements. The students will be required before the program students will be required before the program and program requirements. The student must pass on a wait list and admitted as space permits.

were dismissed for professional behavior issues, or, committed acts of academic dishonesty

Progression and Dismissal Policies: Once a student has entered the VN program, all nursing courses and related courses must be completed in the sequence shown in the VN

Students must attain a "C" or better in all required courses. An average of 75% is the lowest score accepted as a "C".

Students must attain a "C" or better in all required courses. An average of 75% is the lowest score accepted as a "C".

Students must attain a "C" or better in all required courses. The student must attain a 75 % or greater average in both components. In classes that have both a classroom and clinical component, the student cannot continue either course. The student must attain a 75% average in either component, the student cannot continue either course. The student must receive a grade of less than 75 average in either component, the student cannot continue either course. The withdraw from the program and, if eligible, reapply to the program within the required time-frame.

The maximum allowable number of absences in Summer Semesters (sixteen weeks each) is three per academic course and two total for clinical. maximum allowable absences in the Fall and Spring Semesters (sixteen weeks each) is three per academic course and two total for clinical. maximum allowable absences in the Fall and Spring Semesters (sixteen weeks each) is three per academic course and two total for clinical. Three instances of being tardy to a class or clinical equals one absence in that class or clinical.

	Spring Semester VNSG 1219 VNSG 1226 VNSG 1230 VNSG 1234 VNSG 1301 *VNSG 1661	Fall Semester VNSG 1329 VNSG 1331 VNSG 1332 VNSG 1360	Course Number Summer Semester VNSG 1122 VNSG 1160 VNSG 1227 VNSG 1420 VNSG 1423	
Boguired for Vocational Nursing Certificate	Leadership & Professional Development Gerontology Maternal-Neonatal Nursing Pediatrics Mental Health & Mental Illness Clinical III - Vocational Nurse	Medical-Surgical Nursing I Pharmacology Medical-Surgical Nursing II Clinical II - Vocational Nurse	Course Title Vocational Nursing Concepts Clinical I - Vocational Nurse Essentials of Medication Administration Anatomy & Physiology for Allied Health Basic Nursing Skills	
pred student status.	emeritupen ent 2 gustabrig wolfs lieu institut shriv of arrabbie 2 gustabrig wolfs lieu institut shriv of arrabbie 2 gustabrig wolfs brushig and to based as 2 gustabrig wolfs brushig arrabbio 2 gustabrig and parabbio 2 gustabrig and parabbio 3 gustabrig and and 3 gustabrig and brushig and find and 3 gustabrig and brushig and find and and 3 gustabrig and brushig and find and and and and and and and and and a	The ed has arrued 3 and 3. If philipportus ability of his arrued 3 and 2. If the solid brown is a street of the solid brown as a sum at nemerical part and a solid brown as a so	A 1/23H, zeed on motivate a sububitation of the A 1/23H, zeed on motivate and the state of the s	Cledia

Total Credits Required for Vocational

Capstone Course

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

the business office. It is designed for those seeking first employment and for those currently employed who are seeking promotion. Purpose: The Associate of Applied Science Degree curriculum in Office Administration offers courses which prepare the student for employment in

Support Certificate and the Office Assistant Certificate. assistant or an office manager. The student will gain at least eight months work experience related to this field. Upon satisfactory completion of the two-year curriculum, the student will be awarded the Associate in Applied Science Degree in Office Administration in addition to the Administrative Program Requirements: The two-year curriculum in Office Administration provides instruction in areas required for competence as an administrative

Associate of Applied Science Degree Program

*Denotes core requirement. Speak with Department *Capstone course. **Course description is under the Management department. ***Course description is under the Paralegal department.	Total Credits Required for AAS Office Administration-Administrative Assistant	POFT 1300	*Language, Philosophy & Culture	*Creative Arts or	*POFT 2382	*POFM 1317 or ***! GI A 1345	*BMGT 1327 or	Emphasis Electives:	Fourth Semester	- Cara 1307 - 6	*ENGL 1301	*MATH 1314	*POFT 1382	POFL 1340	HITT 1305 or	ACNT 1311 or	Emphasis Electives:	POFI 1349	Third Semester	ACNT 1303	POFI 1341	**BMGT 1305	POFI 2301	DOET 1305	Second Semester	POFI 1301	POFT 1319	POFT 1329	POFT 1309	PSYC 1300	AM - Semester 1 (Fall 2016)	Course Number
*Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection. *Capstone course. **Course description is under the Management department. ***Course description is under the Paralegal department.	ninistration-Administrative Assistant	Career Exploration & Planning hopping and Statistical Aleghant	Select from Language, Philosophy & Culture Core Curriculum	Select from Social & Behavioral Sciences Core Curriculum Select from Creative Arts Core Curriculum	Co-Op-General Office Occupations & Clerical Services	Medical Administrative Support	Principles of Management	Select one course from Emphasis Electives:		Select One Course from Enghasis Elective List.	Composition 1342 he talidad atetro-A edobA id production in the residence	College Algebra	Co-Op- General Office Occupations & Clerical Services	Legal Office Procedures II	Medical Terminology I	Intro to Computerized Accounting (QuickBooks)	Select one course from Emphasis Electives:	Spreadsheets (Excel)		Introduction to Accounting	Computer Applications II (Adobe Acrobat, Visio, Publisher, SAP)	Communications in Management	Word Processing (Word)	Rusinoss Math Heine Tochnology		Computer Applications I (Microsoft Office)	Records Management I	Beginning Keyboarding (Word) 10 & smalleguoo C solito Israela a goldo	Business Office Procedures I	Learning Framework	CYCLE PROBLEM (VIOL)	Course Title
	60 - 1709	ω	se Toy Take	ယ္ဆယ္	10 Se			ω ω	YCM1 1311 94	3 10	30 P POG	ယ	ယ			FOH 1901	ω (6	5	lω	ယ	ယ (lescription of under the Mer	CO01286	Critos A soitto not bourupe 9 atib	lω	367 7369	30 1709	3-8: 1309	ယ		Credits

Office Administration - Administrative Assistant

Business Office Management Emphasis - ACNT 1311 Intro to Computerized Acct, BMGT 1327 Principles of Management Medical Office Management Emphasis - HITT 1305 Medical Terminology, POFM 1317 Medical Administrative Support Legal Office Management Emphasis - POFL 1340 Legal Office Procedures II, LGLA 1345 Civil Litigation

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Office Administration - Office Assistant Certificate (CIP 52.0408)

Articulated Credit

*Capstone course. **Course description is under the Management department

Office Administration -Administrative Support Certificate (CIP 52.0401)

Course Number First Semester	Course Title	Credits
POFT 1309	Business Office Procedures	ω
POFT 1329	Beginning Keyboarding (Word)	ω
POFT 1319	Records Management I	ω
POFI 1301	Computer Applications I (Microsoft Office)	ယ
ACNT 1303	Introduction to Accounting (QuickBooks)	in Fig
Second Semester		
POFI 2301	Word Processing (Word)	ယ
POFT 1325	Business Math Using Technology	ယ
POFI 1341	Computer Applications II (Adobe Acrobat, Publisher, SAP, Visio)	ယ
Emphasis Electives	Select One Course from Emphasis Elective List:	ယ
ACNT 1311 or	Intro to Computerized Accounting (QuickBooks)	
HITT 1305 or	Medical Terminology	
POFL 1340	Legal Office Procedures II	
POFT 1382	Co-op - General Office Occupations & Clerical Services	∱ (ω
Third Semester		
** BMGT 1305	Communications in Management	ယ
POFI 1349	Spreadsheets (Excel)	ယ
Emphasis Electives	Select One Course from Emphasis Elective List:	w
*BMGT 1327 or	Principles of Management	
*POFM 1317 or	Medical Administrative Support	
*** LGLA 1345	Civil Litigation	
* POFT 2382	Co-Op-General Office Occupations & Clerical Services	ယ
POFT 1300	Career Exploration & Planning	က် က်
tal Credits Required for Administ	tal Credits Required for Administrative Support Certificate Program	45
apstone course. Ourse description is under the Management department	Ragal Caparitient	

Business Office Management Emphasis - ACNT 1311 Intro to Computerized Acct, BMGT 1327 Principles of Management Medical Office Management Emphasis - HITT 1305 Medical Terminology, POFM 1317 Medical Administrative Support Legal Office Management Emphasis - POFL 1340 Legal Office Procedures II, LGLA 1345 Civil Litigation

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program, the student gains knowledge of legal and court procedures in rendering a variety of legal services, including research, case management, drafting of documents, client interviews, and law firm operations. The need for persons to assist the legal profession has expanded greatly with population increases and the growing demand for legal services. The qualified Paralegal may find employment with law firms, business and industry, including banks, title companies, insurance firms, governmental agencies, petrochemical companies, etc. Purpose: The Associate of Applied Science Degree for Paralegal is designed to prepare the successful student for a career as a Paralegal. In this

course provides the students with the opportunity to further increase their knowledge and skill levels needed for employment in the legal field. conversant in legal terminology and procedures. The curriculum consists of Paralegal courses, plus a two semester co-op (internship). A co-op Attorneys generally set high standards of character and education for Paralegals. Paralegals must be responsible and mature individuals thoroughly

department chair for assistance with choosing courses. Courses for the Paralegal program do not need to be taken in the order shown on this page. Please use the semester schedules as a guideline and / or contact the

Associate of Applied Science Degree Program

Course Number	Course Title	SECOLOR GOINES
First Semester		Credits
+ ENGL 1301	Composition 1	3 88 A
LGLA 1301	Legal Research & Writing	ى د
LGLA 1311	Introduction to Law	ک در در کار
LGLA 2303	Torts and Personal Injury Law	သ
LGLA 1353	Wills, Trust and Probate Administration spanned	ယ (
Second Semester		
LGLA 1355	Family Law environment and env	ا د د د
LGLA 1345	Civil Litigation	ر ا ا
LGLA 2305	Interviewing and Investigating	ω CLA CLA CLA CLA CLA CLA CLA CLA CLA CLA
LGLA 2313	Criminal Law & Procedure	iot bajiyosh alib
POFI 1301		ယ (
Third Semester		oriupen prop sedo
+ Creative Arts or	Select from Creative Arts Core Curriculum or	
 Language, Philosophy & Culture 	Select from Language, Philosophy & Culture Core Curriculum	
+ Social & Behavioral Sciences	Select from Social & Behavioral Sciences Core Curriculum	ယ
LGLA 1359	Immigration Law Steame Preparations & Asspiration Robinstans	ယ
LGLA 1380	Cooperative Ed I - Paralegal	ယ
LGLA 2311	Business Organizations - And Controlled to	ယ
Fourth Semester		
LGLA 1351	Contracts Law	ω
LGLA 2323	Intellectual Property and Islam and	ယ
* LGLA 2381	Cooperative Ed II - Paralegal	ယ
* Mathematics or	Select from Mathematics Core Curriculum or	ယ
+ Life & Physical Sciences	Select from Life & Physical Sciences Core Curriculum	
* SPCH 1315 or	Public Speaking or	ယ
+ SPCH 1318	Interpersonal Communication	
Total Credits Required for A.A.S. Paralegal Degree	ll Degree	200

Paralegal

If a student registers for a co-op course (internship), the student must have a co-op site arranged prior to the first day of the semester class.

⁺ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

Capstone Course

Paralegal Certificate (CIP 22.0302)

The Paralegal Certificate program is designed for individuals who would like to obtain their paralegal education and enter the job market as quickly as possible. This program is a great option for individuals who presently have an associate or bachelor's degree, from an accredited college, in a different field of study. Courses for the Paralegal program do not need to be taken in the order shown on this page. Please use the semester 281-756-3642

schedules as a guideline and/or contact the department chair for assistance with choosing courses.

Credits

Course Number

ENGL 1301 Legal Research & Writing LGLA 2305 LGLA 2305 LGLA 2303 Second Semester LGLA 1355 LGLA 1380 LGLA 1380 LGLA 1380 LGLA 1345 LGLA 2313 POFI 1301 Third Semester LGLA 1359 Composition I Legal Research & Writing Legal Research & Writing Legal Research & Writing Wills, Trust, and Probate Administration Wills, Trust, and Probate Administration Corts and Personal Injury Law Cooperative Ed I - Paralegal Civil Litigation Civil Litigation Computer Applications I Third Semester Computer Applications I Immigration Law Contracts Law Immigration Law
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⁺Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

^{*} Capstone course. If a student registers for a co-op course (internship), the student must have a co-op site arranged prior to the first day of the semester class.

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

The program prepares you to take the Pharmacy Technician Certification Exam. Once certified, you will be able to work in retail pharmacies, hospital pharmacies, and mail order pharmacies. The 2 year curriculum provides courses in Management allowing you to gain knowledge needed Purpose: The Pharmacy Technician Program offers a 2 year curriculum to prepare individuals for an allied health career working in a pharmacy.

Program Requirements:

- Have a high school diploma or GED.
- Apply to Alvin Community College and fulfill the admission requirements.
- Not currently on suspension or academic probation at any college.
- Interview with the Department Chair of the program.
- All students are required to make a C or greater for all pharmacy technician courses.
- You must not have any felonies (in the last 5 years) or drug convictions. A background check will be conducted by the State of Texas Pharmacy Board when applying for "technician in training" status.
- A drug test is required for clinical rotation.
- Current immunizations required for clinical rotation.
- CPR certification required for clinical rotation.

Course Number	Course Title	Credits
First Semester		36 1305 SA 1305
*ENGL 1301	Composition I	8
PHRA 1301	Introduction to Pharmacy	· w
PHRA 1315	Pharmacy Terminology	ယ
*SPCH	Select SPCH colling from Component Area Carlos Constitution	. .
Second Semester	The control of the co	ယ
BMGT 1327	Principles of Management	Court Season
HRPO 1311	Human Relations	3
PHRA 1305	Drug Classification) ယ (()
PHRA 1309	Pharmaceutical Mathematics I	ω ω -
PHRA 1313	Community Pharmacy Practice	ა დ
I hird Semester		c
*CHEM 1405	Introductory to Chemistry	Redwired for
PHRA 1304	Pharmacy Therapy and Disease Process	4 u
PHRA 1349	Institutional Pharmacy Practice	
Fourth Semester		c
HRPO 2301	Human Resource Management	•
PHRA 1441	Pharmacy Drug Therapy & Treatment	. c
PHRA 1345	Compounding Sterile Propagations & Apparts Table	4
*Social & Behavioral Sciences	Select from Social & Rehavioral Science Company Committee	ယ
Fifth Semester	Committee Core Curriculum	ယ
*Creative Arts or	Select from Creative Arts Core Curriculum or	Ges utilizing
*Language, Philosophy & Culture MRKG 1311	Select from Language, Philosophy & Culture Core Curriculum Principles of Marketine	ú
PHRA 1291	Special Topics for Bhomos: Total:	ω
*PHRA 2262	Clinical - Pharmacy Technician	2
	- Inditional Technique	2
al Credits Required for A.A.S. Pharmacy Technician Degree	Technician Degree	80
anotes core requirement Speekith De	Section of the sectio	
enotes core requirement. Speak with De	ellotes core requirement. Speak with Department Chair or Academic Advisor for property in the control of the co	

Pharmacy Technician

Speak with Department Chair or Academic Advisor for proper course selection.

* Capstone Course

Total

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Purpose: The Pharmacy Technician Certificate is designed to prepare career oriented persons to take the Pharmacy Technician Certification Exam and enter the field of Pharmacy.

Program Requirements:

- Have a high school diploma or GED.
- Not currently on suspension or academic probation at any college. Apply to Alvin Community College and fulfill the admission requirements.
- Interview with the Department Chair of the program.
- All students are required to make a C or greater for all pharmacy technician courses.
- You must not have any felonies (in the last 5 years) or drug convictions. A background check will be conducted by the State of Texas Pharmacy Board when applying for "technician in training" status.
- 9.8.7 A drug test is required for clinical rotation.
 - Current immunizations required for clinical rotation.

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CPR certification required for clinical rotation.

Course Number Course Title Credits First Semester PHRA 1305 PHRA 1305 PHRA 1309 PHRA 1313 PHRA 1313 PHRA 1315 PHRA 1315 PHRA 1315 PHRA 1315 PHRA 1314 PHRA 1314 PHRA 1304 PHRA 1304 PHRA 1304 PHRA 1304 PHRA 1304 PHRA 1305 PHRA 1305 PHRA 1305 PHRA 1306 PHRA 1306 PHRA 1306 PHRA 1306 PHRA 1307 PHRA 1307 PHRA 1308 PHRA 1309 PHRA			
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ingsi Credits Credits TodinaMis TodinaMi		Compounding	PHRA 1345
Credits Control of Contro	erapy & Disease Process	Pharmacy, The	PHRA 1304
Credits State Probability State Credits State State Probability State Credits State State State Credits State State State Credits State State State Credits State State State State Credits State Sta		Institutional P	PHRA 1349
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Credits Bit - Papalogs Credits Bit - Papalogs Bit - Papalo		Pharmacy Terminology	PHRA 1315
Credits Billionalis Billional		Community P	PHRA 1313
Credits 3 3 macy	1	Pharmaceutic	PHRA 1309
Cred Linguism Horseure Billinguism Billing	Pharmacy	Introduction to Pharmacy	PHRA 1301
Congruence Ed 1 - Portings! Cred		Drug Classification	PHRA 1305
Cooperative Ed 1 - Porsings			First Semester
		Course litle	Course Number
		1	

respiration, blood oxygen and other physiological events. Technologists are also involved in evaluation of various treatment methods. PSG technologists operate a variety of sophisticated electronic monitoring devices, which record brain activity (EEG), muscle and eye movement alertness. The range of the sleep disorders is varied but includes common disorders such as narcolepsy, sleep apnea, insomnias, and many others Purpose: Polysomnographic (PSG) Technology is an allied health specialty for the diagnosis and treatment of disorders of sleep and daytime

(BRPT). PSG technologists are employed in Sleep Disorders Centers, which can be located in medical centers, hospitals, or clinic/office settings. PSG A major emphasis of the program is to prepare technologists for Board Registration by the Board of Registered Polysomnographic Technologists program offers a degree that includes lectures, lab experience on campus, clinical experience at accredited sleep centers, and physician lectures.

Wacker Dr., Suite 1970, Chicago, IL 60601-2208, www.caahep.org. The program is fully accredited by the Committee on Accreditation for Polysomnographic Technologists Education (CoA-PSG), One Westbrook Corporate Center, Suite 920, Westchester, IL 60154, and the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 35 E.

Admission Requirements

To be considered for admission to the Polysomnography program, the applicant must:

- be a high school or GED graduate.
- make an application to Alvin Community College and fulfill the admission requirements.
- make an application to the Polysomnography program.
- submit official transcripts of all previous college work to ACC Enrollment Services Center.
- .T @
- demonstrate an understanding of the responsibilities, duties and technical standards for the Polysomnography profession.. have completed the HESI A2 Entrance Exam and complete BIOL 2401, BIOL 2402, and ENGL 1301 with a grade no lower than a "C" before the January start date.
- 9 interview with the Program Director
- complete a physical examination which includes TB skin test and immunizations upon acceptance to the program.
- not currently be on suspension or academic probation.
- have current CPR certification AHA Health Care Provider (will be taught in HPRS 1310).
- must have a negative criminal background check and a clear drug screen as condition of full acceptance into the program.
- have proof of medical health insurance.

Progression Policy

- are admitted or re-admitted to the program. The Polysomnography students will abide by the admission and curriculum requirements of the Polysomnography Department at the time they
- 2 shown in the catalog and degree plan, or must have the approval of the Program Director. Once a student has enrolled in the Polysomnography Program, all Polysomnography courses must be completed in the proper sequence as
- No grade below a C in a Polysomnography or academic course will be acceptable.
- Director. This action may be taken at any time during the semester or at the end of the semester. A student will be terminated from the program if clinical performance is unsatisfactory as determined by the Clinical Instructor and the Program
- 5 In the event a student is asked to leave a clinical affiliate, and not return, the student may not continue progressive courses utilizing that facility If the clinical affiliate is utilized in future courses, the student will be terminated from the program
- 0 of D or F is recorded on the transcript. Only two (2) attempts in any science/math or any Polysomnography course will be permitted. An attempt is defined as a course in which a grade
- 7 A student requiring hospitalization, or sustaining an injury will be required to obtain a written statement from his/her physician verifying that the she must be on medications which may interfere with his/her ability to perform satisfactorily. health status of the student is adequate for performance in the clinical agency. A student my not be allowed to return to the clinical area if her
- A student who is pregnant must present a physician's statement giving evidence of her ability to perform the required work.
- 900 Students must complete the program within three (3) years after initial acceptance.

- 1. Advanced standing applies to those Polysomnography personnel who have work experience and have not completed the associate degree
- 12 Polysomnography professional with at least two (2) years full-time experience in the field will have the opportunity to challenge polysomnography
- 4 4 These courses must be challenged in sequence unless permission is otherwise granted.
- Not all Polysomnography courses may be challenged. For each credit hour granted by examination, a credit must be taken on this campus.

Polysomnography - Sleep Medicine

in Deliver A & Polysomnore	Fourth Semester (Spring) PSGT 1191 PSGT 2250 **PSGT 2661 **Creative Arts or *Language, Philosophy & Culture	Third Semester (Fall) PSGT 2411 PSGT 2660 RSPT 2239 *Social & Behavioral Sciences	Second Semester (Summer) PSGT 1260 PSGT 2205 RSPT 1310	HPRS 1304 PSGT 1205 PSGT 1310 PSGT 1340 PSGT 1400
50. Orange of the A.A.S. Bolycompography	Special Topics in ENDT Infant and Pediatric Polysomnography Clinical III - Polysomnography Select from Creative Arts Core Curriculum Select from Language, Philosophy & Culture Core Curriculum	3264	Clinical I - Polysomnography Sleep Scoring & Staging Respiratory Care Procedures I	Basic Health Profession Skills 2 Neurophysiology of Sleep Neuroanatomy & Physiology Sleep Disorders Polysomnography I Polyso

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit Polysomnography - Sleep Medicine (CIP 51.0903)

281-756-5655

Course Number
Pre-requisites
* *BIOL 2401

Anatomy & Physiology I Anatomy & Physiology II

Composition I

Course Title

*BIOL 2402 *ENGL 1301

First Semester (Spring)

Basic Health Profession Skills

Total Credits Required for A.A.S. Polysomnography . .

+ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

* Pre-requisite courses must be completed before January start date.

** Capstone Course

2016-17 Rev: 05-30-16

program offers a certificate that includes lectures, lab experience on campus, clinical experience at accredited sleep centers, and physician PSG technologists are employed in Sleep Disorders Centers, which can be located in medical centers, hospitals, or clinic/office settings. PSG technologists operate a variety of sophisticated electronic monitoring devices, which record brain activity (EEG), muscle and eye movement, lectures. A major emphasis of the program is to prepare technologists for Board Registration by the Board of Registered Polysomnographic respiration, blood oxygen and other physiological events. Technologists are also involved in evaluation of various treatment methods. The range of sleep disorders is varied but includes common disorders such as narcolepsy, sleep apnea, insomnias, and many others. PSG Polysomnographic (PSG) Technology is an allied health specialty for the diagnosis and treatment of disorders of sleep and daytime alertness

Admission Requirements

Technologists (BRPT.)

To be considered for admission to the Polysomnography program, the applicant must

- make an application to Alvin Community College and fulfill the admission requirements.
- make an application to the Polysomnography program.
- have an Associate Degree in a Health Care field.
- submit official transcripts from college where above degree was granted
- submit appropriate state licensure and/or credentials.
- interview with the Program Director
- complete a physical examination which includes TB skin test and immunizations upon acceptance to the program.
- not currently be on suspension or academic probation.
- have current CPR certification AHA Health Care Provider.
- have a negative criminal background check and a clear drug screen as a condition of full acceptance into the program.

Polysomnography - Advanced Technical Certificate

must have proof of medical health insurance

	Carried Ministry		
	Spring Semester	Course Title	Credits
	PSGT 1205 PSGT 1310	Neurophysiology of Sleep	» N
	PSGT 1340	Sleep Disorders	ω w
	PSGT 1400	y Hoffshesh Hoffshesh	4
	Summer Semester		
	PSGT 1260 PSGT 2205	Clinical I - Polysomnography Sleep Scoring & Staging	0 20
*	RSPT 1310	Respiratory Care Procedures	3 2
	Fall Semester		
	PSGT 2411 PSGT 2660	Polysomnography II Clinical II - Polysomnography See 1018-bid bytes begon to	4 a
	RSPT 2239	<u>a</u>	2 (
	Spring Semester		
	PSGT 1191 PSGT 2250		
*	PSGT 2661	Intant and Pediatric Polysomnography Clinical III - Polysomnography	6 2
al Crec	its Required for Advanced Technic	al Credits Required for Advanced Technical Certificate in Polysomnography	40

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*Student must take RSPT 1310 (Respiratory Care Procedures) if he/she is not a Registered Respiratory Therapist

**Capston Course

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

become process technicians in the refining, petrochemical, power generation, oil and gas production, food and other process industries. Technical knowledge and skills will be gained in areas such as operating equipment, instrumentation systems, process systems, process troubleshooting and computer applications. The associate program will take four semesters to complete. Graduates from the program will be prepared for entry level Purpose: The Process Technology associate level program offers students core courses related to Process Operations that will prepare them to

Program Requirements: In addition to the general requirements for admission to ACC, entry into the Process Technology program requires basic proficiency in English, Reading, and Math.

Course Number	Course Title	Credits
FIRST YEAR		
First Semester		
*** PTAC 1302	Introduction to Process Technology	at contacting as a start a
PTAC 1308	Safety, Health, and Environmnet	
*MATH 1332 or	Contemporary Mathematics I	ged etsibo3eA ns evsn .o
*MATH 1314 or	College Algebra and Johnshy each outgeb evods events against mort at	
MATH 1333	Contemporary Math for Tech	
*ENGL 1301	Composition I	DOY OF THE WINDOW IN THE PROPERTY OF THE PROPE
Second Semester		
SCIT 1414	Applied General Chemistry	theo 990 4onus even i
*** PTAC 1310 ALEXAND ON SALES	Process Technology I (Equipment)	i pake s uede ine cuum
PTAC 1332	Process Instrumentation I	Sent to loon of event form. A
*Social & Behavioral Sciences	Select from Social & Behavioral Science Core Curriculum	ω
Summer Semester		
*** PTAC 2420	Process Technology II (Systems)	58014305
CTEC 1401	Applied Petrochemical Technology (Physics)	7.000
*** PTAC 2436	Process Instrumentation II	20 cm
*Creative Arts or	Select from Creative Arts Core Curriculum	ω
*Language, Philosophy & Culture	Select from Language, Philosophy & Culture Core Curriculum	
SECOND YEAR		
First Semester		
*** PTAC 2446	Process Troubleshooting	4
*** PTAC 1354 or	Industrial Processes	ယ
**CTEC 2380	Cooperative Ed-Process Technology	
*** > PTAC 2438	Process Technology III (Operations) 100 000 000 000 000	9891 4 229
PTAC 2314	Quality, Statistical Process Control & Economics	ယ
Second Semester		
*SPCH 1315 or	Public Speaking Plastgonmozylo 3 obtaile 9 bas tastril	03831029
*SPCH 1318	Interpersonal Communications Connected - III Isolaid	
TECM 1303	Technical Calculations	Senior Se
Total Credits Required for A.A.S. Process Technology Degree	echnology Degree	60
+ Joseph Source Constitution of the Constituti	Department Chair or Academic Advisor for proper source colonian	

^{*} Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection

> Capstone Course - Can not be substituted.
** Requires Department Chair approval.

^{****} Denotes a series of Pre-Requisite Process Technology Courses. A grade of "D" is not considered a passing grade and the course should be retaken.

Purpose: The Process Technology certificate level program is designed to prepare students for entry level trainee jobs in the process industries. Time for completion is one-and-one-half years.

Program Requirements: A certificate student will take the following curriculum to achieve the certificate in Process Technology.

Course Number	Course Title	Credits
First Semester *** PTAC 1302	Introduction to Process Technol	
PTAC 1308	Safety, Health and Environment in the	cust read probulons
Second Semester SCIT 1414	Applied General Chemistry	35-282-34-00) msng
*** PTAC 1310	Process Technology I (Equipment)	3
PTAC 1332	Process Instrumentation I suggest area graduless and of noisemberral to 3 orange and	bs 101 b 3 bishoo ad
Summer (Third) Semester **** > PTAC 2420	Process Technology II (Systems)	be a frigh school or CED graduate the test was a fulfill tha CAD at notificities sident to the resolutions are
CTEC 1401	Applied Petrochemical Technology (Physics)	apovere lis to admoened 14 Hollindus
Fourth Semester **** PTAC 2446	Process Troubleshooting	gistischen zu eden der Geschen der Scheidene Steinbert C. Seinbert der Scheiden der
*** PTAC 2438	Process Technology III (Operations)	veoloid 4 ozerinos o
PTAC 2314	Quality, Statistical Process Control & Economics 3	e isolayrigs ejekumoo
tal Credits Required for Process Technology	otal Credits Required for Process Technology Certificate	35
Capstone Course - Can not be substituted. Denotes a series of Pre-Requisite Process Techno	Capstone Course - Can not be substituted. Denotes a series of Pre-Requisite Process Technology Courses. A grade of "D" is not considered a passing grade and the course should be retaken.	irse should be retaken.

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Associate of Applied Science Degree Program (A.A.S.)

neonatal patients on mechanical ventilation. Respiratory therapists practice in a variety of settings, including intensive care units, neonatal/pediatric management of respiratory disorders. The graduate will possess advanced, intensive-care skills to assess, monitor and evaluate adult, pediatric and Purpose: The Respiratory Care Department offers a two-year program that prepares individuals for an allied health specialty in the clinical care and hospitals including Ben Taub, Texas Children's, Memorial-Hermann, Methodist, St Luke's Episcopal Hospital, and eleven other clinical affiliates. requires that respiratory care practitioners obtain a state license to practice respiratory care. The program is affiliated with several community Registered Respiratory Therapists (RRT) by passing the Therapist Multiple-Choice Examination and the Clinical Simulation Examination. Texas Respiratory Care courses consist of classroom, lab and supervised hospital experience. Graduates of the associate degree program may become special care areas, general hospital floors, emergency/trauma units, extended care and rehabilitation facilities, and the home care environment. TX 76021-4244, 817-283-2835, www.coarc.com. The program (CoARC #200307) is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC), 1248 Harwood Rd., Bedford

- To be considered for admission to the respiratory care program, the applicant must:
- a. be a high school or GED graduate.
- b. make application to ACC and fulfill the admission requirements, including THEA
- c. make application to the respiratory care program.
- d. submit official transcripts of all previous college work to ACC Registrar's Office.
- discussion with a practicing therapist. Contact the director for details applicants are required to demonstrate an understanding of the responsibilities and duties of the profession through observation and
- have completed the HESI A2 Entrance Exam and complete BIOL 2401, BIOL 2402 and ENGL 1301 with a grade no lower than a "C" prior to admission. Biology grades and test scores must be within 5 years of the time of application.
- g. complete a physical examination form which includes TB skin test, and immunizations upon acceptance to the program.
- h. as a condition of full acceptance into the program, a student must have a negative criminal background check and a clear drug screen. personal health insurance is required.
- a current CPR card is not required prior to acceptance. A CPR course will be taught in RSPT 1429
- k. not currently be on suspension or academic probation from ACC or another college or university.
- 2 Any science or respiratory care course completed more than five years prior to the student being accepted may not satisfy requirements for a degree in respiratory care.
- ယ Transfer students must complete the following:

Respiratory Care

- a. meet the above admission criteria
- b. have a cumulative GPA of 2.0 or higher on all courses being transferred into the respiratory care curriculum.
- provide the Respiratory Care Department with a description and/or syllabus of each respiratory course being considered for transfer.
- Must complete a minimum of 18 semester hours at ACC in order to be considered a graduate
- Program begins in August

Alternate Enrollment:

- Alternate enrollment applies to those respiratory care personnel who are licensed and have not completed the associate degree
- Respiratory care professionals with at least two years' full-time experience in the field will have the opportunity to challenge respiratory care courses. These courses must be challenged in sequence unless permission is otherwise granted by the program director

Progression Policies:

- they are admitted or re-admitted to the program. Respiratory care students will abide by the admission and curriculum requirements of the Respiratory Care Department at the time
- 2 Once a student has enrolled in the respiratory care program, all respiratory care courses must be completed in the proper sequence as shown in the catalog and degree plan, or must have the approval of the program director
- ယ No grade below a C in a respiratory care or academic course will be acceptable for progression.
- 4 the program director. This action may be taken at any time during the semester or at the end of the semester. A student will be terminated from the program if clinical performance is unsatisfactory as determined by the clinical instructor and
- 5 A student who makes a D or F in any science/respiratory care course may repeat that course once in order to obtain a C or better
- 0 A student requiring hospitalization or sustaining an injury will be required to obtain a written statement from his/her physician to return to the clinical area if he/she must be on medications which may interfere with the ability to perform satisfactorily verifying that the health status of the student is adequate for performance in the clinical agency. A student may not be allowed
- A student who is pregnant must present a physician's statement giving evidence of her ability to perform the work required.
- 00 7 Students must complete the program within four years after initial acceptance.

Course Number	Course Title	Credits
Prerequisites	Oncede 1 note of control of the cont	
*BIOL 2401	Anatomy & Physiology I	of Even Bridwey'
*BIOL 2402	Anatomy & Physiology II	~ 1
*ENGL 1301	Composition I	4 ω
FIRST YEAR		
Fall Semester		
RSPT 1166	Drootioum Dossinotors, Oan Thomasia	Sampaura Miles als
RSPT 1207	Cardionulmonory Anotomy & Dharista	07L28-09380 CH22
RSPT 1331	Basic Besniratory Caro Eundemontals II	2
RSPT 1225	Passiratory Care Colongo	ω.
RSPT 1420	Respiratory Care Sciences	2
NOFT 1429	Respiratory Care Fundamentals I	4
Spring Semester +Creative Arts or	Select from Creative Arts Core Curriculum or	
*Language, Philosophy & Culture RSPT 1266	Select from Language, Philosophy & Culture Core Curriculum	
RSPT 2217	Respiratory Care Pharmacology	2 2
RSPT 2310	Cardiopulmonary Disease	ا د.
RSPT 2414	Mechanical Ventilation I	۵ 4
Summer Semester		
RSPT 1262	Clinical II - Respiratory Care Therapist	9 3 3 3 3 3
RSPT 2305	Pulmonary Diagnostics	1 00
RSPI 2314	Mechanical Ventilation II	ω
SECOND YEAR		
Fall Semester		
RSPT 2355	Critical Care Monitoring	د
RSPT 2266	Practicum III - Respiratory Care Therapist	. .
RSPT 2453	Neonatal/Pediatric Cardionulmonary Care	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
BIOL 2420	Microbiology for Non-Science Majors	4
Spring Semester		
*RSPT 2131	Simulations in Respiratory Care	•
RSPT 2267	Practicum IV - Respiratory Care Theranist	
RSPT 2166	Practicum V - Respiratory Care Therapist	7
RSPT 1191	Special Topics in Respiratory Therany	\
*Social & Behavioral Sciences	Select from Social & Behavioral Science Core Curriculum	ω _
Total Credits Required for A.A.S. Respiratory Care.	100	
+ Denotes core requirement. Speak with Depart	Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection	
believes core requirement, opean with Depart	Then Chair of Academic Advisor for proper course selection.	

Respiratory Care

^{*} Denotes core requirement. Speak will be * Capstone Course

Course Descriptions

Academic Foundations

Margaret Ellen Birdwell, Elizabeth Hall Patricia Konovalov, Department Chairperson

students small group or individualized help with language. These options provide help with developing Reading and Writing skills. Students who are not required to take Non-Course-baseu classes from the improve their Reading and Writing skills. NCCI 0101 provides specialized help skills. NCCI of the indents currently enrolled in NOTE: Non-Course-Based sections offer Non-Course-Based classes may elect to take bilingual students currently enrolled IGL 1301.

NOTE: Developmental Integrated Reading and Writing skills are taught in INRW 0309 / INRW 0310. These courses benefit One or all of the courses may be required by state law or by the ACC Developmental Education Plan for students whose scores to improve their reading and writing abilities college-level work and those desiring only students needing additional preparation for on placement tests fall below established cutoff levels.

INRW 0309

Writing I Developmental Integrated Reading Qo

academic writing skills. (3 lecture and 1 lab hours per week and academic coaching). Prerequisite: Appropriate TSI test scores. [CB32.0108.5912] prepares students for college success through the integration of critical reading and NRW 0309 is an introductory course that

Developmental Integrated Reading Qo

and academic writing skills. (3 lecture, 1 lab hour per week and academic coaching). Successful completion of this course fulfills TSI requirements for reading and/or writing. Prerequisite: INRW 0309 or appropriate TSI test scores. [CB32.0108.5912] that prepares students for college success through the integration of critical reading (3 credits)
INRW 0310 is the more advanced course

Writing for Non-Native Speakers

writing and composition. Open only to non-native speakers. NCCI is a companion and non-native speakers. non-course based option to ENGL 1301 and ENGL 1302 for international students Focuses on strategies and techniques of writing and composition. Open only to non-1 credit)

> American academic rhetorical structure, cultural expectations, student-specific English grammar and language patterns, as well as supporting ENGL 1301 instruction. lecture hour per week). [CB32.0108.6312] NCCI is a Non-Course Based ESOL class. (1

NCCN 0101 ESOL Self Paced Study

(1 credit)

vocational and/or personal English-speaking contexts. Combines technology-based instruction with tutorials to help students pursue personal goals. (1 lecture hour per week) .[CB32.0108.6412] Develops listening and speaking skills in speakers of languages other than English and prepares them to function in educational,

NCRW 0200

Non-Course Basic Reading and Writing (2 credit)

Features the integration of critical reading and academic writing skills. Small group, project-based instruction to improve literacy skills, build confidence and expand knowledge of the English language. (2 lecture hours per the English language. (2 lewweek.). [CB32.0108.6912]

ESOL 0301 ESOL Oral Communication

(3 credits)

fluency from basic to mid-intermediate levels. Blends classroom instruction and computer-based instruction. (3 lecture & 1 lab hour per week). [CB32.0108.5512] vocational and/or personal English-speaking contexts. Focus on increasing English fluency from basic to mid-intermediate and prepares them to function in educational, Develops listening and speaking skills in speakers of languages other than English

ESOL 0302 ESOL Reading and Vocabulary

(3 credits)

Develops English reading proficiency and vocabulary for academic, career, or personal in a multicultural, multilingual society. Focus on increasing English fluency from midintermediate to advanced levels, with an purposes in speakers of languages other than English and prepares them to function classes. Blends classroom instruction computer-based instruction. (3 lecture emphasis lab hour per week). [CB32.0108.5612] on preparation for academic

Accounting

Susan Weatherford Department Chairperson

ACCT 2301

Principles of Financial Accounting 3 credits

to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business sheet, income statement, statement of cash flows, and statement of shareholders' equity analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance procedures and systems to accumulate organizations. Students will examine readieness standard for Mathematics; or equivalent. (3 lecture and 1 lab hours per week). [CB5203015104] International Financial Reporting Standards (IFRS). Prerequisite: Meet TSI collegecourse is an introduction to Mathematics;

ACCT 2302 Principles of Managerial Accounting (3 credits)

decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and entity's accounting decisions made by fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics behavior, operational and capital budgeting, and performance evaluation. (3 lecture and 1 lab hours per week). Prerequisite: ACCT 2301. [CB5203015104] include product costing methodologies, cost management course is an introduction to the amental concepts of managerial study information from the system relevant

Anthropology

Traci Elliott, Department Chairperson

Physical Anthropology **ANTH 2301**

(3 credits)
The study of human origins and bio-cultural adaptations. Topics may include primatology, genetics, human variation, forensics, health,

(3 credits) Introduction to Archeology **ANTH 2302**

material remains. The course includes a discussion of methods and theories relevant to archeological inquiry. Topics may include the adoption of agriculture, response to environmental change, the emergence of complex societies, and ethics in the discipline. (3 lecture hours per week) Prerequisites: TSI Met. [CB45.0301.5125] The study of the human past through

ANTH 2346 General Anthropology

antecedents, related primates, and their cultural behavior and institutions. Introduces the major subfields: physical and cultural anthropology, archeology, linguistics, their applications, and ethics in the discipline. (3 lecture hours per week) Prerequisites: TSI Met. [CB45.0201.5125] (3 credits)
The study of human

Cultural Anthropology **ANTH 2351**

3 credits

diversity, interactions between human groups, and ethics in the discipline. (3 lecture hours per week) Prerequisites: TSI Met. [CB45.0201.5325] The study of human cultures. Topics may include social organization, institutions,

Arts

Carlos Ordonez Dennis LaValley, Department Chairperson

Art Appreciation **ARTS 1301** 3 credits)

purposes of the creative process. (3 lecture hours per week). Prerequisites: TSI Met. the vocabulary, media, techniques, designed to create an appreciation of [CB50.0703.5126] general introduction to the visual arts and

Art History I **ARTS 1303**

Met. [CB50.0703.5226] lecture hours per week). Prerequisites: TSI prehistoric times to the 14th century. and cultural contexts of the visual arts from (3 credits)
A chronological analysis of the historical

Art History II **ARTS 1304** (3 credits)

[CB50.0703.5226] hours per week). 14th century to the present day. cultural contexts of the visual arts from the A chronological analysis of the historical and Prerequisites: TSI Met. (3 lecture

Design **ARTS 1311**

terminology, concepts, theory, and application of two-dimensional design. (3 lecture & 3 lab hours per week). [CB50.0401.5326] 3 credits) introduction to the fundamental

ARTS 1312 Design II

(3 credits)

An introduction to the fundamental terminology, concepts, theory, and application of three-dimensional design. (3 lecture & 3 lab hours per week). [CB50.0401.5326]

ARTS 1316

Drawing I (3 credits)

Afoundation studio course exploring drawing with emphasis on descriptive, expressive and conceptual approaches. (3 lecture & 3 lab hours per week) [CB50.0705.5226]

ARTS 1317

(3 credits)
(3 credits)
A studio course exploring drawing with continued emphasis on descriptive, expressive and conceptual approaches. (3 lecture & 3 lab hours per week). Prerequisite: ARTS 1316 [CB50.0705.5226]

ARTS 2316 Painting I

3 credits)

Exploration of ideas using painting media and techniques. (3 lecture & 3 lab hours per week). [CB50.0708.5226]

ARTS 2317
Painting II
(3 credits)
Exploration of ideas using painting media and techniques. (3 lecture & 3 lab hours per week). Prerequisite: ARTS 2316. per week). Pre [CB50.0708.5226]

ARTS 2326 Sculpture I

(3 credits)

Exploration of ideas using sculpture media and techniques. (3 lecture & 3 lab hours per week) [CB50.0709.5126]

ARTS 2341 Arts Metal I

(3 credits)
Exploration of ideas using basic techniques in jewelry and metal construction. (3 lecture & 3 lab hours per week) [CB50.0713.5126]

ARTS 2346 Ceramics I

(3 credits)

week) [CB50.0711.5126] Exploration of ideas using basic ceramic processes. (3 lecture & 3 lab hours per

ARTS 2347 Ceramics II

(3 credits)

Exploration of ideas using basic ceramic processes. (3 lecture & 3 lab hours per week) Prerequisite: ARTS 2346. [CB50.0711.5126]

ARTS 2348

Digital Art I (3 credits)

of the computer hardware and software medium for their visual, conceptual, and practical uses in the visual arts. (3 lecture & 3 lab hours per week) [CB50.0402.5226] Studio art courses that explore the potential

ARTS 2356 Photography I (3 credits)

introduction to the basics of photography. Includes camera operation, techniques, knowledge of chemistry, and presentation skills. (3 lecture & 3 lab hours per week) [CB50.0605.5126]

ARTS 2357

and guides them in developing personal outlooks toward specific applications of the photographic process. (3 lecture & 3 lab hours per week) Prerequisite: ARTS 2356 [CB50.0605.5126] Photography II
(3 credits)
Extends the students' knowledge of technique

Watercolor I **ARTS 2366**

(3 credits)

Exploration of ideas using water-based painting media and techniques. (3 lecture & 3 lab hours per week) [CB50.0708.5326]

Astronomy

Joseph Mills Dora Devery, Department Chairperson

ASTR 1403 Stars and Galaxies

outside our solar system. Cross-listed as PHYS 1403. (3 lecture and 3 lab hours per week) [CB40.0201.5103] (4 credits)
Study of stars, galaxies, and the universe study of stars, galaxies, and the universe stars, galaxies, galaxie

ASTR 1404 Solar System (4 credits)

Study of the sun and its solar system, including its origin. Cross-listed as PHYS 1404. (3 lecture and 3 lab hours per week) [CB40.0201.5203]

Biology

Dwight Rhodes, Department Chairperson John Matula, Tommy Dan Morgan, Stephanie Havemann

BIOL1308

Biology for Non-Science Majors I (3 credits)

with an emphasis on humans, including chemistry of life, cells, structure, function and reproduction. (3 lecture hours per week). Prerequisite: TSI Met. [CB26.0101.5103] Provides a survey of biological principles

BIOL1309

Biology for Non-Science Majors II 3 credits

Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. (3 lecture hours per week). Prerequisite: TSI Met. [CB26.0101.5103]

BIOL 1322 Nutrition & Diet Therapy

This course introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, and absorption, and advertising, and nationally established guidelines are addressed. (3 lecture hours per week). Cross-listed with HECO 1322. per week). Cross [CB19.0501.5109] nutritional information including food labels, advertising, and nationally established metabolism. sources, digestion, absorption, bolism. Food safety, availability, and

Biology for Science Majors I BIOL1406

chemical properties of life, function, evolutionary ada Fundamental principles for living organisms will be studied, including physical and (4 credits) adaptation, organization

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reproduction, genetics, and scientific reasoning are included. (3 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CB26.0101.5103]

BIOL 1407 Biology for Science Majors II

studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. (3 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CB26.0101.5103] (4 credits)
The diversity and classification of life will be

BIOL 2306 Environmental Biology

(3 credits)
Principles

ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, hazards and risks, and approaches to ecological research. (3 lecture hours per week). Prerequisite: TSI Met [CB03.0103.5101] of environmental systems and

BIOL 2401

(4 credits) Anatomy and Physiology I

including cells, tissues and organs or including systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. (3 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CB26.0707.5103] Anatomy and Physiology I is the first part of a two course sequence. It is a study of the structure and function of the human body involved maintaining

BIOL 2402 Anatomy and Physiology II

development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, exploration of human system components and basic physiology. (3 lecture and 3 lab hours per week). Prerequisite: BIOL 2401. [CB26.0707.5103] provides a hands-on learning experience for maintaining homeostasis. lab

BIOL 2420 Microbiology for Non-Science Majors (4 credits)

importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical week). Prerequisites: Either BIOL1406 or BIOL 1407, or BIOL 2401, or BIOL 2402. [CB26.0503.5103] microbiology, infectious diseases, and public health. (3 lecture and 3 lab hours per week). Prerequisites: Either BIOL1406 or pre-nursing, pre-allied health, and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the immunology and is primarily directed This course covers basic microbiology and

Business Administration

BUSI 1301

Business Principles

challenges in environment, responsibility, a and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business Students will learn various aspects of business, management, and leadership functions; organizational considerations; systems, forms of business ownership, and considerations for running a business. (3 credits)

This course provides a survey of economic of business ownership. in everyday life. (3 lecture hours per week) [CB52.0101.5104] Emphasized is the dynamic role of business business ethics, social and international business. the legal and regulatory business ethics, social

Personal Finance **BUSI 1307**

3 credits

Personal and family accounts, budgets and

accounts, purpose, standards of living, renting or home standards of living, renting or home ownership, and wills and trust plans. (Crosslisted as HECO 1307) NOTE: This course is not part of the business field of study is not part of transfer toward a degree in and may not transfer toward a degree business. (3 lecture hours per week). [CB 19.0401.5109] budgetary control, bank accounts, charge accounts, borrowing, investing, insurance,

BUSI 2301 Business Law

(3 credits)

The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of the state systems, Constitution, state and federal legal the relationship of business and the is, the relationship between law and contracts, sales, torts, agency law

Chemistry

Dora Devery, Department Chairperson Brian Berger, Esther Kempen

Introductory Chemistry I **CHEM 1405**

(4 credits)

students. (3 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CB40.0501.5103] Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health

CHEM 1411 General Chemistry I 4 credits

coursework in chemistry within the last five years; at least high schol chemistry or CHEM 1405. (3 lecture and 3 lab hours per week). Prerequisites: MATH 1314. properties of gases and an introduction to thermodynamics and descriptive chemistry. It is recommended to have had previous of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, engineering; topics include measurements, fundamental properties of matter, states majors in the sciences, health sciences, and per week). Prer [CB40.0501.5403] Fundamental principles of chemistry for

General Chemistry II **CHEM 1412**

Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic (4 credits) Chemical 1411 before taking this course. (3 lecture and 3 lab hours per week) Prerequisite: CHEM 1411. [CB40.0501.5703] chemistry. It is recommended that a student receive a grade of a "C" or better in CHEM 1411 before taking this course. (3 lecture

CHEM 2423 (4 credits) Organic Chemistry I

Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, Emphasis is placed on organic synthesis

> reaction mechanisms, functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS. It is recommended that week). Prerequisite: [CB40.0504.5203] better in CHEM 1412 before taking this course. (3 lecture and 4 lab hours per PROGRAMS. It is recommended that a student receive a grade of a "C" or better in CHEM 1412 before taking this CHEM rs per 1412.

CHEM 2425 Organic Chemistry II (4 credits)

functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PREPROFESSIONAL PROGRAMS. It is recommended that a student receive a grade of "C" or better in BHEM 2423 before taking this course. (3 lecture and 4 lab hours per week). Prerequisite: CHEM 2423. nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on [CB40.0504.5203] Includes study of covalent and ionic bonding, organic will be studied, including the structure, properties, and reactivity of aliphatic and Advanced principles of organic chemistry synthesis and mechanisms.

Education Child Development /

Jeanine M. Wilburn, Department Chairperson

CDEC 1303
Family, School and Community

week). [CIP19.0706] populations. a variety of settings with varied and diverse with children from infancy through age 12 in Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours field experience and school. Includes parent education and involvement, family and community life issues. Course content is aligned with State Board of Educator Certification (3 credits)
Study of the child, family, community, lifestyles, child abuse, and current family (3 lecture and 1 lab hours per

Educating the Young Child CDEC 1311 (3 credits)

ethical and professional responsibilities, and current issues. Course content is aligned Pedagogy and Professional Responsibilities with State Board for Educator Certification theoretical appropriate young An introduction to the education of the child. and historical perspectives practices Includes and programs developmentally

> standards. Requires students to participate in a minimum of 16 hours of field experience with children from infancy through age 12 in a variety of settings with varied and diverse week). [CIP19.0706] pepulations. (3 lecture and 1 lab hours per

CDEC 1313 Curriculum Resources for Early

Childhood Programs (3 credits)

schedule including routines and transitions; and select, plan, implement, and evaluate developmentally appropriate learning experiences for children. (3 lecture hours and education programs for children birth through age eight. The student will define developmentally appropriate practices; per week). [CIP19.0709] curriculum development; develop guidelines prepare teacher roles in early childhood classrooms; for creating learning environments; describe describe the process design and implementation in early care developmentally appropriate curriculum study a of developmentally the fundamentals of child-centered (3 lecture hours appropriate

CDEC 1317 Child Development Associate Training I (3 credits)

skills in writing, speaking, teamwork, time management, creative thinking, and problem solving. (3 lecture and 1 lab hours per week). develop observation skills and summarize child growth and development; and utilize methods to advance physical and intellectual competence; describe the CDA process; study are creative, cognitive, physical, and communication. The student will identify observation skills, and child growth and development. The four functional areas of [CIP19.0709] Development Associate credential (CDA). Topics include CDA overview, Based on the requirements for the Child Development Associate credential

CDEC 1318

Wellness of the Young Child 3 credits

with children from infancy through age 12 in a variety of settings with varied and diverse populations. (3 lecture and 1 lab hours per week). [CIP19.0706] standards. Requires students to participate in a minimum of 16 hours field experience Pedagogy and Professional Responsibilities with State Board of Educator Certification and legal implications of relevant policies nutrition, titness, and safety practices. Focuses on local and national standards nutrition, Factors impacting the well-being of young children. Includes healthy behavior, food, regulations. Course content is aligned fitness, healthy behavior, and safety prac

CDEC 1319 Child Guidance (3 credits)

An exploration of guidance strategies for promoting prosocial behaviors with individual and groups of children. Emphasis on guidance techniques. (3 lecture hours per week). [CIP19.0709] influences on child guidance; and apply social skills; promotes autonomy, self-discipline, and proto child guidance; explain how guidance The student will describe theories related family involvement, and cultural influences positive guidance principles and techniques. identify familial and cultural

CDEC 1321 The Infant and Toddler (3 credits)

apply to infants and toddlers; outline growth and development of children from birth to age 3; analyze components of teacher/child interactions and positive guidance techniques; design learning environments; and select materials and activities for infants A study of appropriate infant and toddler programs (birth to age 3), including an overview of development, quality routines, learning environments, materials prenatal development and the birth process; discuss theories of development as they and activities, and teaching/guidance techniques. The student will summarize [CIP19.0709] toddlers. (3 lecture hours per week).

CDEC 1354

(3 credits) Child Growth and Development

factors impacting growth and development of children through adolescence. (3 lecture hours per week). Physical, emotional, social, and cognitive [CIP19.0706]

CDEC 1356

Emergent Literacy for Early Childhood (3 credits)

in promoting emergent literacy, and create literacy environments and experiences for children. (3 lecture and 1 lab hours per student will define literacy and An exploration of principles, methods, and materials for teaching language and literacy through a play-based integrated curriculum to children from birth through age eight. The week). [CIP19.0706] development; describe the teacher's role literacy; analyze theories 으 language emergent

CDEC 1358 Creative Arts for Early Childhood (3 credits)

visual arts, and dramatic play through An exploration of principles, methods, and materials for teaching music, movement,

process-oriented experiences to support divergent thinking for children birth through age eight. The student will define the creative process; describe developmental sequences of creative arts; analyze teacher roles in enhancing creativity; describe concepts taught through the creative arts; identify components of creative environments; and assess creative arts activities. (3 lecture and 1 lab hours per week). [CIP19.0709]

CDEC 1359 Children With Special Needs

mandates and their impact on practices and environments; explain the role of advocacy for children with special needs and their families; and identify materials and resources, including current technology, to support learning in all domains for each and every child. (3 lecture hours per week). [CIP19.0709] (3 credits)
(3 credits)
A survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, referral processes, the advocacy role, and legislative issues. The student will summarize causes, incidences and characteristics of exceptionalities related to the domains of identify appropriate community resources and referrals for individual children and families; identify legislation and legal and practices for intervention strategies; development; discuss current terminology intervention strategies, available resources

CDEC 1384
Cooperative Ed. In Child Development I

a lecture component. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes of the occupation and the business/industry. (1 lecture and 20 lab hours per week). Prerequisite: 6 hours of CDEC [CIP19.0706] safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology and legal systems associated with the occupation and the business/industry; and through an individualized agreement among the student's area of specialization offered Career-related activities encountered in will demonstrate legal and ethical behavior

CDEC 2307 Math and Science for Early Childhood (3 credits)

science concepts and process skills through Exploration of principles, methods, and materials for teaching children math and

> evaluate developmentally appropriate materials, equipment, and environments to support the attainment of math and science concepts and skills. (3 lecture and 1 lab promote critical thinking and problem-solving skills in children; plan discovery experiences discovery and play. The student will align the sequence of cognitive development to the acquisition of math and science using observation and assessment; and environments; develop strategies which its application to early care and education concepts; explain the scientific process and hours per week). [CIP19.0709]

CDEC 2322
Child Development Associate Training II (3 credits)

healthy, learning environment, self, social, and guidance. The student will explain methods to establish and maintain a safe, provide positive guidance; and utilize skills in writing, speaking, problem-solving, time management, and record keeping. (2 lecture and 4 lab hours per week). [CIP19.0709] development; describe techniques used healthy learning environment; describe ways to support social and emotional functional areas of study include safe Associate requirements continuation ation of the study of the six for the Child Development credential (CDA). The six

CDEC 2324

and professionalism. Describe methods to establish positive and productive relationships with families; explain methods to ensure a well-run, purposeful program responsive to participant needs; identify how Child Development Associate Training III (3 credits)
Continuation of the requirements for the Child Development Associate credential (CDA). The three functional areas of study include family, program management and professionalism. Describe methods and utilize skills in writing, speaking, problem-solving, time management, and record keeping. (2 lecture and 4 lab hours per week). [CIP19.0709] to maintain a commitment to professionalism and utilize skills in writing, speaking,

CDEC 2384

Cooperative Ed. In Child Development II (3 credits)

through an individualized agreement among the college, employer, and student. Under the supervision of the college and the the student's area of specialization offered tools, equipment, procedures, regulations, laws, and interactions within and among learning plan, apply the theory, concepts, and skills involving specialized materials, employer, the student combines classroom and legal systems associated with the political, economic, environmental, a lecture component. As outlined in learning with work experience. Includes Career-related activities encountered

CDEC 2426
Administration of Programs for Children I (4 credits)

and evaluating programs. Topics cover philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication. Student will develop an initial operational plan; identify the functions of an administrator, and evaluate an early care and education program. (3 lecture and 2 lab hours per week). [CIP19.0708] Includes planning, operating, supervising, and evaluating programs. Topics cover for early care and education programs Application of management procedures

CDEC 2428
Administration of Programs for Children II 4 credits

(3 lecture an [CIP19.0708] role in advocacy, describe interpersonal management skills; explain legal issues; and evaluate parent involvement strategies.

(3 lecture and 2 lab hours per week). management, advocacy, professionalism, fiscal analysis, technical applications in programs and planning parent education/ partnerships. Student will discuss codes of ethical conduct; explain the administrator's in managing early care and education programs, including legal and ethical issues, personnel management, team building leadership, conflict resolution, stress An in-depth study of the skills and techniques stress

EDUC 1301

(3 credits) Introduction to the Teaching Profession

schools with varied and diverse student populations; provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture standards; and includes 16 hours of field-experience in P-12 schools. (3 lecture and 1 lab hour per week) Prerequisite: TSI Met. [CB13.0101.5109] Pedagogy and Professional Responsibilities of schooling and classrooms; course content should be aligned as applicable with State Board for Educator Certification students interested in a teaching career, especially in high need fields; provides students with opportunities to participate in early field observations at all levels of P-12 An enriched integrated pre-service course and content experience that provides active recruitment and institutional support of

EDUC 2301 Introduction to Special Populations

Pedagogy, and Prefessional Responsibilities standards; and includes 16 hours of field-based in P-12 classrooms with special populations. (3 lecture & 1 lab hour per week). Prerequisite: EDUC 1301. [CB13.1001.5109] diversity and equity with an emphasis on factors that facilitate learning; provides students with opportunities to participate in early field observations of P-12 special populations; should be aligned as applicable with State Board for Educator Certification overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic, and academic socioeconomic status, ethnic, and academic school scho (3 credits)
An enriche and content enriched integrated pre-service course experience that provides an schooling and classrooms

Family, School and Community **TECA 1303** (3 credits)

lifestyles, child abuse, and current family life issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with of 16 hours of field experiences. (3 lecture and 1 field experience hour per week). students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse Prerequisite: TSI Met. [CB13.0101.5209] populations. The course includes a minimum children from birth through age eight. Requires of Young Children position statement related the National Association for the Education to developmentally appropriate practices for and involvement, family and community and schools, including parent education A study of the child, family, community,

Educating Young Children TECA 1311 (3 credits)

professional responsibilities, and current issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with populations; and the course includes a minimum of 16 hours of field experiences. (3 students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse Prerequisite: TSI Met. [CB13.1202.5109] lecture and 1 field experience hour per week) children from birth through age eight. Requires of Young Children position statement related the National Association for the Education child, including developmentally appropriate practices and programs, theoretical to developmentally appropriate practices for An introduction to the education of the young historical perspectives, ethical and programs,

TECA 1318

Wellness of the Young Child (3 credits)

a variety of settings with varied and diverse populations. Course includes a minimum of 16 hours of field experiences. (3 lecture and 1 field experience hour per week). Prerequisite: TSI Met. [CB13.01015309] the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth to age eight. Requires students to participate in field experiences with children from infancy through age 12 in of the young child including healthy behavior, food, nutrition, fitness, and safety practices. as applicable with State Board for Educator legal implications of relevant policies and regulations. Course content must be aligned Focuses on local and national standards and Responsibilities standards and coincide with Certification Pedagogy and Professiona A study of the factors that impact the well-being

TECA 1354

Child Growth and Development 3 credits)

A study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence. Corequisite: TSI Met. [CB13.1202.5209] (3 lecture hours per week)

Communications

Mark Moss, Jason Nichols William C. Lewis, Department Chairperson

COMM 1307

(3 credits) Introduction to Mass Communication

and influences on society. (3 per week). [CB09.0102.51 06] Survey of basic content and structural elements of mass media and their functions (3 lecture hours

COMM 1318 Photography I

3 credits

(Cross-listed as ARTS 2356)

including techniques and equipment operation. Photographic equipment provided (2 lecture and 4 lab hours per week). CIP 50.0605.5126] Introduction to the basics of photography, including techniques and equipment

COMM 1319 Photography II

3 credits

(Cross-listed as ARTS 2357)

introduction to DSLR technology in video applications of the photographic process. An developing personal outlooks toward specific knowledge of technique and guides them course extends the students

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Course Descriptions

equipment provided. (2 lecture and 4 lab hours per week). Prerequisite: COMM 1318 or ARTS 2356. [CIP 50.0605.5226] applications will be included. Photographic

Video Production I **COMM 1336**

(3 credits)

needs. (2 lecture and 4 lab hours per week). Practical experience in the operation of studio and [CB10.0202.5206] control room equipment,

COMM 1337 Video Production II

(3 credits)

Practical experience in the operation of television studio, control room equipment both pre- and post-production needs. (2 lecture and 4 lab hours per week). and field production equipment and includes [CB10.0202.52 06]

COMM 2303

Audio Production (3 credits)

audio equipment, including both pre- and post-production needs. (2 lecture and 2 lab hours per week) [CB10.0202.51 06] Practical experience in the operation of

Media Writing **COMM 2311**

(3 credits)

Includes instruction in professional methods and techniques for gathering, processing, and delivering content. (2 lecture and 4 lab hours hours per week) [CB09.0401.57 06] Fundamentals of writing for the mass media

COMM 2324

Practicum in Electronic Media

3 credits

Lecture and lab instruction and participation. (1 lecture and 5 lab hours per week) [CIP 09.0701.5306]

COMM 2327

Introduction to Advertising

(3 credits)

week). [CIP 09.0903.51 06] theory and strategy, copywriting, design, and selection of media. (3 lecture hours per **Fundamentals** of advertising including

COMM 2331

Radio/Television Announcing

(3 credits)

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Principles of announcing: study of voice, pronunciation and delivery.

Experience in various types of announcing. Study of phonetics is recommended. (3 lecture hours per week). [CB 09.0701.54 06]

COMM 2332

(3 credits) Radio/Television News

hours per week) [CB09.0402.52 06] Preparation and analysis of news styles for the electronic media. (2 lecture and 4 lab the electronic

COMM 2366 Introduction to Cinema

film techniques, production procedures, selected motion pictures, and cinema's (3 credits)
Survey and analyze cinema including history, impact on and reflection of society. (2 lecture and 4 lab hours per week). [CB50.0602.51 26] cinema's

Radio Experience I **RTVB 1150**

(1 credit)

and announcing by broadcasting on a radio station. (4 lab hours per week). Laboratory experience in radio operation

[CIP 09.0701]

Radio Experience I **RTVB 1250**

2 Credits)

Lab experience in radio operation and announcing by broadcasting on a radio station. (1 lecture & 2 lab hours per week)

[CIP 09.0701]

Broadcast News Writing RTVB 1301

week). [CIP09.0701] broadcast. instruction in the writing of news copy for broadcast. (2 lecture and 4 lab hours per (3 credits)

RTVB 1309

Audio/Radio Production I

Concepts and techniques of sound production including basic recording, mixing, and editing techniques. (2 lecture and 2 lab hours per week) [CIP09.0701] (3 credits)

RTVB 1321 TV Field Production

(3 credits)
Pre-production, Pre-production, production, and post-production process involved in field television production. Topics include field camera production. Topics include field camera setup and operation, field audio, television editing with an emphasis on underlying principles of video technology. (2 lecture and 4 lab hours per week) [CIP09.0701] directing, and in-camera or basic continuity

RTVB 1325
TV Studio Production

(3 credits)

Basic television production planning and techniques including video, audio and lighting equipment commonly used in a studio. (2 lecture and 4 lab hours per week) [CIP09.0701]

RTVB 1329

Scriptwriting

public lab hours per week) [CIP09.0701] Emphasizes format and style for commercials. Writing scripts for film and electronic media (3 credits) news, and documentaries. service announcements, promoservice and another service and another services. promos

RTVB 1355 Radio and Television Announcing

and pronunciation. Includes preparation for on air and voice over positions. (2 lecture and 4 lab hours per week) [CIP09.0701] as voice quality, articulation, enunciation, (3 credits) Radio and television announcing skills such

Cooperative Education - Radio and RTVB 1380,1381, 2380, 2381

Television

the supervision of the college and the through an individualized agreement among the student's area of specialization offered the college, employer, and student. Under Career-related activities encountered in (3 credits) employer, the student combines classroom nours per week) . [CIP09.0701] learning with work experience. Includes a lecture component. (1 lecture and 20 lab

RTVB 1391

Broadcasting Special Topics in Radio and Television

(3 credits)

events, occupation and relevant to the professional and behaviors pertinent to the technology or Topics address recently identified current lab hours per week) [CIP09.0701] development of the student. (2 lecture and 4 skills, knowledge, and/or attitudes

RTVB 2250

Radio Experience II

(2 credits)

and announcing by broadcasting on a radio station. (4 lab hours per week). Advanced lab experience in radio operation

[CIP 09.0701]

lab hours per week) [CIP09.0701] down recording techniques. (2 lecture and 4 processing systems, and multi-track mixand editing. Includes digital editing, sound Advanced concepts in audio/radio recording

RTVB 2337
TV Production Workshop I (3 credits)

(2 lecture a [CIP09.0701] for location or studio shoots adhering to deadline and quality control restrictions. Design and production of video content and 4 lab hours per week)

Portfolio Development **RTVB 2340** (3 credits)

COMM 2311 [CIP 09.0701] suitable for employment in hours per week) Prerequisite: RTVB 1301 or in the last semester. (1 lecture and industry. This course is intended to be taken Preparation and presentation of a portfolio the media 7 lab

Technology Computer Information

Dianna Smith, Department Chairperson Cathy LeBouef, Richard Melvin

beginning of the semester. to contact their instructor(s) at the taking a computer internet course(s) It is the responsibility of all students

students use the same software that is used at ACC. The student accepts the responsibility of installing the necessary College software and creating the necessary files. Internet students taking a computer laboratories when space is available. programming course have access to the available. computer laboratories when space a computer course have access to the and examples. Internet students students to that is being used at Alvin Community the same textbook and software version course, it is necessary for students to use In the BCIS 1305 or COSC 1301, Internet Technology Department. This allows 'n locate correct assignments Computer internet programming Information taking

BCIS 1305

Business Computer Applications

presentation graphics, and business-oriented utilization of the Internet. (2 lecture and 4 lab hours per week). **[CB 11.0202.5204]** course is on business productivity software applications and professional behavior business (3 credits)
Students will study computer terminology, computing, including word processing needed), spreadsheets, databases, and software related to the environment. The focus of this

BCIS 1405

Business Computer Applications (4 credits)

course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. (3 lecture and 3 lab hours per week). [CIB11.0202.5404] business environment. The focus of this hardware, and software related to Students will study computer terminology,

COSC 1301 Introduction to Computing (3 credits)

and 4 lab hours per week). [CB 11.0101.5107] presentation graphics, and business-oriented utilization of the Internet. (2 lecture course is on business productivity software Students will study computer terminology, hardware, and software related to the business environment. The focus of this (as needed), in computing, including word processing applications and spreadsheets, databases professional behavior

COSC 1420 Computer Programming -- C++

of structured programming in the "C++" language. Topics include data types; control structures; functions, structures, arrays, pointers, pointer arithmetic, unions, and files; the mechanics of running, testing, and debugging programs; introduction to programming; and introduction to the historical and social context of computing. (3 lecture and 3 lab hours per week). Prerequisite: NCBM 0200 or MATH 0309, and BCIS 1305 or COSC 1301 or COSC and BCIS 1300 or CCC 1415. [CB 11.0201.5207] Introduces (4 credits) the fundamental concepts the "C++"

COSC 1430

Computer Programming - JAVA (4 credits)

various programming languages. Emphasis on the fundamentals of structured design, Introduction to computer programming in

development, testing, implementation, and documentation. Includes coverage of language systax, data and file structures, input/output devices, and disks/files. (3 lecture and 3 lab hours per week). Prerequisite: BCIS 1420 or 1431, or COSC 1420 or 1436 or 1437 or ITSE 1407 or 1422 or 1431. [CB11.0201.5207]

COSC 1436

Programming Fundamentals I - C++ (4 credits)

development methodology, datatypes, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course is included into the Field of Study Curriculum for Computer Science. (3 lecture and 3 lab hours per week) Prerequisite: BCIS 1305 or COSC 1301 or 1415. [CB11.0201.5507] structured programming using C++ and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software to the contract of the contract Introduces the fundamental concepts

COSC 1437

(4 credits) Programming Fundamentals II - JAVA

programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design using JAVA. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. (3 lecture and 3 lab hours per week). Prerequisite: COSC 1436 [CB11.0201.5607] This course focuses on the object-orientec

Course Descriptions

Data Structures COSC 2315

(3 credits) Further

techniques. Topics may include file access methods, data structures and modular programming, program testing and documentation, and other topics not normally covered in an introductory computer programming course. (3 lecture hours per week). Prerequisite: COSC 1420 or COSC 1437 or ITSE 1407. [CB11.0201.5307] applications of programming may include file

COSC 2425

Computer Organization and Machine

Language (4 credits)

assembler, loader, macros, subroutines, and program linkages. (3 lecture and 3 lab hours per week). Prerequisite: BCIS 1420 or 1431 or COSC 1420 or 1436 or 1437 or ITSE digital representation of data and instructions; 1407 or 1422 or 1431. [CB11.0201.5407] assembly Basic computer organization; machine cycle language programming

COSC 2436
Programming Fundamentals III - Oracle (4 credits)

structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. (3 lecture and 3 lab hours per week) Prerequisite: COSC 1437. techniques, introduction the fundamental concepts of data structures and algorithms. [CB11.0201.5707] Topics include recursion, fundamental data applications plications of introduction the programming ne fundamental

GAME 1436

(4 credits Introduction to 3-D Game Modeling

time game editor. Includes techniques for building, texturing, and lighting a game level to function in real-time. (3 lecture and 3 lab hours per week) . [CIP 10.0304] Architectural spaces and modeling in a real-time game editor. Includes techniques for

GAME 2409 Video Game Art II

(4 credits)

art assets. Utilizes tools and advanced techniques in the creation of assets for a game engine. 2D and 3D graphics, sound, and animation. Includes object-oriented design of games, discrete event simulation and state machines, management of game time, and game Graphical User Interface implementation. (3 lecture and 3 lab hours per week). Prerequisite: GAME 1436. [CIP 10.0304] A study of industry-used, game-art techniques and its applications of game

IMED 2415

Web Design (4 credits)

A study of mark-up language advanced layout techniques for creating web pages. Emphasis on identifying the target audience and producing web sites according to accessibility standards, cultural appearance, and legal issues. (3 lecture and 3 lab hours per week) [CIP 11.0801]

ITMT 1302 Windows Seven Configuration

and deployment of application, with hand-on experience. (2 lecture and 2 lab hours per week). [CIP 11.0901] network connectivity; setup of external devices; optimization and customization; accounts and permissions; security features; A study of Windows Seven operating system; installation, configuration, and troubleshooting; file management; users (3 credits) of Windows Seven operating

Windows Server 2008 Network (3 credits) Infrastructure Configuration

Internet Protocol (IP) addressing, network services and security. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 1302. A course in Windows Server 2008 networking installation, shooting of

ITMT 2302

Configuration Windows Server 2008 Active Directory (3 credits)

management within an enterprise network environment. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 1302.

[CIP 11.0901] Windows Server 2008. Concepts of resource study of Active Directory Service on

Windows Server 2008 Applications
Infrastructure Configuration
(3 credits)
A course in the installation configuration

A course in the installation, configuring, maintaining, and troubleshooting of an Internet Information Services (IIS) 7.0 web server and Terminal Services in Windows Server 2008. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 2301 or ITMT 2302. [CIP 11.0901]

Windows **ITMT 2351**

Administrator Server 2008: Server

(3 credits)

technology (IT) professional to implement, monitor and maintain Windows Server 2008 servers. (2 lecture & 2 lab hours per week). [CIP 11.0901] server Knowledge and skills for the entry-level administrator 9 information

TMT 2356

Administrator Windows Server 2008: Enterprise

(3 credits)

technical IT requirements for network services. (2 lecture & 2 lab hours per week). Prerequisite: ITMT 2302. [CIP 11.0901] Infrastructure that meets business and Windwos Server 2008 Enterprise Network capstone course in the design of

ITNW 1313

Computer Virtualization

(3 credits)

installation, configuration, and management clients of servers in a networked computing environment. This course explores implement and support virtualization of

of computer virtualization workstation and servers. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 1302. [CIP 11.0901]

ITNW 1325

Fundamentals of Networking (3 credits)

hardware and software. (2 lecture and 2 lab hours per week). Prerequisite: ITNW-1358. instruction in networking technologies and their implementation. Topics include the

ITNW 1353

(3 credits) Supporting Network Server Infrastructure

Installing, configurion suporting a network infrastructure; integrate network services; and deploy operating systems using remote installation services. (2 lecture and 2 lab and configure DHCP, DNS, remote access, network security using public key hours per week). Prerequisite: ITMT 1302
[CIP 11.0901] configuring, manager infrastructure. managing, and Install

ITNW 1354

(3 credits) Implementing and Supporting Servers

servers; configure directory replication; manage licensing; create and manage system policies and profiles; administer remote servers and disk resources; resolve configuration problems. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 1302. [CIP 11.0901] interoperability; install and configure Remote Access Service (RAS); and identify and monitor performance bottlenecks and create and share resources; implement fault- tolerance; configure servers for Configure peripherals and devices; set up

ITNW 1358

Network+

(3 credits)

Prepares individuals for a career as a Network Engineer in the Information Technology support industry. Includes the various responsibilities and tasks required for service engineer to successfully perform in a specific environment. Prepares individuals to pass the Computing Technology Industry Association (CompTIA) Network+certification exam. (2 lecture & 2 lab hours per week). [CIP 11.0901]

Networking with TCP/IP

(3credits) Set up, configure, use, and support

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utilities to manage and troubleshoop IP networks. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 1302. IP addressing; explain subnets and supernets; and use network management utilities to manage and troubleshoop IP Protocol (TCP/IP) on networking operating systems. Configure IP addressing and routing; design and implement a domain name server; implement static and dynamic [CIP 11.0901] Transmission Control Protocol/Internet

ITSC 1301/1401 (3 credits/4 credits) Introduction to Computers

computer careers; identify fundamental programming structures; identify ethical use of computers; and use basic operating of computers; and use basic operating system functions. (2 lecture and 4 lab hours per week / 3 lecture and 4 lab hours per week) Prerequisite: TSI Met. [CIP 11.0101] identify the components of a computer system; use common applications; explain the impact of computers on society; identify

Introduction to PC Operating Systems ITSC 1305 (3 credits)

management, control of peripheral devices, and use of utilities. (2 lecture and 2 lab hours per week). [CIP 11.0101] systems including installation, configuration, file management, memory and storage introduction to personal computer operating storage

(3 credits) Current p ITSC 1325 Personal Computer Hardware

[CIP 47.0104] configuration, and troubleshoot lecture and 2 lab hours per week) including personal computer hardware assembly, upgrading, se on, and troubleshooting.

(4 credits) Internet/Web Page Development

and the introduction to web page design and development. (3 lecture and 3 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CIP 11.0104] Instruction in the use of Internet concepts

Introduction to Visual BASIC **ITSE 1331**

and documentation. Includes language syntax, data and file structures, input/output development, fundamentals using Visual BASIC. Introduction to (3 credits) Programming testing, 으 computer programming structured Emphasis on implementation, design,

> per week). Prerequisite: NCBM 0200 or MATH 0309, and BCIS 1305 or COSC 1301 or 1415. [CIP 11.0201]

ITSE 1491

Programming – Computer Programming Special Topics in Computer (4 credits)

programming. (3 lecture and 3 lab hours per week). Prerequisite: NCBM 0200 or MATH 0309, and BCIS 1305 or COSC 1301. [CIP 11.0201] This course is an introduction to computer

(3 credits) Further a **Advanced Visual BASIC Programming ITSE 2349**

and modular programming, program testing and documentation. (2 lecture and 4 lab hours per week). Prerequisite: ITSE 1331. [CIP11.0201] Further applications of programming techniques using Visual BASIC. Topics include file access methods, data structures

ITSE 2387

Internship - Computer Programming (3 credits)

are directly related to specific occupational outcomes. This may be a paid or unpaid experience. (20 lab hours per week). Prerequisite: At least 3 of the following: (BCIS 1420 or COSC 1436 or ITSE 1422) or (BCIS 1431 or ITSE 1431) or (COSC 1420 or COSC 1437 or ITSE 1407) or (COSC 1430 or COSC 2436 or ITSE 2417) or (IMED 2415 or ITSE 2402). [CIP 11.0201] and documented by the college and that achieves objectives that are developed the educational institution and a business involving a written agreement between an advanced student in a specialized field An experience external to the college for a workplace employee, the student industry. Mentored and supervised

(4 credits) Intermediate Web Programming **ITSE 2402**

Topics may include server side include (SSI), Perl, HTML, Java, Javascript, and/ or ASP. (3 lecture and 2 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CIP11.0801] Intermediate applications for web authoring.

ITSE 2409

Database Programming (4 credits)

programming database str database access. (3 lecture and 3 lab hours Application development using database structures, techniques emphasizing modeling,

per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CIP11.0802]

TSE 2413 Web Authoring

(4 credits)

technologies and authoring tools. (3 lecture and 3 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CIP11.0801] pages that incorporate text, graphics, and other supporting elements using current Instruction in designing and developing web

Advanced C++ Programming **ITSE 2431**

techniques including file access, abstract data structures, class inheritance, and other advanced techniques. Develop well documented programs containing complex data structures, incorporate complex input/ and objects in programs; and incorporate advanced C++ techniques. (3 lecture and 3 lab hours per week). Prequisite: COSC 1420, COSC 1437, or ITSE 1407. out file handling techniques; create classes [CIP11.0201] (4 credits)
Further application of C++ programming

ITSW 1404

[CIP11.0301] use formatting features; and generate charts, graphs, and reports. (3 lecture and 3 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. concepts, procedures, and application of electronic spreadsheets. This course will identify spreadsheet terminology and concepts; create formulas and functions; Introduction to Spreadsheets
(4 credits)
This course is an instruction

Information Technology Security **ITSY 1342** (3 credits)

importance of appropriate planning and administrative controls is also discussed. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 2301 or ITMT 2302. [CIP11.1003] specific to the field of information security are discussed. Identification of exposures and vulnerabilities and appropriate availability, integrity, accuracy, and confidentiality. Vocabulary and terminology countermeasures are information security goals and appropriate addressed. The

devices, and files. (2 lecture and 4 lab hours

Court Reporting

Karen Downey, Robin Scott, Sheila Skidmore Micki Kincaide, Department Chairperson Karen Downey, Robin McCartney, Roland

CRTR 1202

Law and Legal Terminology (2 credits)

systems (discovery, trial and appellate processes), and the legal terms used in court reporting. (1 lecture and 4 lab hours per week). Prerequisite: TSI Met. [CIP22.0303] Instruction in civil and criminal judicia

CRTR 1207
Machine Shorthand Speedbuilding (60-80) (2 credits)

[CIP22.0303] standards. (1 lecture a per week) Prerequisite: practice, and transcription. This course is designed to be repeated to meet program shorthand skills through read-back, machine Continued development of and 4 lab lite: CRTR real-time 1304

CRTR 1208 Realtime Court Reporting I

(2 credits)

shorthand skills necessary for writing real-time for production of projects and assignments. (1 lecture and 4 lab hours per week). Prerequisites: CRTR 1214, CRTR 1306. [CIP22.0303] Development of computer and machine

Court Reporting Technology I (2 credits)

transcript. (1 lecture and 4 lab hours per week). Prerequisite: TSI Met. [CIP22.0303] aided transcription, including proofreading of rough drafts and production of the finished systems based on computer- compatible processing, videotaping, and computerdictation, and practical applications of word Introduction to computer-aided transcription The course includes lectures

Literary/Jury Charge Dictation I (100-120) **CRTR 1257**

to be repeated to meet program standards. The student's objective is to pass dictated tests at 100 and 120 wpm. (1 lecture and 4 lab hours per week.) Prerequisite: CRTR (2 credits)
Skills necessary to develop speed and lab hours per week.) 1304. **[CIP22.0303]** jury charge dictation. This course is designed accuracy in writing and transcribing literary/

CRTR 1259
Literary/Jury Charge Dictation II (140-160)

(2 credits) Continued transcribing literary/jury charge dictation. (1 lecture and 4 lab hours per week.) Prerequisite: CRTR 1306 [CIP22.0303] for speed and accuracy in writing and skill development necessary

CRTR 1304

Machine Shorthand I (Theory) (3 credits)

course is designed to be repeated to meet program standards. (1 lecture and 8 lab hours per week). Prerequisite: TSI Met machine through read-back of machine shorthand theory and skill building Instruction in general principles of real-time [CIP22.0303] practice, and transcription Prerequisite: dictation notes This

CRTR 1306

Machine Shorthand II (60-80-100)

(3 credits) Continued pass tests at 60 wpm, 80 wpm, and 100 wpm. (1 lecture and 8 lab hours per week). Prerequisites: CRTR 1304, TSI Met. standards. designed to be repeated to meet program shorthand skills through read-back, machine practice and transcription. This course is [CIP22.0303] development The student's objective is 으 real-time to

Court Reporting Communications I (3 credits) **CRTR 1312**

spelling, punctuation, capitalization, and proofreading skills as they apply to the court reporting (2 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CIP22.0303] Study of the basic rules of English grammar,

Captioning Reporting I **CRTR 1346** (3 credits

captioning software and hardware. (2 lecture and 3 lab hours per week.) Prerequisite: CRTR 2301. [CIP22.0303] the procedures for operation of real-time/ etc.), utilizing real-time/caption equipment procedures. vocabulary (legal, medical, media, education, Introduction psychology Topics include specialized ð for writing real-time, real-time/captioning and

Medical Court Reporting (2 credits) **CRTR 2206**

in court reporting. Topics reporting transcription t Introduction to medical terms and anatomy techniques include medica and

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student's knowledge of the components in building a medical vocabulary and the application thereof. (1 lecture and 4 lab hours per week). Prerequisite: TSI Met, CRTR 1304 [CIP22.0303] and exercises designed student's knowledge of t transcripts. Lectures, study guides, tests, production of machine shorthand medical ō ensure the

CRTR 2217 Technical Dictation

(2 credits)

Skill development in writing and researching medical and technical material. (1 lecture and 4 lab hours per week). Prerequisite: CRTR 2301. [CIP22.0303]

(CSR/RPR) (2 credits) CRTR 2231
Court Reporter Certification Preparation

the use of mock examinations. This c is designed to be repeated. (1 lecture lab hours per week). Prerequisites: (2303. [CIP22.03033 Professional Reporter examinations through Preparation for taking the Texas Certified Shorthand Reporter and the Registered This course

CRTR 2301

(3 credits) Intermediate Machine Shorthand (120-140)

shorthand skills through read-back, machine practice, and transcription. This course is designed to be repeated multiple times to meet program standards. The student's objective is to pass dictated tests at 120 and 140 wpm. (1 lecture and 8 lab hours per week). Prerequisite: CRTR 1306. per week). [CIP22.0303] Continued development of real-time machine

CRTR 2303

(3 credits) Advanced Machine Shorthand (160-180)

shorthand standards are met. The student's objective is to pass tests at 160 and 180 wpm. (1 lecture and 8 lab hours per week). Prerequisite: CRTR 2301. [CIP22.0303] transcript production. This course may be repeated multiple times until machine in-depth coverage of real-time machine shorthand theory and continued skill building through read-back machine practice, and transcript production. This course may

CRTR 2311

Court Reporting Communications II (3 credits)

in-depth coverage of grammar, spelling punctuation, capitalization, vocabulary and proofreading skills necessary to produce transcripts. The student is given unedited copy to edit and proof read. (2 lecture hours and 3 lab hours per week). Prerequisites: TSI Met, CRTR 1312. [CIP22.0303]

(3 credits) CRTR 2312 Court Reporting Procedures

Prerequisite: [CIP22.0303] Instruction in the role of the court reporter court proceedings and/or depositions, lecture and 3 lab hours per week, erequisite: CRTR 2301 and CRTR 1208

CRTR 2313
Court Reporting Technology II (Scopist) (3 credits)

and assembly of a computer-aided transcription system, including the computer functions necessary for transcript production. (2 lecture hours and 3 lab hours per week). Prerequisites: CRTR 1304, CRTR 1214 Prerequisites: [CIP22.0303] Instruction in the operation, maintenance

(3 credits) CRTR 2333 Captioning Reporting II

in-depth study of real-time/captioning. Topics include the techniques utilized in writing seminars, conferences, and conventions and in the broadcast environments. Emphasis is placed on off-line and on-line captioning. The course includes extensive supervised community interaction. (2 lecture and 3 lab hours per week). Prerequisite: CRTR 1346. [CIP22.0303]

CRTR 2335
Accelerated Machine Shorthand (200-225)

transcription. This course may be repeated multiple times until machine shorthand standards are met. The student's objective is to pass dictated tests at 200 and 225 wpm. (1 lecture and 8 lab hours per week.) Prerequisite: CRTR 2303. [CIP22.0303] (3 credits)
Mastery of high-speed dictation including read-back, machine practice, and

CRTR 2380

Court Reporter (Scopist) Cooperative Education - Court Reporting/

(3 credits)

reporters, general office procedures utilized in reporting firms, and the methods used in binding and preparing the final transcript for delivery. (1 lecture and 20 lab hours per week). Prerequisite: CRTR 1214, CRTR employer, the student combines classroom learning with work experience. Includes a lecture component. This course is designed for students pursuing the Court Reporting Scopist Certificate. The student delivery. (1 received). Prerequisite: the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the 2311. [CIP22.0303] will gain experience in scoping transcripts for Career-related activities encountered

CRTR 2381
Cooperative Education - Court Reportint/
Court Reporter

(3 credits)

student recounting his/her experiences on the job. The student will keep a record of actual machine writing hours. (1 lecture and 20 lab hours per week). Prerequisites: CRTR 2303 and CRTR 1214. [CIP22.0303] a lecture component. The student may begin the cooperative upon completion of all 180 wpm requirements, and the student will achieve a minimum of 40 actual saleable transcript of no less than 50 pages (unpaid work). A journal will be kept by the writing hours with a court reporter on job assignments. The student will produce a the college, employer, and student. Under the supervision of the college and the learning with work experience. employer, the student combines classroom through an individualized agreement among the student's area of specialization offered Career-related activities encountered in Includes

Criminal Justice

Jeff Gambrell Craig Fos, Department Chairperson

CJCR 1304

(3 credits) **Probation and Parole**

operation of probation and parole services. Emphasis on applicable state statutes and administrative guidelines. (3 lecture hours per week). [CIP43.0113] A survey of the structure, organization, and

CJCR 2324

community in contract for administration of community programs; legal issues; future trends in community treatment. (3 lecture hours per week). [CIP43.0102] An introductory study of the role of community in corrections; commu Community Resources in Corrections (3 credits) Tech Prep/Dual Credit only adults and invert

Basic Firearms CJLE 1211

rilearm safety, cleaning and care techniques, proper shooting principles, and firearm proficiency. This course was designed to be repeated multiple times if content varies. (1 lecture hour / 2 lab hours) Prerequisites: Approval from Department Chair and enrollment in the Police Academy. [CIP43.0107] (2 credits) Firearm

Justice **CJLE 1327** Interviewing & Report Writing for Crim

interviewing, note-taking, and report writing (3 credits) nstruction and skill development

> suspects properly. Organization of information regarding incidents into effective written reports. (3 lecture hours per week) [CIP43.0107] in the criminal justice context. Development of skills to conduct investigations by

CJLE 1506 Basic Peace Officer I

(5 credits)
Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer II, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. (3 lecture hours lab hours) Prerequisites: Approval fr Department Chair and enrollment in Police Academy. [CIP43.0107]

CJLE 1512 Basic Peace Officer II 5 credits

Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Academy. (3 lecture hours / 6 lab hours) Prerequisites: Approval from Department Chair and enrollment in the Police Academy [CIP43.0107]

Basic Peace Officer III **CJLE 1518** (5 credits)

Course Descriptions

[CIP43.0107] Should be taken in conjunction with Basic Peace Officer I, II, IV, and V (supplement) to satisfy the Texas Commission on Law Chair and enrollment in the Police Academy Prerequisites: Approval from Department Enforcement approved Basic Peace Office Academy. (3 lecture hours / 6 lab hours) Basic preparation for a new peace officer. Officer

Basic Peace Officer IV CJLE 1524

(5 credits)

Peace Officer I, II, III, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. (3 lecture hours / 6 lab hours) Prerequisites: Approval from Police Academy. [CIP43.0107] Department Chair and enrollment in the Should be taken in conjunction with Basic Basic preparation for a new peace officer

Vice and Narcotics Investigation

(3 credits)

dangerous drugs, gambling, sex crimes Classifications of commonly used narcotics,

[CIP43.0107] techniques. Includes proper interdiction procedures and fraud, gangs, and investigative techniques (3 lecture hours per week).

(4 credits) Study of 1 Texas Peace Officer Procedures

Course #1011. Requires the approval of the Dept. Chair. (3 lecture and 4 lab hours per vehicle operation, traffic direction, crowd control, and jail operations. Partially satisfies Texas Commission on Law Enforcement used by police officers on patrol. Includes week).[CIP43.0107] investigation, note taking and report writing handling abnormal persons, traffic collision controlled of the techniques and procedures substance identification

(4 credits) Texas Peace Officer Law

Texas Alcoholic Beverage Code, and civil liability. Partially satisfies Texas Commission on Law Enforcement (TCLE) Course #1011. Requires the approval of the Dept. Chair. Study of laws directly related to police field work. Topics include Texas Transportation elements of crimes, Texas Family Code [CIP43.0107] Code, intoxicated driver, Texas Penal Code lecture and 4 lab hours per week).

Texas Peace Office Capstone

(4 credits)

objectives pertinent to a law enforcement career. This class is the capstone course of Texas Commission on Law Enforcement Course #1011. (3 lecture hours and 4 lab hours per week) [CIP43.0107] Commission on Law Enforcement learning that are components of the knowledge, and/or attitudes and behaviors Recently identified current events, skills, lexas

CJSA 1308

Criminalistics I

(3 credits)

crime including location, identification, and handling of evidence for scientific analysis. and technical methods in the investigation of (3 lecture hours per week). [CIP43.0104] Topics include the application of scientific Introduction to the field of criminalistics.

CJSA 1325 (Tech Prep/Dual Credit Only) Criminology

3 credits

pertaining to crime and criminal behavior Current theories and empirical research

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and its causes, methods of prevention, systems of punishment, and rehabilitation. (3 lecture hours per week).

[CIP43.0104]

CJSA 1342 (Tech Prep/Dual Credit only)
Criminal Investigation (3 credits)

preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation. (3 lecture hours per week) preservation [CIP 43.0104] Investigative theory; collection and

CJSA 1351

Use of Force

(3 credits)

the use of force, force options, deadly force, and related legal issues. Fulfills the Texas Commission on Law Enforcement Use of Force Intermediate Certificate requirement. introduction to and statutory authority for (3 lecture hours per week). [CIP43.0104] 으

CJSA 2323 Criminalistics II

Theory and practice of crime scene investigation. Topics include report writing, blood and other body fluids, document examination, etchings, casts and molds, (3 credits)
Theory ar glass fractures, use of microscope, and firearms identification. (2 lecture and 4 lab hours per week). Prerequisite: CJSA 1308 or CRIJ 2314 or Instructor Approval. [CIP43.0104]

CJSA 2332 Criminalistics III

(3 credits)
A study criminalistics procedures. Topics include crime scene investigation, collecting and preserving evidence, and testifying in court. (2 lecture and 4 lab hours per week).
Prerequisite: CJSA 2323 or Instructor criminalistics Approval. [CIP43.0104] 으 the practical aspects 0

CJSA 2364, CJSA 2365
Practicum - Criminal Justice/Safety
Studies

(3 credits)

practicum course per semester. (21 external hours per week). [CIP43.0104] student. developed by the employer, supported by an individualized learning plan Practical. Student may enroll in only one general workplace college, training and

CRIJ 1301

Introduction to Criminal Justice 3 credits

extent, and impact of crime; criminal law; and justice agencies and processes. (3) criminal justice system, This course provides a historical and philosophical overview of the American lecture hours per week). [CB43.0104.5124] including the nature,

CRIJ 1306
Court Systems and Practices

(3 credits)

This course is a study of the court system as it applies to the structures, procedures, practices and sources of law in American courts, using federal and Texas statutes and case law. (3 lecture hours per week). [CB22.0101.5424]

CRIJ 1307 Crime in America

crime problems

in historical

the use of force including perspective, social and public policy factors affecting crime, impact and crime trends, social characteristics of specific crimes, and prevention of crime. (3 lecture hours per week). [CB45.0401.5225] American (3 credits)

CRIJ 1310

Fundamentals of Criminal Law

(3 credits)

This course is the study of criminal law including application of definitions, statutory elements, defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability. (3 lecture hours per week). [CB22.0101.5324]

CRIJ 1313

Juvenile Justice System

(3 credits)

[CB43.0104.5224] delinquency. (3 lecture hours per week) agencies, A study of the juvenile justice process to include specialized juvenile law, role of the juvenile law, role of the juvenile courts, role of police agencies, role of correctional and theories concerning

CRIJ 2301

Community Resources in Corrections (3 credits)

[CB43.0104.5324] administration of community programs; legal issues; future trends in community treatment. (3 lecture hours per week) programs community An introductory study of the role of the for corrections; adults and community juveniles;

CRIJ 2313

Correctional Systems and Practices (3 credits)

[CB43.0104.5424] and rehabilitation; populations served; Constitutional issues; and current and future issues. (3 lecture hours per week) operation of correctional systems; treatment will be placed on the organization and future issues. non-institutional This course is a survey of institutional and (3 lecture hours per week). corrections. Emphasis

Criminal Investigation (3 credits) **CRIJ 2314**

[CB43.0104.5524] preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation. Investigative (3 lecture hours per week). theory; collection and

CRIJ 2323

(3 credits) Legal Aspects of Law Enforcement

constitutional constraints; laws of arrest, search, and seizure; police liability. (3 lecture hours per week) [CB43.0104.5624] Police authority; responsibilities;

CRIJ 2328

Police Systems and Practices (3 credits)

week). [CB43.0104.5724] and use of authority. police-community interaction, police ethics, society. It will focus on types of police agencies and their organizational structure, This course examines the establishment, role and function of police in a democratic (3 lecture hours per

Culinary Arts

Leslie Bartosh, Department Chairperson

Justice students. **Offered only for Texas Dept. of Criminal

CHEF 1205
Sanitation and Safety

personal hygiene and safe food handling procedures; food storage and refrigeration techniques; sanitation of dishes, equipment, safety standards. Topics include: causes of and prevention procedures for food-borne illness, intoxication, and infection; good and kitchens including cleaning material, garbage, and refuse disposal; Occupational by food contamination (Hazard Analysis Critical Control Points); and work place safety standards. Topics include: causes practices in food preparation; investigation, control of illness A study of personal cleanliness; causes sanitary caused

> this course. (2 lecture hours per week). Corequisite: CHEF 1301 [CIP12.0503] requirements and effective workplace safety programs. The student has the opportunity to earn the ServSafe Certificate through Safety and Health Administration (OSHA)

CHEF 1264

(2 Credits) Practicum - Culinary Arts/Chef Training

Practical, supported general workplace training

by the employer, college, and student. (21-30 practicum hours per week). Prerequisite: CHEF 1301 [CIP12.0503] by an individualized learning plan developed

Practicum **CHEF 1265** (2 Credits)

the terminology of the occupation and the business/industry. (21-30 practicum hours per week). Prerequisite: CHEF 1301. [CIP12.0503] teamwork skills, and appropriate written and verbal communication skills using and will demonstrate legal and ethical behavior, safety practices, interpersonal and occupation and legal systems associated with laws, and interactions within and among political, economic, environmental, social, Skills and student. As outlined plan; apply the theory, plan developed by the employer, college, and student. As outlined in the learning Practical, general workplace training supported by an individualized learning equipment, procedures, regulations, and the business/industry concepts, the and

CHEF 1291 Current Events in Culinary Arts (2 Credits)

events, skills, knowledge's, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times career exploration. week). [CIP12.0503] include sustainable agriculture, aquaculture, current events affecting food safety and career exploration. (2 lecture hours per Topics address recently identified current improve student proficiency.

Basic Food Preparation (3 Credits) **CHEF 1301**

the Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition, and professionalism. Knife skills, proper tool and equipment use, dry A study of the fundamental principles of preparation and cookery o include

and moist heat cookery, stock and sauce production are among the topics covered. (1- lecture and 4 lab hours per week). Corequisite: CHEF 1205. [CIP12.0503]

Principles of Healthy Cuisine (3 Credits) **CHEF 1302**

[CIP 12.0503] hours per week). Prerequisite: CHEF 1301 substitute ingredients to reduce calories, sugar, fat, and sodium. (1 lecture and 4 lab content. Alternative methods and ingredients will be used to achieve a healthier cooking style. Students will modify recipes and techniques to lower the fat and caloric balanced meals. Adaptation of basic cooking Introduction to the principles of planning, preparation, and presentation of nutritionally

CHEF 1305** Sanitation and Safety (3 Credits)

practices in food preparation; causes, investigation, control of illness caused by food contamination (Hazard Analysis Critical Control Points); and work place safety standards. Topics include: causes of and prevention procedures for food-borne illness, intoxication, and infection; good personal hygiene and safe food handling techniques; sanitation of dishes, equipment, and kitchens including cleaning material, garbage, and refuse disposal; Occupational Safety and Health Administration (OSHA) requirements and effective workplace safety programs. The student has the opportunity to earn the ServSafe Certificate through Corequisite: CHEF 1301 [CIP12.0503] A study of personal cleanliness;

Course Descriptions

Garde Manger (3 Credits) A study of speci **CHEF 1310**

A study of specialty foods and garnishes. Emphasis on design, techniques, and display of fine foods. Topics will include hot and cold hors d'oeuvres, canapés, salads, basic charcuterie skills, and the preparation of forcemeat items. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301

American Regional Cuisine **CHEF 1341**

(3 Credits)

A study of the development of regional cuisine's in the United States with emphasis on the similarities in production and service systems. Application of skills to develop organize, and build a portfolio of recipe strategies and production systems. The shaping America's cuisine will be examined importance of the immigration phenomena in

as students prepare regional specialties. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. **[CIP12.0503]**

International Cuisine (3 Credits) **CHEF 1345**

include similarities between food production systems used in the United States and other regions of the world. The cuisines of are explored in this class. (1 lecture and Latin America, France, Spain, the Middle East, Germany, Eastern Europe and Asia of international and ethnic cuisines. Topics associated with the preparation and service lab hours per week). Prerequisite: 1301. [CIP12.0503] study of classical cooking skills CHEF

safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry. (22.5 practicum hours skills Practical, general workplace training supported by an individualized learning plan developed by the employer, college, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and student. As outlined plan; apply the theory, will demonstrate legal and ethical behavior occupation and the business/industry and and legal systems associated with the (3 Credits) [CIP12.0503] week). involving Prerequisite: CHEF 1301. As outlined in the learning theory, concepts, specialized mater materials and

CHEF 1400**

Professional Cooking and Meal Service (4 Credits)

Technical aspects of food preparation in the commercial kitchen. This will be accomplished by preparing and serving meals according to a production schedule. Emphasis on team work, professionalism, guest relations and table service. (2 lecture and 4 lab hours per week) [CIP12.0503]

Basic Food Preparation CHEF 1401** 4 credits)

food preparation and cookery to include the Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition, and professionalism. Knife production are among the topics covered and moist heat cookery, stock and sauce skills, proper tool and equipment use, dry A study of the fundamental principles of

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(2 lecture and 4 lab hours per week). Prerequisite: TSI Met. Corequisite: CHEF 1405. [CIP12.0503]

CHEF 1440**
Meat Preparation and Cooking (4 Credits

heat and dry heat preparation methods as related to both classical and modern methods of preparation of dishes. (3 lecture and 3 lab hours per week) [CIP12.0503] cooking techniques for beef, pork, Study of poultry, seafood, and game. Includes moist the preparation, storage, , lamb, and

(4 Credits) Practicum - Culinary Arts/Chef Training CHEF 1464**

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. (28 practicum hours per week). [CIP12.0503]

CHEF 2201

Intermediate Food Preparation 2 Credits

product identification, sandwich and salad cookery, breakfast cookery and the utilization of convenience products. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503] Continuation of previous food preparation course. Topics include the concept of precooked food items, as well as scratch preparation. Covers full range of food preparation techniques. Topics include:

Saucier **CHEF 2302**

and sauces, emulsions, thickening agents, compound butters, dessert sauces, relishes, chutneys, compotes, vinaigrettes. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503] Instruction in the preparation of stocks, soups, classical sauces, contemporary sauces, accompaniments, and the pairing of sauces with a variety of foods. Topics of sauces with a variety of foods. Topics include: the usage and storage of stocks (3 Credits)

Introduction to the Hospitality Industry **HAMG 1321**

(3 Credits) Explain th the hospitality industry. (3 lecture hours week). [CIP52.0901] explain general hotel/motel operations. Explain and discuss the role of service in explain service; discuss current guest needs; and industry; discuss current issues facing the elements of the hospitality food per

HAMG 1324 Hospitality Human Resources Management

implementation as it applies to the hospitality industry; including the procedures involved in making hiring decisions; training and federal laws related to employment. (3 lecture hours per week). [CIP52.0901] of managing people in the hospitality workplace. Topics include a systematic approach to human resources planning and A study of the principles and procedures (3 Credits

IFWA 1210/1310**
Nutrition and Menu Planning

planning menus for the food service industry. (2 lecture & 1 lab hour per week / 3 lecture hours per week)
[CIP 12.0508]

Food Production and Planning Credits

FWA 1217

percentages, weights and measures, ratio and proportion, weights and measures operations and study of their applications in the food service industry. Topics include week). [CIP12.0508] control, for menu items and complete menus, portion conversions, determination of portion costs ntrol, and the increase and decre standard recipes. (2 lecture hours development in basic mathematical decrease

IFWA 1305** Food Service Equipment & Planning (3 credits)

À study of various types of food service equipment and the planning of equipment layout for product flow and efficient operation.
(3 lecture hours per week) Prerequisite: CHEF 1301. [CIP 12.0508]

Professional Nutrition for the Food Service (3 Credits)

nutrients, digestion and metabolism, planning, recipe modification, or and healthy cooking techniques. (3 lecture hours per week). [CIP12.0508] guidelines and restrictions, diet and disease introduction to nutrition including ism, menu dietary

IFWA 1527**

Food Preparation II
(5 Credits)
Continuation of the fundamental principles of of food items such as meats, poultry and fish. (2 lecture and 4 lab hours per week) [CIP 12.0508] food preparation. Emphasis on preparation of food items such as meats, poultry and

(3 Credits) **Fundamentals of Baking PSTR 1301**

functions of ingredients, and the evaluation of baked products. (1 lecture and 4 lab hours per week). Corequisite: CHEF 1301 [CIP12.0501] fillings, and ingredients. Topics include baking terminology, tool and equipment dough, quick breads, pies, cakes, cookies, tarts, and doughnuts. Instruction in flours, The Fundamentals of baking including yeast kitchen safety, formula conversions,

RSTO 2301
Principles of Food and Beverage Controls

(3 Credits)
A study of operational analysis, and international and regulatory reporting procedures. (3 lecture regulatory reporting procedures. (3 lecture hours per week). Prerequisite: BCIS 1305 or POFI 1301. [CIP12.0504] emphasizing food and beverage labor costs of food service operation including review of operation policies and procedures. Topics include financial budgeting and cost analysis study of financial principles and controls

Sonography Diagnostic Cardiovascular

Suzanne Poston Jessica Murphy, Department Chairperson

CVTT 1161 Clinical - Cardiovascular Technology

(1 Credit)

by the clinical professional. Emphasis will be placed on ECG, Stress Testing, Holter monitoring and patient care. (6 clinical hours per week). Corequisite: DSAE 1340. experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided [CIP51.0901] health-related work-based learning

DMSO 1210

the profession of Sonography may take Introduction to Sonography
(Any student who would like to explore

(2 credits) An introd this course

introduction ō the profession 으

> relating to registry, accreditation, professional organizations and history of the profession. (2 lecture hours per week). [CIP51.0910] Emphasis on medical terminology, ethical/legal aspects, written and verbal communication, and professional issues sonography and the role of the sonographer. Emphasis on medical terminology, ethical/legal aspects, written and verbal

DMSO 1342

Intermediate Ultrasound Physics

construction, quality assurance, bioeffects, and image artifacts. May introduce methods of Doppler flow analysis. (2 lecture and 2 lab hours per week). [CIP51.0910] Includes interaction of ultrasound with tissues, mechanics of ultrasound production and display, various transducer designs and (3 credits)
Continuation of Basic Ultrasound Physics

Introduction to Echocardiography **DSAE 1303**

Techniques Credits

scan protocol including two-dimensional, M-Mode, and Doppler.(2 lecture and 4 lab hours per week) Corequisite: DSAE 1360. [CIP51.0910] procedures with hands-on experience in a lab setting. Emphasis is placed on the sonographic evaluation of the normal adult heart. This course will introduce the basic An introduction to scanning techniques and

DSAE 1340

Diagnostic Electrocardiography

and interpretation of patient physical assessment. Covers electrocardiography, stress testing, Holter monitoring, vital signs, and cardiovascular pharmacology. (2 lecture and 4 lab hours per week) [CIP51.0910] (3 credits)
Cardiac testing including the techniques

DSAE 1360 Clinical - DMST Intro to Echo

handling, patient positioning, image orientation, and identification of anatomic structures found in basic echocardiographic views. (18 clinical hours per week) Corequisite: DSAE 1303. [CIP51.0910] (3 credits)
A healthexperience that enables the student to apply concepts. Direct supervision is provided specialized occupational theory, skills, the clinical professional. Emphasis will placed on instrumentation, transducer health-related work-based learning

DSAE 2303
Cardiovascular Concepts
(this course may be taken in advance or to renew expired A&P prior to

acceptance) (3 credits)

pathophysiology, etiology, pathology, signs, symptoms, risk factors, and treatment of cardiovascular diseases. (3 lecture and 1 lab hours per week). [CIP51.0910] embryology, and hemodynamics of the heart and vascular system. Includes Anatomy, physiology, and pathophysiology of the cardiovascular system. Focuses on cardiac and vascular structural anatomy and relationships, electrical innervation

DSAE 2304

Pathology Echocardiographic Evaluation of

3 credits

myocardial, hypertensive, and pericardial disease. (2 lecture and 4 lab hours per week) Prerequisite: DSAE 1303 Corequisite: DSAE 2361. [CIP51.0910] of cardiovascular disease is Emphasis will be placed on quantitative measurements, and the application of 2-D, M-Mode and Doppler. Recognition of the sonographic appearances Adult acquired cardiac pathologies. Topics include cardiovascular pathophysiology. stressed valvular

Advanced Echocardiography **DSAE 2335**

Course Descriptions

(3 credits)

Topics include stress echo, related diagnostic imaging, and related noninvasive cardiac testing. Topics may include trans esophageal echo, stress echo, 3D/4D echo, Strain Imaging, Vector Imaging, Dysynchrony and CRT, digital echo, contrast echo, intra-operative and intra-cardiac echo. (2 lecture and 4 lab hours per week) Prerequisite: DSAE 2337 Corequisite: DSAE 2462. [CIP51.0910] Advanced echocardiographic procedures

DSAE 2337

Pathology II **Echocardiographic Evaluation of**

3 credits

relevant to echocardiography. (2 lecture and 4 lab hours per week) Prerequisite: DSAE 2461. heart disease, diseases of the aorta and great vessels, cardiac masses and trauma and additional syndromes and diseases Evaluation of Pathology I with emphasis on cardiac disease. A discussion of quantitative measurements and application of 2-D, M-Mode, Doppler and recognition of the DSAE 2304, Corequisite: DSAE [CIP51.09103] sonographic appearances of cardiac disease is stressed. Topics may include congenital continuation of Echocardiographic (2 lecture

Clinical - DMST Echo I **DSAE 2361** (3 credits)

on gaining hands-on experience to develop scanning ability for the evaluation of the normal adult echocardiogram utilizing a standard scan protocol. (12 clinical hours the clinical professional. Emphasis will be concepts. Direct supervision is provided by experience that enables the student to apply specialized occupational theory, skills, and per week) Prerequisite: DSAE 1 Corequisite: DSAE 2304 [CIP51.0910] health-related work-based learning 1360,

Clinical - DMST Echo II (4 credits) **DSAE 2461**

on broadening and improving existing skills, recognition, evaluation and measurements of acquired heart disease. (24 clinical hours per week) Prerequisite: DSAE 2361, Corequisite: DSAE 2337 [CIP51.0910] specialized occupational theory, skills, and A health-related work-based learning experience that enables the student to apply the clinical professional. Emphasis will be concepts. Direct supervision is provided by

Clinical - DMST Echo III **DSAE 2462** 4 credits)

pathology, improving accuracy, speed and proficiency of the student's skills. (24 clinical hours per week) Prerequisite: DSAE 2461, Corequisite: DSAE 2335 [CIP51.0910] experience that enables the student to apply specialized occupational theory, skills, and placed on recognition and quantification of the clinical professional. Emphasis will be concepts. Direct supervision is provided by health-related work-based learning

Practicum - DMST, Intro to Pedi Echo (2 Credits) **DSPE 1265**

instrumentation, scanning skills, image orientation and patient care. Corequisite: DSPE 1300. (18 clinical hours per week) [CIP51.0910] Practical general workplace training supported by an individualized learning plan developed by the employer, college, and students. Emphasis will placed on training

3 **Echocardiography Techniques** Introduction to Pediatric **DSPE 1300** Credits

placed on the sonographic appearance of Doppler and standard measurements the normal neonatal and pediatric heart. Basic scan protocol to include 2D, M-mode, introduction to pediatric echocardiography

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circulation. (2 lecture and 4 lab hours per week) Prerequisite: acceptance into of septation defects and persistent fetal Emphasis will be placed on recognition program [CIP51.0910] Corequisite: DSPE 1265.

DSPE 2249

(2 Credits) Congenital Heart Disease II **Echocardiographic** Evaluation 9

Echocardiographic Evaluation of Congenital Heart Disease I. Topics will include anomalies of the following: great vessels, ventricles (ie: hypoplasia), and extra cardiac structures. In addition, echo evaluation of post operative repairs and and calculations used during 2D, M-Mode, and Doppler. (1 lecture and 4 lab hours per week) Prerequisite: DSPE 2257, Corequisite: DSPE 2461 [CIP51.0910] emphasis on quantitative measurements defects shall be included with continued course S a continuation

DSPE 2255

Neonatal/Pediatric Patient Care Skills (2 Credits)

vital signs, assessment, physical examination, thermal regulation, sedation, Overview of neonatal and pediatric patient care. Includes age appropriate care, patient safety, infection control, patient monitoring, and neonatal and infant emergency care. (1 lecture and 3 lab hours per week)

DSPE 2257 [CIP 51.0910]

Congenital Heart Disease I Echocardiographic Evaluation of (2 Credits)

pulmonic valve atresia, tricuspid valve, Ebstein's, and pulmonary veins. The evaluation will also include pathophysiology, quantitative measurements and the heart disease including physiology and hemodynamics of each of the following: application of echo techniques. (1 lecture and 4 lab hours per week) Prerequisite: aorta, arch, aortic valve, tetralogy of Fallot Methods [CIP51.0910] 300, Corequisite DSPE 으 evaluating congenita

DSPE 2259

Advanced Pediatric Echocardiography (2 Credits)

echocardiography transesophageal pathology and additional rare anomalies. (1 lecture and 4 lab hours per week) Prerequisite DSPE 2249 Corequisite DSPE 2462. [CIP51.0910] Specialized fetal echocardiography, acquired cardiac techniques iques in pediatric y including echocardiography,

DSPE 2261

Clinical - DMST Pediatric Echo I

on gaining hands-on experience to develop scanning ability for the evaluation of the abnormal pediatric echocardiogram utilizing a standard scan protocol. (12 clinical hours per week) Prerequisite: DSPE 1265, Corequisite DSPE 2257 [CIP51.0910] A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and the clinical professional. Emphasis will be concepts. Direct supervision is provided by (2 Credits)

DSPE 2461 Clinical - DMST Pediatric Echo II

(4 Credits)

on broadening and improving existing skills, recognition, evaluation, and quantification of congenital heart disease. (24 clinical hours per week) Prerequisite: DSPE 2261 [CIP51.0910] A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Emphasis will be work-based

DSPE 2462 Clinical - DMST Pediatric Echo III (4 credits)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Emphasis will be [CIP51.0910] hours per week). Prerequiste: DSPE 2461 proficiency of the students' skills. pathology, improving accuracy, speed and proficiency of the students' skills. (24 clinical placed on recognition and quantification of

DSVT 1300

Principles of Vascular Technology (3 credits)

on performing basic venous and arterial imaging and non-imaging exams and Carotid Duplex scanning. (2 lecture and 4 lab hours per week) Corequisite: DSVT 1360, [CIP51.0910] and ımagıng, technology Introduction ging, Doppler, segmental pre modalities. Illumus Doppler, plethysmography, Emphasis to non-invasive vascular modalities. Includes 2D

DSVT 1360

(3 credits) Clinical - DMST Introduction to Vascular

concepts. Direct supervision specialized occupational theory, skills, experience that enables the student to apply health-related work-based learning S provided

DSVT 2318 Peripheral Va

Peripheral Vascular Evaluation (3 credits)

Application of peripheral non-invasive vascular technology for the evaluation and quantification of peripheral vascular diseases. Modalities include venous and arterial duplex and physiologic testing. (2 lecture and 4 lab hours per week) Prerequisite: DSVT 2330. Corequisite: DSVT 2461. [CIP51.0910]

DSVT 2330 Cerebral Vascular Evaluation (3 credits)

Non-invasíve technology for the evaluation and quantification of cerebrovascular disease. Modalities include carotid duplex, periorbital Doppler, and transcranial Doppler. (2 lecture and 4 lab hours per week) Prerequisite: DSVT 1300, Corequisite: DSVT 2361. [CIP51.0910]

DSVT 2335 Advanced Vascular Technology (3 credits)

Non-invasive vascular concepts. Includes harmonics, contrast, power Doppler, digital intraoperative, intravascular, abdominal vascular, graft surveillance, vascular interventions, and research. Emphasizes extensive review of case studies, technical reporting, preliminary interpretation, and registry review. Other topics will include arterial stiffness, vascular contrast, mapping and guided procedures. (2 lecture and 4 lab hours per week) Prerequisite: DSVT 2318 Corequisite: DSVT 2462. [CIP51.0910]

DSVT 2361 Clinical - DMST Vascular I (3 credits)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Emphasis will be placed on hands-on experience to develop peripheral non-invasive vascular techniques used to evaluate the appearance of normal exams utilizing a standard scan protocol. (12 clinical hours per week) Prerequisite: DSVT 1360, Corequisite: DSVT 2330. [CIP51.0910]

DSVT 2461 Clinical - DMST Vascular II

(4 credits)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Emphasis will be placed on recognition and evaluation of pathology, broadening and improving existing skills. (24 clinical hours per week). Prerequisite DSVT 2361; Corequisite: DSVT 2318. [CIP51.0910]

DSVT 2462 Clinical - DMST Vascular III (4 credits)

À health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Emphasis will be placed on improving identification and quantification of pathology, accuracy, speed and proficiency of student's skills. (24 clinical hours per week). Prerequisite DSVT 2461; Corequisite: DSVT 2335. [CIP51.0910]

HPRS 1304 Basic Health Profession Skills

(3 credits)

A study of the concepts that serve as the foundation for health profession courses, including client care and safety issues, basic client monitoring, and health documentation methods. Emphasis will be placed on hospital skills and assessment. (2 lecture and 3 lab hours per week). [CIP51.0000]

Drama-

C. Jay Burton, Department Chairperson

DRAM 1120

Theater Practicum I (1 credit)

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (4 lab hours per week). [CB50.0506.5326]

DRAM 1121 Theater Practicum II

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (4 lab hours per week). [CB50.0506.5326]

DRAM 1310 Introduction to Theater (3 credits)

(3 credits)
Survey of theater including its history,

dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required. (3: lecture and 2 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CB50.0501.5126]

DRAM 1322

Stage Movement

(3 credits)
Principles, practices, and exercises in body techniques and stage movement; emphasis on character movement and body control. (1 lecture and 2 lab hours per week). [CB50.0506.5426]

DRAM 1330 Staggeraff

Stagecraft I

(3 credits)
Study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound, and theatrical management. (3 lecture and 3 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CB50.0502.5126]

DRAM 1341

(3 credits)

Design and execution of makeup for the purpose of developing believable characters. Includes discussion of basic makeup principles and practical experience of makeup application. (2 lecture and 4 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CB50.0502.5226]

DRAM 1351

(3 credits)

An introduction to the fundamental principles and tools of acting as used in auditions, rehearsals, and performances. This may include ensemble performing, character and script analysis, and basic theater terminology. This exploration will emphasize the development of the actor's instrument: voice, body and imagination. (3 lecture and 3 lab hours per week). Prerequisites: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CB50.0506.5126]

DRAM 1352 Acting II (3 credits)

Exploration and further training within the basic principles and tools of acting, including an emphasis on critical analysis of oneself and others. The tools include ensemble performing, character and script analysis, and basic theater terminology. This will continue the exploration of the development

imagination. (3 lecture ar week). **[CB50.0506.5126]** of the actor's instrument: voice, body and imagination. (3 lecture and 3 lab hours per

Theater Practicum III

1 credit)

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (6 lab hours per week). [CB50.0506.5326]

DRAM 2121 Theater Practicum IV

(1 credits)

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (6 lab hours per week). [CB50.0506.5326]

DRAM 2331 Stagecraft II

(3 credits)

Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. (3 lecture and 3 lab hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CB50.0502.5126]

Voice for the Theater **DRAM 2336**

communication. Encourages an awareness of the need for vocal proficiency and employs techniques designed to improve the performer's speaking abilities. (3 lecture hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CB50.0506.5226] Application of the performer's use of the voice as a creative instrument of effective 3 credits)

DRAM 2361 History of the Theater I

(3 credits)

Study of the history of the theater from primitive times through the Renaissance. (3 lecture hours per week). Prerequisites: INRW 0309, INRW 0309, DIRW/DIRR 0309 or ENGL 0309 & READ 0309. [CB50.0505.5126]

DRAM 2362

History of the Theater II

(3 credits)
Study of the history of the theater from the Study of the history of the theater from the Renaissance through today. (3 lecture hours per week). Prerequisites: INRW 0309, DIRW/DIRR 0309 or ENGL 0309 & READ 0309. [CB50.0505.5126]

DRAM 2366 Introduction to Cinema

film techniques, production procedures, selected motion pictures, and cinema's impact on and reflection of society. (3 lecture hours per week). Prerequisites: INRW 0309, DIRW/DIRR 0309 or READ 0309 [CB50.0602.5126] (3 credits)
Survey and analyze cinema including history, Prerequisites:

Economics

[CIP51.0904]

Elizabeth McLane, Department Chairperson Kevin Jefferies, Tim Reynolds, Gregory Roof

ECON 2301 Principles of Macroeconomics (3 credits)

including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. (3 lecture hours per week). Prerequisites: TSI Met. hours per week). [CB45.0601.5125] An analysis of the economy as a whole

ECON 2302 Principles of Microeconomics II (3 credits)

economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade. (3 lecture hours per week). Prerequisites: TSI Met. [CB45.0601.5125] Analysis of the behavior of individual

Emergency Medical

Technology

Douglas Stevenson, Department

Patty Stemmer, Instructor Tracey Antill, DO, FACEP Medical Director

EMSP 1160

Clinical -**Emergency Medical Technician**

(1 credit)

by the clinical professional. (6 hours per week external experience). Co-Requisites: experience that enables the student to apply and concepts. Direct supervision is provided specialized EMT occupational theory, skills Enrollment in EMSP 1501. [CIP51.0904] health-related work-based learning

(1 credit) EMSP 1166
Practicum I - EMT Paramedic

Prerequisite: C EMSP 1160, Practical, supported by an individualized learning Co-Requisite: Enrollment in EMSP 1338 EMSP 1355, EMSP 1356, EMSP 1261 and student for the Advanced EMT student plan developed by the employer, (7 hours per week external experience) general workplace Completion of Texas EMT EMSP 1501/ Certification college,

EMSP 1261 Clinical I - EMT Paramedic

(2 credits)

hours per week) Prerequisite: Completion of EMSP 1501/ EMSP 1160, Texas EMT certification. Co-Requisite: Enrollment in EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1166. [CIP51.0904] skills, and concepts. Direct supervision is provided by the clinical professional. (7 lab specialized paramedic occupational theory, A health-related work-based learning experience that enables the student to apply

EMSP 1338

(3 credits) Introduction to Advanced Practice

Co-Requisite: Enrollment in EMSP 1355, EMSP 1261, EMSP 1166 paramedic related topics. (3 lecture hours per medication emergency [CIP51.0904] 1501/ EMSP 1160, Texas EMT certification. week). preparatory Fundamental elements Prerequisite: Completion of EMSP medical services to include administration, practices, pathophysiology, associated with and other

EMSP 1355

(3 credits) Trauma Management

Knowledge and skills in the assessment and management of patients with traumatic injuries. (2 hours of lecture and 3 hour of lab per week). Prerequisite: Completion of EMSP 1501, & 1160, Texas EMT certification. Co-Requisite: Enrollment in EMSP 1338, 1356, 1261, & 1166. [CIP51.0904]

EMSP 1356 Patient A Management Assessment and Airway

(3 credits

patient assessment, airway management, and artificial ventilation. (2 hours of lecture and 3 hours of lab per week). Prerequisite: Completion of EMSP 1501/ EMSP 1160, Texas EMT certification. Co-Requisite: Knowledge and skills required to perform Co-Requisite

EMSP 1501

Emegency Medical Technician - Basic

Immunizations, program application. Co-Requisites: Enrollment in EMSP 1160. [CIP51.0904] (5 credits)

Preparation for certification as an Emergency Medical Technician (EMT). (5 lecture and 6 lab hours per week). Pre-requisites:

(1 credit) Clinical II - EMT Paramedic **EMSP 2160**

by the clinical professional. (6 hours per week external experience). Prerequisite: Completion of EMSP 1501/ EMSP 1160, Texas EMT certification. Co-Requisite: Enrollment in EMSP 2206, EMSP 2305, EMSP 2444. [CIP51.0904] experience that enables the student to apply specialized cardiovascular theory, skills, and concepts. Direct supervision is provided health-related work-based learning

Practicum II - EMT Paramedic **EMSP 2166**

by an individualized learning plan developed by the employer, college, and student. (9 hours per week external experience). Prerequisite: Completion of EMSP 1501/EMSP 1160/EMSP 1355/EMSP 1361/EMSP 1366/EMSP 1355/EMSP 1261/EMSP 1166/EMSP 2444/EMSP 2248/EMSP 2160/EMSP 2434/EMSP 2243. [CIP51.0904] (1 credit)
Final paramedic capstone training supported

EMSP 2206

Emergency Pharmacology (2 credits)

A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages as applied to the Paramedic. (2 hours of lecture hours and 1 hour of lab per week). Prerequisite: Completion of EMSP 1501/ EMSP 1160 Texas EMT Intermediate certification. Co-Requisite: Enrollment in EMSP 2160, 2305, 2444. [CIP51.0904]

EMSP 2243

Assessment Based Management (2 credits)

care management for the paramedic level using case study reviews of student pediatric, geriatric, medical and trauma patients. (1 hour of lecture and 3 hours of comprehensive, assessment-based patient summative experience covering

lab per week). Prerequisite: Completion of EMSP 1501, 1160, 1338, 1356, 1355, 1261, 1166, 2206, 2305, 2330, 2444, 2160, 2434, 2261. Co-Requisite: Enrollment in EMSP 2166. [CIP51.0904]

EMSP 2261

Clinical III - EMT Paramedic (2 credits)

pediatric, geriatric, obstetrical, and psychiatric patients in the clinical hospital settling. Direct supervision is provided by the clinical professional. Pre-requisites: Completion of EMSP 1501/ EMSP 1160/ EMSP 1338/ EMSP 1355/ EMSP 1356/ EMSP 1261/ EMSP 1166/ EMSP 2305/ EMSP 2444/ EMSP 2206/ EMSP 2160/ EMSP 2434 and EMSP 2330. Texas EMT Intermediate certification. Co-requisite: Enrollment in EMSP 2243 (9 Lab hours per week) .[CIP51.0904] enables the student to apply specialized theory, skills, and concepts to medical, A clinical-based learning experience that

EMSP 2300

Methods of Teaching -**Medical Services** Emergency

certification. [CIP51.0904] learner. (16 hrs. Classroom Instruction, 8 hrs, Instructor Candidate Internship, 24 hrs. Internet). (3 Lecture Hours Per Week) Prerequisite: Current Texas EMS training that focuses on instructional preparation, presentation, and evaluation, also essential knowledge, skills, and practices required to provide quality EMS educational programs applicable to the adult (3 credits)
This class combines lecture and internet

EMS Operations EMSP 2305

Prerequisite: Completion of EMSP 1501 and 1160. Texas EMT certification. Corequisite: Enrollment in EMSP 2160, 2206 and 2444. [CIP51.0904] with 23 hours of lecture and lab training hours of internet course work on the internet hazardous materials and other specialized incidents. The hybrid course combines 25 Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify (3 credits)

Special Populations (3 credits) **EMSP 2330**

and manage ill or injured patients in diverse populations to include neonatology, Knowledge and skills necessary to assess

> Prerequisite: Texas EMT Intermed certification. Completion of EMSP 1 EMSP 1160/ EMSP 1338/ EMSP 1 EMSP 1355/EMSP 1261/ EMSP 1 EMSP 2305 /EMSP 2444/ EMSP 2 EMSP 2160. Co-Requisite: EMSP 2 topics as applied to the Paramedic. (2 hours of lecture and 2 hours of lab per week). Prerequisite: Texas EMT Intermediate [CIP51.0904] pediatrics, geriatrics, and other related 1166/ 2206/ 1356/ 1501/

EMSP 2434 Medical Emergencies

(4 credits)

Prerequisite: Texas EMT Intermediate certification. Completion of EMSP 1501/EMSP 1160/EMSP 1338/EMSP 1356/EMSP 1261/EMSP 1166/EMSP 2206/EMSP 2305/EMSP 2444/EMSP 2160. Co-Requisite: Enrollment in pulmonology, urology, hematology, endocrinology, toxicology, and other related topics as applied to the Paramedic. (3 hours of lecture and 3 hours of lab per week). Prerequisite: Texas EMT Intermediate EMSP 2330 [CIP51.0904] neurology, gastroenterology, immunology, and management of patients with medical emergencies, including medical overview, knowledge and skills in the assessment

Cardiology **EMSP 2444**

Prerequisite: Texas EMT Intermediate certification. Completion of EMSP 1501/EMSP 1160. Co-Requisite: EMSP 2206, EMSP 2305, EMSP 2160. [CIP51.0904] with cardiac emergencies. (3 hours of lecture and 3 hours of lab and per week).

Prerequisite: Texas EMT Intermediate skills necessary to reach competence in the assessment and management of patients (4 credits)

A detailed study of the knowledge and

HITT 1305

Medical Terminology I (3 credits)

the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties, and diagnostic procedures. (3 lecture hours per week). [CIP51.0707] Study of word origin and structure through

Course Descriptions

Bea Hugetz, Linda Matteson, L Moore, Haley Collins, Keith Vyvial Thomas Parker, Department Chairperson Charley Bevill, Margaret Ellen Birdwell, Leigh Ann

now listed under Academic Foundations. NOTE: Developmental English classes are

Composition I **ENGL 1301**

(3 credits)

critical analysis. (3 lecture hours per week). Prerequisite: TSI Met. [CB23.1301.5112] on effective rhetorical choices, including individually and collaboratively. Emphasis vehicle for learning, communicating, and Focus on writing the academic essay as a audience, purpose, arrangement, and style to drafting, revising, and editing, both process, from invention and researching Intensive study of and practice in writing

ENGL 1302 Composition II

(3 credits)

reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical intensive study of and practice in the strategies and techniques for developing and documentation of information sources; research-based expository and persuasive

Course Descriptions

NOTE: To fulfill the sophomore English requirements of ACC programs of study, the English Department recommends either ENGL 2332-2333 or 2322-2323, taken in sequence. However, a combination of one course from Group A and one from Group B, taken in any order, is acceptable. Group A: 2332 or 2322. Group B: 2333 or 2323 or 2327 or 2328 Under appropriate circumstances, ENGL 2311 may be allowed as one of the two required sophomore

ENGL 2307 Creative Writing (3 credits)

nonfiction, poetry, screenwriting, or drama. (3 lecture hours per week). Prerequisite: ENGL 1301. **[CB23.1302.5112]** imaginative writing. Practical experience in the techniques of imaginative writing. May include fiction,

ENGL 2311

(3 credits) Technical & Business Writing

and collaborative processes involved in the creation of ethical and efficient documents. (3 lecture hours per week). Prerequisite: ENGL 1301 [CB23.1303.5112] e-mail messages, letters, and descriptions of products and services. Practice individual reports, instructions, policies and procedure, e-mail messages, letters, and descriptions intensive study of in practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals,

ENGL 2322 British Literature I

(3 credits)

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. (3 lecture hours per week). Prerequisite: ENGL 1301. [CB23.1404.5112]

ENGL 2323 British Literature II

(3 credits)

authors and traditions. (3 per week). Prerequisite: literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to [CB23.1404.5112] will be selected from a diverse group of their historical and cultural contexts. Texts A survey of the development of British (3 lecture hours te: ENGL 1301.

ENGL 2327

conclusions. (3 lecture hours per week) Prerequisite: ENGL 1301 or its equivalent and critical thinking about evidence and

[CB23.1301.5112]

(3 credits) American Literature I

about the evolving American experience and character. (3 lecture hours per week) Prerequisite: ENGL 1301 [CB 23.1402.5112] of authors for what they reflect and reveal will be selected from among a diverse group to their historical and cultural contexts. Texts prose, poetry, drama, and fiction in relation period of exploration and settlement through the Civil War. Students will study works of A survey of American literature from the

ENGL 2328

American Literature II

(3 credits

about the evolving American experience of authors for what they reflect and revea will be selected from among a diverse group to their historical and cultural contexts. Texts of prose, poetry, drama, and fiction in relation A survey of American literature from the Civil War to the present. Students will study works

> and character. (3 lecture hours per week)
> Prerequisite: ENGL 1301 [CB 23.1402.5112]

ENGL 2332

World Literature I

A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, a diverse group of authors and traditions. (3 lecture hours per week). Prerequisite: ENGL 1301. [CB16.0104.5213] and fiction in relation to their historical and cultural contexts. Texts will be selected from (3 credits

ENGL 2333

World Literature II

3 credits)

a diverse group of authors and traditions (3 lecture hours per week). Prerequisite ENGL 1302. [CB16.0104.5213] will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from seventeenth century to the present. Students survey of world literature from the Prerequisite:

French

Saul Olivares, Department Chairperson

they have not taken the previous sequenced course with a minimum grade of C in the 12 months prior enrollment OR placed via the Language Placement Exam required in each track immediately prior to enrollment. Failure to comply with this requirement may result in being dropped from the class at any time. Based on performance on the placement exam, students may be placed in FREN 1412, 2311, or 2312, and may eam NOTE: Students cannot enroll in courses higher than 1411 in any language program (Second Language or Heritage Language) if up to 11 credit hours.

Beginning French I FREN 1411

(4 credits)

listening comprehension, speaking, reading, and writing. It includes basic vocabulary, grammatical structures, and culture (3 lecture and 2 lab hours per week) [CB16.0901.5113] grammatical This course provides fundamental skills in and culture.

Beginning French II **FREN 1412**

(4 credits)

in listening comprehension, spe reading, and writing. It includes vocabulary, This course provides fundamental skills grammatical structures, speaking,

Rev: 05-30-16

by Placement Exam immediately prior to enrollment. (3 lecture and 2 lab hours per week). **[CB 16.0901.5113]** culture. Prerequisite: Successful completion of FREN 1411 with a minimum grade of C in the 12 months prior to enrollment or

(3 credits) **FREN 2311** Intermediate French I

emphasizes conversation, and acquisition, reading, composition, and culture. Prerequisite: Successful completion of FREN 1412 with a minimum grade of by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week) [CB16.0901.5213] speaking, This course provides a review and application SKIIIS in listening comprehension reading, and writing.

FREN 2312 (3 credits) Intermediate French II

by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week) [CB16.0901.5213 acquisition, reading, composition, and culture. Prerequisite: Successful completion of FREN 2311 with a minimum grade of C in the 12 months prior to enrollment or emphasizes speaking, This course provides a review and application of skills in listening comprehension, reading, and writing conversation, vocabulary

Geography

Johanna Hume Chairperson Christopher Chance, Department

Physical Geography **GEOG 1301**

Survey of geology, meteorology, oceanography, and astronomy. (3 lecture hours per week). Prerequisites: TSI Met. [CB45.0701.5125] Survey (3 credits) 으

Human Geography GEOG 1302 (3 credits)

environment as related to human activities, modes of living, and map concepts. The semester emphasizes cultural geography. (3 lecture hours per week). Prerequisites: TSI lecture hours per week). Met. [CIP 45.0701.5125] introduction to the concepts which provide a foundation for continued study of geography. Includes the different elements of natural

GEOG 1303 World Regional Geography

in climates, land and water resources, population distribution, and the extent of resource utilization. Physical and human factors that enhance, hinder, or threaten economic development and living conditions in the respective regions are also stressed. (3 lecture hours per week). Prerequisites: TSI Met [CB45.0701.5325] and inter-regional similarities and differences (3 credits)
A survey of the world's major geographic regions, with emphasis on intra-regional

(3 credits) **Academic Cooperative GEOG 2389**

conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions. (3 lecture integrate on-campus study with prachands-on experience in geography conjunction with class seminars, hours per week) [45.0101.5125] instructional program designed to trate on-campus study with practical

Geology

Dora Devery, Department Chairperson

GEOL 1301

(3 credits)
Offered only for Texas Dept. of Criminal Earth Sciences for Non-Science Majors I

oceanography, and astronomy. (3 lecture hours per week). Prerequisite: TSI Met. [CB40.0601.5103]

Physical Geology (3 credits) **GEOL 1303**

data gathered from field observations. lecture hours per week). Prerequisite: Met. [CB40.0601.5403] based on experimental data and geologic Introduction to the study of the materials and processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories Prerequisite: TSI

GEOL 1401 Earth Science for Non-Science Majors I (4 credits)

Survey of geology, meteorology, oceanography, and astronomy. (3 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CB40.0601.5103]

(4 credits) **Physical Geology GEOL 1403**

introduction to the study of the materials and

(3 lecture and 3 lab hours per week Prerequisite: TSI Met. [CB40.0601.5403] These processes are described by theories based on experimental data and geologic data gathered from field observations.

(3 lecture and 3 lab hours per week). processes that have modified and shaped the surface and interior of Earth over time.

Historical Geology GEOL 1404

(4 credits)

rocks of life and major events in the ph development of Earth as interpreted [CB40.0601.5403] hours per week) Prerequisite: GEOL 1403 comprehensive survey of the history and fossils. (3 lecture in the physical trom

GEOL 1405

Environmental Science

(4 credits)

environment, and how they affect life Earth. Introduction to the science a [CB03.0103.5301] energy resources. and sustainability of land, issues, including pollution, climate change policy of global and regional environmental A survey of the forces, including humans, that shape our physical and biologic per week). Prerequisite: TSI Met (3 lecture and 3 lab water, and and

GEOL 1445

(4 credits) Oceanography

Survey CB40.0601.5103] Prerequisite: TSI Met, and MATH 0312 sciences. (3 lecture & 3 lab hours per week) of oceanography and related

GEOL 1447

Meteorology

(4 credits)

Survey of meteorology and related sciences. (3 lecture & 3 lab hours per week) Prerequisite: TSI Met, and MATH 0312. [CB40.0601.5103]

Government -

Kevin Jefferies, Tim Reynolds, Gregory Roof Elizabeth McLane, Department Chairperson

GOVT 2305

Federal Government (3 credits)

Constitution, structure and powers of the Origin and development of the U.S.

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by Placement Exam immediately prior to enrollment. (3 lecture and 2 lab hours per week). **[CB 16.0901.5113]** culture. Prerequisite: Successful completion of FREN 1411 with a minimum grade of C in the 12 months prior to enrollment or by Placement

(3 credits) Intermediate French I FREN 2311

emphasizes conversation, vocabulary acquisition, reading, composition, and culture. Prerequisite: Successful completion of FREN 1412 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week) [CB16.0901.5213] speaking, This course provides a review and application skills in reading, listening comprehension, ading, and writing. It writing

FREN 2312 (3 credits) Intermediate French II

acquisition, reading, composition, and culture. Prerequisite: Successful completion of FREN 2311 with a minimum grade of week) [CB16.0901.5213 by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per C in the 12 months prior to enrollment or emphasizes speaking, This course provides a review and application skills in reading, conversation, listening comprehension, and writing vocabulary

Geography

Johanna Hume Chairperson Christopher Chance, Department

(3 credits) Physical Geography **GEOG 1301**

Survey of geology, meteorology, oceanography, and astronomy. (3 lecture hours per week). Prerequisites: TSI Met. [CB45.0701.5125]

GEOG 1302 Human Geography (3 credits)

environment as related to human activities, modes of living, and map concepts. The semester emphasizes cultural geography. (3 lecture hours per week). Prerequisites: TSI lecture hours per week). Met. [CIP 45.0701.5125] introduction to the concepts which provide a foundation for continued study of geography. Includes the different elements of natural

GEOG 1303 World Regional Geography

in the respective regions are also stressed. (3 lecture hours per week). Prerequisites: TSI Met [CB45.0701.5325] in climates, land and water resources, population distribution, and the extent of resource utilization. Physical and human factors that enhance, hinder, or threaten economic development and living conditions and inter-regional similarities and differences (3 credits)
A survey of the world's major geographic regions, with emphasis on intra-regional

Academic Cooperative GEOG 2389 (3 credits)

An instructional program designed to integrate on-campus study with practical hands-on experience in geography. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions. (3 lecture hours per week) [45.0101.5125]

Geology

Dora Devery, Department Chairperson

GEOL 1301

Earth Sciences for Non-Science Majors Offered only for Texas Dept. of Criminal (3 credits)

oceanography, and astronomy. (3 lecture hours per week). Prerequisite: TSI Met. [CB40.0601.5103] Justice students. Survey of ge

GEOL 1303 Physical Geology (3 credits)

Introduction to the study of the materials and processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories based on experimental data and geologic data gathered from field clecture hours per week). F. Met. [CB40.0601.5403] Prerequisite: TSI

GEOL 1401 Earth Science for Non-Science Majors I (4 credits)

Survey of geology, meteorology, oceanography, and astronomy. (3 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CB40.0601.5103]

Physical Geology (4 credits) **GEOL 1403**

introduction to the study of the materials and

processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories based on experimental data and geologic data gathered from field observations. (3 lecture and 3 lab hours per week). Prerequisite: TSI Met. [CB40.0601.5403] hours per week [CB40.0601.5403]

Historical Geology GEOL 1404

(4 credits)

hours per week) Prerequisite: GEOL 1403 [CB40.0601.5403] rocks and fossils. development of Earth as interpreted of life and major events comprehensive survey of the history (3 lecture in the physical from

(4 credits) **Environmental Science GEOL 1405**

that shape our physical and biolo environment, and how they affect life Earth. Introduction to the science a [CB03.0103.5301] energy resources. and sustainability policy of global and regional environmental issues, including pollution, climate change, that shape A survey of the forces, including humans per week). Prerequisite: of land, of land, water, and (3 lecture and 3 lab science and biologic

GEOL 1445

Course Descriptions

Oceanography (4 credits)

Prerequisite: Survey [CB40.0601.5103] sciences. (3 lecture & 3 lab hours per week) of oceanography and related TSI Met, and MATH 0312

GEOL 1447

Meteorology

(4 credits)

[CB40.0601.5103] sciences. (3 lecture & 3 lab hours per week) Prerequisite: TSI Met, and MATH 0312. Survey of meteorology and related

Government _

Kevin Jefferies, Tim Reynolds, Gregory Roof Elizabeth McLane, Department Chairperson

GOVT 2305

Federal Government (3 credits)

Constitution, structure and Origin and development of the powers of the

election process, public policy, civil liberties and civil rights. (3 lecture hours per week). Prerequisites: TSI Met. [CIP 45.1002.5125] eralism, political participation, the tive, executive, and judicial branches, fednational government including the legislanational

GOVT 2306

Texas Government (3 credits)

week). political culture of Texas. (3 lecture hours per the election process, public policy, and the ernmental relations, political participation, local government, federalism and inter-govstitution, structure and powers of state and Origin and development of the Texas con-Prerequisites: TSI Met.

[CIP 45.1002.5125]

History

John Duke, Johanna Hume Chairperson Christopher Chance, Department

United States History I (3 credits)

States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United creation of the federal government. (3 lecture hours per week). Prerequisites: TSI American culture, religion, civil and human Met. [CB 54.0102.5125] I include: American settlement and diversity, technological change, economic immigration and migration, and

HIST 1302

United States History II

(3 credits)

Il examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History era to the present. United States History cultural, and intellectual history of the United economic and human rights, technological change Il include: American culture, religion, civil A survey of the social, political, economic, migration, urbanization and suburbanization from the Civil War/Reconstruction change, federal government immigration

> and the study of U.S. foreign policy. lecture hours per week). Prerequisites: Met. [CB 54.0102.5125] TSI (3

(3 credits) Texas History

Themes oil, industrialization, and urbanization; civil rights; and modern Texas. (3 lecture hours A survey of the political, social, economic, cultural, and intellectual history of Texas Republic of Texas; statehood and secession; and Spanish Texas; Mexican Texas; the History include: 54.0102.5225 from the that may be addressed in Texas pre-Columbian era to the present Prerequisites: TSI Met. Spanish colonization

history may be applied toward satisfying the United States history requirement. Texas law stipulates that three hours in Texas

HIST 2311

Western Civilization I

(3 credits)

that should cultural, religious, and intellectual history of Europe and the Mediterranean world from Reformations. (3 lecture hours per week) Prerequisites: TSI Met. **[CB 54.0101.5425]** through the Middle Ages, Renaissance, and Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, human origins to the 17th century. Themes A survey of the social, political, economic. Byzantium, Islamic civilizations, and Europe be addressed in Western

Western Civilization II (3 credits)

cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes that should be addressed in Western (3 lecture hours per week) Prerequisites: TS global conflict, the Cold War, and globalism liberalism, constitutionalism, growth of nation states, the Enlightenment, revolutions, classical Civilization II include absolutism Met. [CB 54.0101.5425] survey of the social, political, economic industrialization, imperialism,

World Civilizations I

(3 credits)

examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the 15th century. The course

> and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. (3 lecture hours per week). Prerequisites: TSI Met [CB54.0101.5325] religion and philosophy, economic systems development of political and legal systems early societies, the rise of civilizations, the time. Themes include the emergence of

HIST 2322 World Civilizations II

A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction and impact of global exchange. (3 lecture hours per week). Prerequisites: TSI Met. [CB 54.0101.5325] (3 credits)

Mexican-American History I

(3 credits)

Historical, economic, social, and cultural development of Mexican-Americans/ Chicanos/as to 1918. (3 lecture hours per week). Prerequisites: TSI Met [CB 05.0203.5225]

HIST 2328

Mexican-American History II

(3 credits)

Historical, economic, social, and cultural development of Mexican-Americans/Chicanos/as. (3 lecture hours per week). Prerequisites: TSI Met [CB 05.0203.5225]

HIST 2381

African American History (3 credits)

development of minority groups. May include African-American, Mexican American, Asian American, and Native American issues. (3 lecture hours per week) Prerequisites: TSI Met [CB 45.1101.5325] Historical, economic, social, and cultural

HIST 2389

Academic Cooperative 3 credits)

will set specific goals and objectives in the study of human social behavior and/or social institutions. (3 lecture hours per week) An instructional program designed to integrate on-campus study with practical hands-on experience in history. In conjunction with class seminars, the individual student CB 45.0101.5125

Horticulture

Dwight Rhodes, Department Chairperson

HORT 1401

Principles of Horticulture

(4 credits)

and occupational opportunities. The lab experience provides an introduction to growing, grounds maintenance, planting, and transplanting. (3 lecture and 3 lab hours per week). [CB 01.0601.5101] outlines the commercial horticulture industry principles and practices of struc growth, development, maintenance, use of horticultural plants. The co I his course principles and presents the tundamenta The course structure and

Humanities C. Jay Burton, Dep

Jay Burton, Department Chairperson

(3 credits) This sta Introduction to Humanities I **HUMA 1301**

in human values with an emphasis on the historical development of the individual and society and the need to create. (3 lecture hours per week). Prerequisites: TSI Met. [CB 24.0103.5112] interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors stand-alone course

HUMA 1302

Introduction to Humanities II

(3 credits stand-alone

interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and hours per week). [CB24.0103.5112] society and the need to create. week) Prerequisites: course (3 lecture s: TSI Met. S

HUMA 1305

Studies Introduction to Mexican-American

(3 credits)

immigration, transnationalism, and other topics that have shaped the Mexican-American experience. (3 lecture hours per week) [CB 05.0203.5125] the different cultural, artistic, economic, historical, political, and social aspects of the Mexican-American/Chicano/a communities. It also covers issues such as dispossession, This interdisciplinary survey examines lifferent cultural, artistic, economic,

Substance Abuse Human Services -

Counseling G. E. Carrier, Depa Carrier, Department Chairperson

Pharmacology of Addiction DAAC 1304 (see also SOCI 2340)

Rev: 05-30-16

addiction, drug interaction, withdrawal, and recovery. Describes the psychological and physiological effects of substance use and behaviors. (3 lecture hours per week) addiction, tolerance, dependence, [CIP51.1501] (3 credits)
Emphasizes pharmacological effects of cross

DAAC 1305

3 credits) Co-occurring Disorders

disorders and their impact on the individual, family, and community. Includes an integrated approach to address the issues accompanying the illness. (3 lecture hours per week) [CIP: 51.1501] Provides Provides students with an overview of co-occurring psychiatric and substance use

DAAC 1309

Assessment of Substance-Related and Addictive Discorders

3 credits)

to identify substance-related and a disorders and assess a client's prestrengths, deficits, and needs. (3 hours per week) [CIP51.1501] Exploration of procedures and tools used client's problems, needs. (3 lecture addictive

(3 credits) DAAC 1311 Counseling Theories

of counseling. [CIP51.1501] An examination of major theories and current treatment modalities used in the field (3 lecture hours per week)

Basic Counseling Skills **DAAC 1317**

(3 credits)

An overview and application of the basic counseling skills. (3 lecture hours per week) [CIP51.1501]

DAAC 1364

Counseling Practicum Substance Abuse/Addiction

(3 credits)
Practical,

supported by an individualized learning plan developed by the employer, college, and student. (21 practicum hours per week) [CIP: 51.1501] general workplace training

DAAC 1380

Cooperative Education I - Substance Abuse/Addiction Counseling

the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a (3 credits)
Career-related activities encountered in

lecture component. (1 lecture hour and 20 lab hours per week) Prerequisite: DAAC 1364. [CIP51.1501]

DAAC 1381
Cooperative Education II -Abuse/Addiction Counseling Substance

3 credits

employer, the student combines classroom learning with work experience. Includes a lecture component (1 lecture hour and 20 lab hours per week) Prerequisite: DAAC 1380 [CIP51.1501] the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the Career-related activities encountered

DAAC 1391

Counseling Special Topics in Alcohol/Drug Abuse

3 credits

events, skills, knowledges, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. (3 lecture hours per week) [CIP51.1501] Topics address recently identified current

DAAC 2306

Substance Abuse Prevention

Course Descriptions

(3 credits)
Examination of substance use di prevention. (3 lecture hours per week)
[CIP: 51.1501] disorder

DAAC 2307

(3 credits) Addicted Family Intervention

lecture hours per week) [CIP51.1501] Examination of family systems focusing on the effects of addiction and recovery. (3

DAAC 2341 Counseling Alcohol and Other Drug Addictions

(3 credits)

Advanced examination of knowledge, skills, attitudes, techniques, confidentiality and ethical guidelines applied in the counseling, treatment, prevention, and recovery of substance use disorders. (3 lecture hours per week) [CIP51.1501]

DAAC 2343 Current Issues

(3 credits)

Examination of current issues related substance use and addictive disorders. lecture hours per week) [CIP51.1501] ವರ

Dynamics of Group Counseling **DAAC 2354** 3 credits

Exploration of group counseling skills, techniques, stages of group development, and confidentiality and ethics. (3 lecture hours per week) [CIP 51.1501] skills,

Cooperative Education III - Abuse /Addiction Counseling Substance

(3 credits)

through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 lecture hour and 20 lab hours per week) [CIP51.1501] the student's area of specialization offered (3 credits)
Career-related activities encountered in

(3 credits)
(3 credits)
Overview of the social, psychological, and biological changes that accompany aging and an overview of the implications of these changes for the individual, as well as for the larger society. (3 lecture hours per week)
[CIP30.1101]

PMHS 1380

Cooperative Education I - Psychiatric/ Mental Health Services Technician 3 credits

the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 lecture hour and 20 lab hours per week) [CIP51.1502] the student's area of specialization offered through an individualized agreement among Career-related activities encountered

PMHS 1381
Cooperative Education II - Psychiatric/ Mental Health Services Technician 3 credits)

the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the learning with work experience. Includes a lecture component. (1 lecture hour and 20 lab hours per week) Prerequisite: DAAC 1380. [CIP51.1502] employer, the student combines classroom Career-related activities encountered

PMHS 2380

Cooperative Education III - Psychiatric/ Mental Health Services Technician

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among (3 credits)

the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component (1 lecture hour and 20 lab hours per week) Prerequisite: DAAC 1381 [CIP51.1502]

SCWK 1313 Introduction to Social Work

people, and critical events that have shaped the profession. (3 lecture hours per week) [CIP: 44.0701] An overview of the social work profession and introduction to the terms, concepts,

Industrial Design Technology

James Langley, Department Chairperson Gonzales

ARCE 1452 Structural Drafting

A study of structural systems including concrete foundations and frames, wood framing and trusses, and structural steel framing systems; Includes detailing of concrete, wood, and steel to meet industry standards including the American Institute of Steel Construction and The American Concrete Institute. Identify components of structural systems; use reference materials; produce drawings for concrete, wood, and and draw column and beam details for manufacture and assembly utilizing various fastening methods. (2 lecture and 6 lab hours per week) Prerequisites: DFTG 2419 steel framing systems; draw design details and connections for framing components; (4 Credits) [CIP04.0901]

DFTG 1405 Technical Drafting

to include terminology and fundamentals, including size and shape descriptions, projection methods, geometric construction, sections, and auxiliary views. Create technical sketches, geometric constructions, orthographic projections, pictorial/sectional views, and dimensioned drawings. (2 lecture and 6 lab hours per week) Prerequisites: DFTG 1409. [CIP15.1301] introduction to the principles of drafting (4 credits)

DFTG 1409
Basic Computer Aided Drafting

(4 credits)
An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, and sold the storing and scaling objects. using layers, coordinate systems, and plot

print to scale. Identify terminology and basic functions used with CAD software; use CAD hardware and software to create, display, and plot/print working drawings. (2 lecture and 6 lab hours per week) Prerequisite: POFI 1204 or as corequisite with dept. approval. [CIP15.1302]

DFTG 1433 Mechanical Drafting

Study of mechanical drawings using dimensioning and tolerances, sectioning techniques, orthographic projection, and pictorial drawings. Develop a set of working drawings including assembly, detail, and pictorial. (2 lecture and 6 lab hours per week) Prerequisite: DFTG 1445 [CIP15.1306] (4 credits) Study of

Parametric Modeling and Design **DFTG 1445**

4 credits

3D design and drafting. Use parametric modeling techniques to create rendered assemblies, orthographic drawings, auxiliary views, and details from 3-dimensional models. Prerequisite: POFI 1204 or as corequisite with dept. approval. (2 lecture and 6 lab hours per week). [CIP15.1306] arametric-based design software

DFTG 2406 Machine Design (4 Credits)

design process, terminology, and mechanical processes to produce drawings. (2 lecture and 6 lab hours per week). Prerequisite: DFTG 1433. [CIP15.1306] Theory and practice of design. Projects in problem-solving, including press fit, bolted and welded joints, and transmission components. Utilize the steps used in the

DFTG 2419

intermediate Computer-Aided Drafting

drafting including the development and use of prototype drawings, construction of pictorial drawings, extracting data, and basics of 3D. Produce 2D and 3D drawings, pictorial drawings; use external referencing of multiple drawings to construct a composite drawing, and import and extract data utilizing attributes. (2 lecture and 6 lab hours per week) Prerequisites: DFTG 1409. [CIP15.1302] (4 credits) AutoCAD. techniques used in basic computer-aided A continuation of practices and

DFTG 2423 Pipe Drafting (4 credits)

A study of pipe fittings, symbols, specifications and their applications to a piping process system. Creation of symbols and their usage in flow diagrams, plans, elevations, and isometrics. Create drawings of foundations, structural supports, and

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process equipment; identify symbols and research specifications; generate a bill of material list; use charts and standards; generate isometric drawings; and calculate measurements for pipe fittings. (2 lecture and 6 lab hours per week) Prerequisites: DFTG 2419 or as corequisite with dept. approval. [CIP15.1302]

Civil Drafting (4 credits) **DFTG 2430**

in-depth study of drafting methods and principles used in civil engineering. Interpret field notes; develop documents for a civil project; analyze and layout drainage and utilities infrastructure; and perform related calculations. (2 lecture and 6 lab hours per week). Prerequisites: DFTG 1409 Corequites: DFTG 2419. [CIP15.1304]

DFTG 2435 Advanced Technologies in Mechanical (4 credits) Design & Drafting

Use parametric-based software for mechanical design for advanced modeling and analysis. Create advanced surfaces, patterns, and sketched features; create simulations of loads and constraints; review and interpret static and thermal analysis; create tables; and customize user interface. (2 lecture and 6 lab hours per week). Prerequisite: DFTG 1433, DFTG 1445. [CIP15.1306]

DFTG 2440 Solid Modeling/Design (4 credits)

AutoCAD. A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three dimensionalmodels in design work. Create three-dimensional solid model objects; and generate pictorial and orthographic drawings. (2 lecture and 6 lab hours per week). Prerequisite: DFTG 1409 [CIP15.1302]

Advanced Pipe Drafting (4 Credits) **DFTG 2445**

engineering notes and process flow diagrams; solve design implementation problems; apply appropriate codes and standards; document the implementation of a comprehensive industrial plan; create details for cost effective implementation; and integrate appropriate instrumentation and industrial devices. (2 lecture and 6 lab hours per week). Prerequisite: DFTG 2423 [CIP15.1302] A continuation of pipe drafting concepts building on the basic principles acquired in pipe drafting. Compile a comprehensive set of construction documents from

DFTG 2450 Geometric Dimensioning and Tolerancing

tolerances to production drawings. Apply tolerance, feature control frame, feature of size, datums, form, orientation, location, runout, and profile controls between various parts. Prerequisite: DFTG 1445. Corequisite: DFTG 1433. (2 lecture and 6 lab hours per week) [CIP15.1306] (4 credits)

Geometric dimensioning and tolerancing, according to standards, application of various geometric dimensions and polymerical dimensions. Apply

DFTG 2457

& Drafting Advanced Technologies in Pipe Design 4 credits

design software. Use pipe design software; dimension and annotate pipe drawings; reference materials; apply pipe drafting design methods and standards; develop 2D and 3D drawings; and develop flow diagrams and P&IDs. Prerequisite: DFTG 1445 (2 lecture and 6 lab hours per week) [CIP15.1302] Advanced design and production techniques using specialized process plant based

DFTG 2481
Cooperative Education (4 credits)

will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry. (1 lecture and 21 lab hours per week) learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. As outlined in the [CIP15.1301] the student's area of specialization offered through an individualized agreement among Career-related activities encountered in

ENTC 1423 Strength of Materials

Study of the relationship between externally applied forces and internally induced stresses and the resulting deformations in structural members. Identify the principles behind moments of interim and explain the relationship between that principle and the shape's cross-sectional geometry and reference axis; and calculate the torsional shearing stress on a solid round shaft subjected to various torques and norsepower requirements. Prerequisite:

TECM 1317 (2 lecture and 6 lab hours per week). [CIP15.0000]

TECM 1317 Technical Trigonometry

(3 Credits) riangular measurements and calculations

technical/industrial applications. Calculate right triangles and oblique triangles; convert between polar and rectangular vectors; add and subtract vectors; and analyze sine and cosine waveforms used in technical/ industrial applications. (2 lecture and 2 lathours per week) Prerequisite: Math 1314. [CIP27.0301]

Management -

Lisa Akheituame Chairperson Susan Weatherford, Department

BMGT 1305

Communication Skills in Management (3 credits)

Basic theory and processes of communication skills necessary for the management of an organization's workforce. A comprehensive study of communications skills for managers. Includes techniques in reading, writing, listening, and speaking. Emphasizes clear, concise written and verbal/non-verbal communication. Also covers skills for time management. (3 lecture hours & 1 lab hour per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or ENGL 0309. [CIP 52.0201]

(3 credits) Principles of Management **BMGT 1327**

management. The student will explain the various theories and processes of management including its functions; identify roles of leadership in business; and recognize elements of the communication process and a management for organizational design. (3 the guidelines for organizational design. lecture hours per week). [CIP52.0201] The concepts, terminology, principles, theories, and issues in the field of management. The student will explain

BMGT 1382 Cooperative Education-Business Administration and Manag General Management,

(3 credits)
Career related activities encountered in the student's area of specialization are offered through an individualized agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific

Course Descriptions

learning objectives guide the successive through the paid or unpaid work experience. This course may be repeated if topics and contact Dept. learning outcomes vary. Contact Dept. Chair prior to registering. (1 lecture and 20 lab hours per week).

[CIP52.0201] objectives guide the student

Problem Solving and Decision Making (3 credits)

processes in organizations, utilizing logical and creative problem solving techniques. Application of theory is provided by experiential activities using managerial ongoing search for better decisions, or judgment . (3 lee per week). [CIP52.0201] experiential activities using managerial decision tools. Skills and attitudes will be built around a series of critical questions. Decision These critical questions provide a structure for critical thinking that support a continual, making and problem solving (3 lecture hours opinions

BMGT 2382

Cooperative Education - Business
Administration & Management, General II (3 credits

learning objectives guide the student through the paid or unpaid work experience. This course may be repeated if topics and learning outcomes vary. Contact Dept. Chair prior to registering. (1 lecture and 20 lab hours per week).[CIP52.0201] the student's area of specialization are offered through an individualized agreement between the college, employer and student. learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student employer, the student combines classroom learning with work experience. Directly Under supervision of the college and the Career related activities encountered in

BMGT 2383
Cooperative Education - Business
Administration & Management, General III

between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning outcomes vary. Contact Dept. Chair prior to registering. (1 lecture and 20 lab hours per week.) [CIP52.0201] through the paid or unpaid work experience. This course may be repeated if topics and offered through an individualized agreement Career related activities encountered in the student's area of specialization are (3 credits) objectives guide the student

BUSG 2309

Small Business Management

(3 credits)
A study of the for starting study of the concepts and skills necessary starting and operating a small business

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including planning, organizing, staffing, managing, financing, marketing, and accounting functions. (3 lecture hours per week). [CIP52.0703]

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HRPO 1311

(3 credits **Human Relations**

concepts of the behavioral sciences to interpersonal relationships in the business and industrial environment. (3 lecture hours per week). [CIP52.1003] Practical application of the principles and

HRPO 1391

Special Topics in Human Resources Management

(3 credits)

occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. (3 lecture hours per week). [CIP52.1001] events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or opics address recently identified current and/or attitudes

Human Resources Management

(3 credits)

actions; assess methods of compensation and benefits planning; and examine the role of strategic human resource planning in support of organizational mission and objectives. (3 lecture hours per week) organizations. The student will describe and explain the development of human management of human resources in organizations. The student will describe selection, training/development performance appraisal, promotion, and separation; discuss management's ethical methods of job analysis, resources management; evaluate current Behavioral and legal approaches to the socially responsible, and [CIP52.1001] (3 lecture hours per week) legally required recruitment and

Organizational Behavior **HRPO 2307**

organizational theory, group dynamics, motivation theory, leadership concepts, and the integration of interdisciplinary concepts from the behavioral sciences. (3 lecture hours per week). [CIP52.1003] (3 credits)
The ana analysis and application

MRKG 1391

Special Marketing Management Topics in Marketing and

(3 Credits

events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course Topics address recently identified current

was designed to be repeated multiple times to improve student proficiency. This course examines the characteristics of the service domain which today is the dominate industry in the United States. The planning, organization, production and marketing of quality services will be the focus of the course. It is designed to help develop an understanding of the unique marketing needs and management challenges faced by service organizations through examining customer interactions and perceptions to service experiences. (3 lecture hours per service experiences. (3 lecture week). Prerequisite: MRKG 1311 [CIP 52.1401]

Principles of Marketing **MRKG 1311**

(3 credits)

consumer and organizational needs, explanation of environmental, economic, psychological, sociological, and global issues, and description and analysis of the importance of marketing research.
The student will identify the marketing mix components in relation to market segmentation and interpret market research marketing Offered Spring Semester Only data to forecast industry trends and meet customer demands. (3 lecture hours per week). [CIP52.1401] course s is an introduction to basic functions, identification of organizational needs

Principles of Selling **MRKG 2333**

(3 credits)
Offered Fall Semester Only

Overview of the selling process. Identification of the elements of the communication process between buyers and sellers. Examination of the legal and ethical issues of organizations which affect salespeople. (3 lecture hours per week). [CIP 52.1401]

Advertising & Sales Promotions MRKG 2349

(3 credits

Includes advertising principles and practices. Emphasizes multi-media of persuasive communication including buyer behavior, budgeting, and regulatory constraints. (3 lecture hours per week). Prerequisite: MRKG-1311. [CIP52.1401] integrated marketing communications

Mathematics

Ralph Best, James Boler, Deanna Dick, Robin Harbour, Charles Kilgore, Bette Robin Harbour, Charle Nelson, Sosina Peterson Jennifer Hopkins, Department Chairperson

NOTE: The basics of arithmetic and algebra are taught in MATH 0310, MATH 0311, and MATH 0312. These courses benefit students needing additional preparation for

2016-17

to improve their mathematical skills. One or all of these courses may be required by state law, or by the ACC Developmental Education Plan, for students whose scores cutoff levels. on placement tests fall below established college level work and those desiring only

NCBM 0200 Non-Course Based Mathematics (2 credits)

This course includes topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and real number systems. (1.5 lecture hours and 1/2 lab hour per week). [CB32.0104.5319]

MATH 0309 Pre-Algebra (3 credits)

This course offers instruction and practice in basic arithmetic operations, geometry, and statistics. Topics covered include operations on whole numbers, fractions, decimals, percents, descriptive statistics, geometry, and a study of signed numbers. The purpose of MATH 0309 is to prepare the students for MATH 0310. Enrollment in this course is based upon a self-perceived need to develop the skills covered or upon the college placement test. (3 lecture hours and 1 lab hour per week). [CB32.0104.5119]

Developmental Mathematics - Algebra **MATH 0310**

and inequalities, applications, polynomial, and rational expression operations and equations. The purpose of MATH 0310 is to prepare students for MATH 0312. Students enrolling in this course must meet the developmental algebra standard on the placement test. Prerequisite: NCBM 0200 or MATH 0309. (3 lecture hours and 1 lab hour per week). **[CB32.0104.5119]** (3 credits) course includes linear equations

PreStatistics (3 credits) **MATH 0311**

Development of mathematical reasoning and problem-solving abilities with an emphasis on preparation for a course in Statistics. Includes concepts from algebra, a number systems, probability, and use of formulas. The purpose of MATH 0311 is to prepare students for MATH 1342 or MATH 1332. Students enrolling in this course must meet the developmental algebra standard on the placement test. Prerequisite: NCBM 0200 or MATH 0309. (3 lecture hours and 1 lab hour per week). [CB32.0104.5119] Students enrolling in this course must

Developmental Mathematics - Intermediate Algebra (3 credits) **MATH 0312**

inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. Student enrolling in this course must meet the intermediate algebra standard on the placement test or have passed MATH 0310 with a grade of A, B, or C. Prerequisite: MATH 0310. (3 lecture hours per week). [CB32.0104.5219] A study of relations and functions,

MATH 1314 College Algebra (3 credits)

such as sequences, series, probability, and conics may be included. Graphing calculators (TI-83, TI-84 or comparable models) are required. Students enrolling in this course must meet the college algebra standard on the placement test or have passed MATH 0312 with a grade of A, B, or In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics C. (3 lecture hours per week). Prerequisite: TSI Met in Math. [CB27.0101.5419]

(3 credits) Finite Math **MATH 1324**

logarithmic, and rational functions to problems in business, economics, life and social sciences is addressed. (3 lecture hours per week). Prerequisite: TSI Met in Math [CB27.0301.5219] functions including polynomial, exponential, logarithmic, and rational functions to This course covers interest, annuities, and the mathematics of finance, systems of linear equations, matrices, linear simplex method, set theory, counting techniques, combinatorics, and probability (including expected value). Additionally, the application of common algebraic simplex method, set inequalities, linear programming,

Business Calculus MATH 1325

indefinite integrals, definite integrals, and functions of two or more variables. Applications in business and economics will be emphasized. (3 lecture hours per week). Prerequisite: MATH 1314 or MATH 1324. Prerequisite: MATI [CB27.0301.5319] This course is designed for business, economics, management, and finance students. The course includes a study of derivatives, higher order derivatives, (3 credits)
This cours

MATH 1332

(3 credits) Contemporary Mathematics I

humanities and human/social sciences. It is not intended for mathematics, science, engineering, elementary education or business majors. The course emphasizes an appreciation of the art, history, beauty, and application of mathematics. Topics may include sets, logic, number theory, measurement, geometric concepts, and an introduction to probability and statistics. (3 lecture hours per week). Prerequisite: TSI Met in Math [CB27.0101.5119] This course is designed for liberal arts

MATH 1333

(3 credits) Contemporary Mathematics for Tech

degree programs. Topics will include: a survey of equations, a survey of relations and functions, probability and statistics, and applications. This course will satisfy the math requirements of the Associate of Applied Science, but does not satisfy the math requirements of the Associate of Arts, The Associate of Science, or the Associate of Arts in Teaching degree. Prerequisite: TSI Met in Math. (3 lecture hours per week). [CB27.0101.5119] principles and applications of mathematics This course provides a broad background in

(3 credits) **Elementary Statistical Methods MATH 1342**

Course Descriptions

This course includes collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. (3 lecture hours per week). Prerequisites: TSI Met in Math. [CB27.0501.5119]

MATH 1350

Fundamentals of Mathematics I (3 credits)

on problem solving and critical thinking. (3 lecture hours per week) Prerequisite: MATH 1314 or equivalent or higher level math. [CB27.0101.5619] Topics and concepts in this course include concepts of sets, functions, numeration systems, number theory, and properties and real number systems with an emphasis This course is designed specifically for students who seek teacher certification. the natural numbers, integers, rational

Fundamentals of Mathematics II (3 credits) **MATH 1351**

algebraic properties of real numbers to concepts of measurement with an emphasis on problem solving and critical thinking. (3 lecture hours per week) Prerequisite: MATH 1314 or MATH 1350 or equivalent. and statistics, as well as applications of algebraic properties of real numbers to Topics students who [CB27.0101.5719] course is designed specifically for and concepts in this course seek teacher certification.

Linear Algebra **MATH 2318**

eigenvalues, eigenvectors, and applications transformations, matrices, determinants spaces, linear independence, bases, linear This course includes such topics as vector (3 lecture hours per week). Prerequisite: MATH 2413 or departmental approval [CB27.0101.6319]

MATH 2320

Differential Equations (3 credits)

Eigenvectors are introduced in order to solve Systems of Linear Differential Equations. Fourier Series are introduced. (3 lecture hours per week). Prerequisite: MATH 2414 or departmental approval. Undetermined Coefficients and Variation of Parameters, and Power Series Methods. The Laplace Transform is used to solve Initial Value Problems. Eigenvalues and Equations and Applications. Included are First Order Equations, Linear Homogeneous Equations with Constant Coefficients, [CB27.0101.6419] course covers Ordinary Differential tions and Applications. Included are

MATH 2412

(4 credits) **Pre-Calculus Math**

trigonometric identities and equations, operations, logarithmic functions, and analytic geometry. (4 lecture hours per week). Prerequisite: MATH 1314 or departmental approval. applications of trigonometry, exponential and This course covers a review of algebraic [CB27.0101.5819] trigonometric functions,

MATH 2413 Calculus

(4 credits)

are limits and continuity, the Fundamental Theorem of Calculus, definition of the derivative of a function and techniques of differentiation, applications of the derivative of mathematics, engineering, and science students. Topics included in this course This course is designed to meet the needs

> trigonometric, and transcendental functions with an application to calculation of areas. (4 lecture hours per week). Prerequisites: MATH 2412 or departmental approval. to maximizing or minimizing functions, the chain rule, the mean value theorem, rate of change problems, curve sketching, definite and indefinite integration of algebraic, [CB27.0101.5919]

(4 credits) Calculus II **MATH 2414**

integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; power series; and improper integrals. (4 lecture hours per week). Prerequisites: MATH 2413 or equivalent course. [CB27.0101.6019] This course includes differentiation and equivalent

MATH 2415 Calculus III

(4 credits This course includes advanced topics in

Lagrange multipliers, multiple integrals, and Jacobians; line integrals and applications including Green's Theorem, the Divergence calculus, including vectors and vector-valued functions, vector fields, partial differentiation, Theorem, and Stokes' Theorem. (4 le hours per week). Prerequisite: MATH or equivalent course. [CB27.0101.6119]

Music

Kevin Moody, Department Chairperson David Griffith

GENERAL MUSIC

Class Piano I **MUSI 1181**

(1 credit)

Class instruction in the fundamentals of keyboard technique for beginning piano students. (1 lecture and 1 lab hour per week). [CB50.0907.5126]

MUSI 1182

(1 credit) Class Piano II

keyboard technique for beginning piano students. (1 lecture and 1 lab hour per week). [CB50.0907.5126] Class instruction in the fundamentals of

MUSI 1183

(1 credit) Voice Class

and diction. Designed for students with little singing including breathing, tone production, Class instruction in the fundamentals of

or no previous voice training. (1 lecture and 2 lab hours per week). [CB50.0908.5126]

MUSI 1188

Percussion Class

(1 credit)

techniques of playing and teaching percussion instruments. (1 lecture and 2 lab hours per week). [CB50.0903.5126] instruction in the fundamentals

MUSI 1192

Guitar Class

(1 credit)
Class instruction in the fundamental class instruction in the fundamental techniques of playing guitar. (1 lecture and 2 lab hours per week). [CB50.0911.5126]

MUSI 1211 Music Theory I

(2 credits)

compositional forms. Correlated study at the keyboard. (2 lecture & 1 lab hour per week). Prerequisite: TSI Met. Corequisite: MUSI diatonic harmony up to and including the chords. Analysis and writing of small 1216 [CB50.0904.5126] the chords. Analysis Analysis and writing of tonal melody and

MUSI 1212

Music Theory II

(2 credits)

diatonic harmony up to and including the chords. Analysis and writing of small compositional forms. Correlated study at the keyboard. (2 lecture & 1 lab hour per week). Prerequisite: TSI Met and MUSI 1211. Analysis and writing of tonal melody and Corequisite: MUSI 1217 [CB50.0904.5126]

MUSI 1216

(2 credits) Sight Singing & Ear Training I

tenor clefs. Aural study, including dictation, of rhythm, melody, and diatonic harmony.(2 lecture & 1 lab hour per week). Corequisite: MUSI 1211. [CB50.0904.5626] Singing tonal music in treble, bass, alto,

Sight Singing & Ear Training II

(2 credits)

tenor clefs. Aural study, including dictation, of rhythm, melody, and diatonic harmony. (2 lecture & 1 lab hour per week). Prerequisite: Singing tonal music in treble, bass, alto, and MUSI 1216. Corequisite:

[CB50.0904.5626]

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MUSI 1301

(3 credits) **Fundamentals of Music**

and rhythm. (Does not apply to a music major degree.) (3 lecture hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CB50.0904.5526] training, keyboard harmony, notation, meter, music theory for non-music majors: scales, intervals, keys, triads, elementary ear Introduction to the basic elements of

MUSI 1306

Music Appreciation (3 credits)

recordings and live performances. (Does not apply to a music major degree.) (3 lecture hours per week). Prerequisites: INRW 0309, DIRW/DIRR 0309 or READ 0309. of cultural periods, major composers, and musical elements. Illustrated with audio [CB50.0902.5126] Understanding music through the study

MUSI 1307 Music Literature

of major composers. (3 lecture hour per week). Prerequisites: INRW 0310 DIRWIDIRR 0310 or ENGL/READ 0310 cultural periods as illustrated in the literature of major composers. (3 lecture hours per week). Prerequisites: INRW 0310, [CB50.0902.5126] (3 credits)
Survey of the principal musical forms and

Music Literature I (3 credits) **MUSI 1308**

per week). Prerequisites: INRW 0310, DIRW/DIRR 0310 or ENGL/READ 0310 cultural periods as illustrated in the literature of major composers. (3 lecture hours per week). Prerequisites: INRW 0310, Survey of the principal musical forms and

[CB50.0902.5226]

MUSI 1309 Music Literature II

(3 credits) Survey of cultural periods as illustrated in the literature of major composers. (3 lecture hours per week). Prerequisites: INRW/ 0310, DIRW/DIRR 0310 or ENGL/READ 0310. [CB50.0902.5226] the principal musical forms and

American Music (3 credits)

General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music. (3 lecture hours per week). Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309 [CB50.0902.5326]

MUSI 2181

(1 credit) Class Piano III

week). [CB50.0907.5126] Class instruction in the fundamentals of keyboard technique for beginning piano students. (1 lecture and 1 lab hour per

Class Piano IV **MUSI 2182**

(1 credit)

week) [CB50.0907.5126] students. Class instruction in the fundamentals of keyboard technique for beginning piano (1 lecture and 1 lab hour per

Music Theory III MUSI 2211

(2 credits)

and survey of the traditional large forms of composition. Correlated study at the keyboard. (2 lecture & 1 lab hour per week). Prerequisite: MUSI 1212, Corequisite: Advanced harmony part writing and keyboard analysis and writing of more advanced tonal harmony including chromaticism and extended tertian structures. Introduction to 20th century compositional procedures Prerequisite: MUSI 1212, o MUSI 2216. [CB50.0904.5226]

Music Theory IV MUSI 2212 2 credits

and survey of the traditional large forms of composition. Correlated study at the keyboard. (2 lecture & 1 lab hour per week). Prerequisite: MUSI 2211. Corequisite: MUSI 2217 [CB50.0904.5226] extended tertian structures. Introduction Advanced harmony part writing and keyboard analysis and writing of more advanced tonal harmony including chromaticism and 20th century compositional procedures

Sight Singing & Ear Training III (2 credits MUSI 2216

[CB50.0904.5726] and extended tertian structures. (2 lecture Singing more difficult tonal music including modal, ethnic, and 20th century materials. Aural study, including dictation of more complex rhythm, melody, chromatic harmony, lab hour per week). Prerequisite: 1217. Corequisite: MUSI 2211.

Sight Singing & Ear Training IV (2 credits) **MUSI 2217**

Singing more difficult tonal music including modal, ethnic, and 20th century materials. Aural study, including dictation of more complex rhythm, melody, chromatic harmony, and extended tertian structures. (2 lecture

ENSEMBLES

[CB50.0904.5726]

& 1 lab hour per week). Prerequisite: MUSI 2216. Corequisite: MUSI 2212.

MUEN 1125, 1126, 2125, 2126

(1 credit each)

instructor. This course can be repeated for credit. (4 rehearsal hours per week). [CB50.0903.5526] and performs standard and contemporary jazz and rock music. Membership is This small instrumental ensemble rehearses and rock music. Members of the n to all students by approval of the This course can be repeated week).

MUEN 1122, 1123, 2122, 2123 Concert Band

1 credit each)

per week). [CB50.0903.5526] wind ensemble literature. be repeated for credit. (This large instrumental ensemble rehearses performs standard and contemorary ensemble literature. This course can (4 rehearsal hours

Jazz Lab MUEN 1135, 2135

(1 credit each)

and performs standard and contemporary combo literature. This course can be repeated for credit. (3 hours per week). [CB50.0903.5626] This small instrumental ensemble rehearses

MUEN 1141, 1142, 2141, 2142 Concert Choir

(1 credit each)

repeated for credit. (4 rehearsal hours per week). [CB50.0903.5726] This large vocal ensemble rehearses and performs traditional and contemporary choral literature. This course can be repeated for credit. (4 rehearsal hours per

Musical Theater MUEN 1144, 2144

(1 credit each)

[CB50.0903.5726] repertoire. course stresses the study and performance of works selected from the musical theater This course can be repeated for credit. This (4 rehearsal hours per week).

Chamber Singers MUEN 1151, 1152, 2151, 2152

(1 credit)

Students are expected to also enroll in Concert Choir. This course can be repeated for credit. (4 rehearsal hours per week). [CB50.0903.5826] Students chamber choir literature. performs traditional and contemporary is available to all students This small vocal ensemble rehearses and by audition. Membership

APPLIED MUSIC

All applied music courses are under [CB50.0903.5426]

MUAP 1217, 1218 Applied Music Woodwind (2 credits each)

flute, oboe, or saxophone. (2 lecture hours per week). instruction per week in bassoon, clarinet, These courses provide one hour of individual

MUAP 1237, 1238

Applied Music Brass (2 credits each)

These courses provide one hour of individual instruction per week in trumpet, trombone, French horn or tuba. (2 lecture hours per

MUAP 1257, 1258 Applied Music Percussion

(2 credits each)

instruction a week in the use of percussion instruments. (2 lecture hours per week). These courses provide one hour of individual

MUAP 1261, 1262

(2 credits each) **Applied Music Guitar**

These courses provide one hour of individual instruction a week in guitar. (2 lecture hours

MUAP 1269, 1270

Applied Music Piano (2 credits each)

per week). instruction a week in piano. (2 lecture hours These courses provide one hour of individual

MUAP 1281, 1282

Applied Music Voice

(2 credits each)

These courses provide one hour of individual instruction per week in voice. (2 lecture hours per week).

MUAP 2217, 2218

Applied Music Woodwind (2 credits each)

These courses provide one hour of individual instruction per week in bassoon, clarinet, flute, oboe, or saxophone. (2 lecture hours per week).

Applied Music Brass MUAP 2237, 2238

(2 credits each)
These courses provide one hour of individual

French horn or tuba. instruction per week in trumpet, trombone, (2 lecture hours per

MUSC 2447

Audio Engineering III

(4 credits

MUAP 2257, 2258

Applied Music Percussion (2 credits each)

instruments. (2 lecture hours per week). individual instruction per week in percussion courses provide one hour 0

MUAP 2261, 2262 Applied Music Guitar (2 credits each)

These courses provide on hour of individual instruction per week in guitar. (2 lecture hours per week).

MUAP 2269, 2270 Applied Music Piano (2 credits each)

hours per week). instruction per week in piano. These courses provide one hour of individual (2 lecture

MUAP 2281, 2282 **Applied Music Voice**

(2 credits each)

hours per week). instruction per week in voice. (2 lecture These courses provide one hour of individual

RECORDING

Audio Engineering I **MUSC 1327**

and operation, and an overview of mixing and editing (2 lecture and 4 lab hours per week). [CB 10.0203] set up and signal flow, console theory, signal processing concepts, multi-track principles principles, waveform properties, microphone concepts and placement techniques, studio basic studio electronics and (3 credits)
Overview of the recording studio. Includes acoustic

MUSC 2427 Audio Engineering II

(4 credits

multi-track recorder, and signal processing devices. (2 lecture and 4 lab hours per week). Prerequisites: MUSC 1327. including microphones, audio console implementation of the recording process

[CB 10.0203]

Advanced practice of procedures and techniques in recording and manipulating audio. Includes digital audio editing, advanced recording techniques, a advanced engineering projects. (2 lectuand 4 lab hours per week). [CB 10.0203] techniques, and projects. (2 lecture

Neurodiagnostic Technology (NDT)

Angelia Klaproth, Department Chairperson

ENDT 1310

Neuroanatomy & Physiology - EEG

(3 credits)

hours per week) [CIP 51.0903] exam, and diagnostic tools applied to the study of various neurologic Requires departmental approval. (3 lecture and physiology.

ENDT 1345

Applied Electronics & Instrumentation (3 credits) Theory & application of electrical concepts,

such as the power supply, contribution of electrodes, differential amplifier concepts, filters (low frequency, high frequency and 60-Hz filters), the writer unit, electrical output, electrical safety, and standards recording techniques, data analysis, and descriptions. Includes electronics & instrumentation associated with the for clinical electroencephalographs. Also covers ambulatory monitoring & digital electroencephalography. Requires departmental approval. (2 lecture hours & 2 lab hours per week) conventional electroencephalograph

[CIP 51.0903]

ENDT 1350

Electroencephalography (3 credits)

histories, careful handling of the patient, and reviewing normal and abnormal brainwaves, identifying artifacts, EEG instrumentation, pattern recognition, and sleep recordings. Includes examination of EEG findings in EEG procedures. Requires departmental approval. (2 lecture hours & 2 lab hours per week) [CIP 51.0903] The field of electroencephalography (EEG) and its use in medicine & surgery. Emphasizes patient hookup, taking **Emphasizes** neurological disease and introduces specia

4 credits

concepts. Direct supervision is provided by the clinical professional. (20 clinical hours per week) Prerequisites: ENDT 1345, ENDT 1350, Corequisite: ENDT 2320. specialized occupational theory, skills, and experience that enables the student to apply health-related work-based learning

[CIP 51.0903]

(2 credits) **Evoked Potentials ENDT 2210**

somatosensory, visual and brainstem auditory evoked responses, and practical application and evaluation of EP data. (2 lecture hours per week) Prerequisites: ENDT 1345, ENDT 1350. [CIP 51.0903] EP history, signal averaging, statistics, A/D converter, amplifiers, filters, and stimulators. Includes recording evoked potentials from volunteers and observing the effect of different variables. Emphasizes Evoked potentials (EP) instrumentation, EP history, signal averaging, statistics, A/D converter, amplifiers, filters, and

ENDT 2215 Nerve Conduction Studies (2 credits)

for reaching less accessible regions of the nervous system. (2 lecture hours per week) Prerequisites: ENDT 1345, ENDT 1350. electromyography and methods designed conduction studies, and methods designed to assess neuromuscular transmission. Includes conventional and single-fiber Electrodiagnostics, [CIP 51.0903] principles of nerve

ENDT 2320 Electroneurodiagnostics Technology I (3 credits)

cerebral disorders and diagnosis. (2 lecture hours & 2 lab hours per week) Prerequisites: ENDT 1350 & ENDT 1345. [CIP 51.0903] correlates. Includes an examination of electroencephalographic sign of cerebral disorders, the study of specific neurological disease entities, and the integration of electroencephalography Explores abnormal functional neuroanatomy functional neuroanatomy and physiology Electroneurodiagnostics physiological conditions patterns and norma and ð

Electroneurodiagnostics Technology II

physiology. abnormal functional neuroanatomy Electroneurodiagnostics and normal further (4 credits) explore and introduce This course is designed to disease specific and and

> conditions and electroencephalographic correlates. (3 lecture & 2 lab hours per week) Prerequisites: ENDT 1463 Corequisites: ENDT 2463. [CIP 51.0903] for these processes. Identifies abnormal functional neuroanatomy & physiological integrate electroencephalographic patterns

ENDT 2463 Clinical II - Electroneurodiagnostics (4 credits) Technology

[CIP 51.0903]

by the clinical professional. (20 clinical hours per week) Prerequisites: ENDT 1463 Corequisite: ENDT 2425. [CIP 51.0903] experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided health-related work-based learning

ENDT 2661 Clinical III - Electroencephalography (6 credits)

concepts. Direct supervision is provided by the clinical professional. (30 clinical hours per week) Prerequisites: ENDT 1463, ENDT 2463. [CIP 51.0903] experience that enables the student to apply specialized occupational theory, skills, health-related work-based learning

(2 credits) Modalities for Spine Surgery

to the environment of operating room. (2 lecture hours per week). Prerequisites: ENDT 1310 ENDT 1345, IONM 1570; Corequisites: ENDT 2210, ENDT 1350, IONM 1572. [CIP 51.0903] and decompression. Detailed review of instrumentation and recording modalities, signal averaging, statistics, A/D converter, amplifiers, filters, and stimulators as it applies indications for spine surgery, such as, spinal deformities, stabilization, tumor removal a review of basic spine anatomy and clinical aspects of spinal cord surgeries. Introduces comprehensive course covering all

(5 credits) Introduction to IONM Topics **IONM 1570**

Introduction to IONM is a course that will explore the field of intraoperative neurophysiologic monitoring and give students an opportunity to learn the basics of neuroprotection in the operating room, including evoked potential, nerve conduction and electromyography testing modalities. The course will also cover basic patient care skills, medical terminology, and anesthesia topics. (3 lecture and 6 lab hours per week). Prerequisite: BIOL 2401, Corequisite: ENDT 1310. [CIP 51.0903]

Clinical I - IONM

(5 credits)

experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional (16 clinical hours per week). Prerequisite: IONM 1570, ENDT 1310, ENDT 1345, Corequisites: IONM 1270, ENDT 2210, ENDT 1350. A health related work-based learning

ONM 2270

(2 credits) Modalities in Specialty Procedures

on expected response, anesthesia, and troubleshooting techniques during such critical points. (2 lecture hours per week). Prerequisites: IONM 1270, IONM 1572, ENDT 2210, ENDT 1350, Corequisites: ENDT 2215, IONM 2570. [CIP 51.0903] the types of neurophysiologic monitoring used to ensure neuroprotection during critical stages of the surgery. A review of instrumentation components and settings. Details of each type of surgery and properly identifying critical points with emphasis cardiovascular and epilepsy surgeries and Includes an in depth review of neurosurgical

IONM 2570

Clinical II - IONM (5 credits)

experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. (24 clinical hours per week). Prerequisites: IONM 1270, IONM 1572, ENDT 2210, ENDT 1350, Corequisites: IONM 2270, ENDT 2215. [CIP 51.0903] A health related work-based learning

Nursing

Debra Fontenot, Director (Associate Degree)

West, Ashley White, Jocelyn Wiltz Christy Scales, Wendy Stewart, Estes, Tana Haftner-Burton, Janet MeKonnen Birru, Kristin Elsner, Mary Alice Catina

Integrated Nursing Skills II **RNSG 1129**

(1 credit)

includes knowledge, judgment, skills, and professional values within a legal/ethical framework. (3 lab hours per week). rramework. (3 lab hours per week)
Prerequisite: RNSG 1219. [CIP 51.3801] patients across advanced nursing skills for care of diverse necessary to Study of the concepts and principles perform the lifespan. intermediate Content

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neurological

processes