

Est. 1925

General Catalog for 2015-2016 July 2015 – VOL. LXXVII, No. 1

Addendum

Addendum Addensions & Academic Regulations

Revision Page 20

Revise TSI Assessment Scores **From:**

TSI Assessment:

 Reading:
 351

 Math:
 350

 Writing:
 363 combined with an essay score of 4; or an essay score of 5

To:

Reading: 351

Math: 350

Writing: At least a 350 **and** essay score at least a 5; OR At least a 363 **and** an essay score of 4; OR Less than a 350 **and** an ABE Diagnostic at least a 4 **and** essay score of at least a 5.

Addition Page 32

Victoria College Core Curriculum Courses Add: MATH 2412, GEOL 1303, GEOL 1345, GEOL 1347, MUSI 1307

ADDENDUM

Victoria College Core Curriculum Courses

Core Component	Core #	Course Selection		Minimum Hours Required	
	010	Select 1 ENGL 1301			
COMMUNICATION	010	Select 1	SPCH 1315, 1318	6	
MATHEMATICS	020	Select 1	MATH 1314, 1316, 1324, 1332, 1342, 2312, <mark>2412</mark> , 2413	3*	
			BIOL 1406, 1407, 1408, 1409, 2306, BIOL 2404, BIOL 2420		
			CHEM 1406, 1411, 1412		
LIFE AND PHYSICAL SCIENCES	030	Select 2	ENVR 1301, GEOL 1303, 1305, 1345, 1347, 1403, 1404	6* + *	
			PHYS 1315, 1401, 1402, 1410, 2425, 2426		
LANGUAGE, PHILOSOPHY & CULTURE	040	Select 1	ENGL 2322, 2323, 2327, 2328	3	
	050		ARTS 1301, 1303, 1304		
CREATIVE ARTS		Select 1	DRAM 1310	3	
			MUSI 1304, 1307, 1306, 1307, 1310		
AMERICAN HISTORY	060	Select 2	HIST 1301, 1302, 2301	6	
GOVERNMENT/ POLITICAL SCIENCE	070	Select 2	GOVT 2305, 2306	6	
SOCIAL AND BEHAVIORAL 080 SCIENCES		Select 1	ECON 2301, 2302, GEOG 1303		
			PSYC 2301, SOCI 1301	3	
			Any course listed above except ENGL 1301, GOVT 2305 and GOVT 2306		
		Select 6 SCH	BCIS 1305 (3) or COSC 1301 (3)		
			EDUC 1300 (3)		
			ENGL 1302 (3)		
COMPONENT AREA			ENGL 2311 (3)	c	
OPTION	090		MATH 1325 (3)	6	
			*OTHER HOURS – BIOL 1406 (1), 1407 (1), 1408 (1), 1409 (1), 2402 (1), 2420 (1), CHEM 1406 (1), 1411 (1), 1412 (1), GEOL 1403 (1), 1404 (1), MATH 2413 (1), PHYS 1401 (1), 1402 (1), 1410 (1), 2425 (1), 2426 (1)		

* Additional hours fall to Component Area Option or will fulfill degree requirements.

* Associate of Arts Degree - completion of two science courses with at least one course being a lab science course (may be used to satisfy core requirements).

* Associate of Science Degree - completion of two lab science courses (may be used to satisfy core requirements).

VICTORIA COLLEGE 2015-2016 CATALOG

Graduates with a Level 1 Certificate or higher are eligible to participate in the graduation ceremony.

Degree/Certificate Requirements

Graduation Application

A student who is a candidate for graduation may apply at the Welcome Center. Victoria College will award degrees when earned as determined by a curriculum audit against the student's declared major.

Graduates with a Level 1 Certificate or higher are eligible to participate in the graduation ceremony.

Addition Page 34

Add:

Completion of either ENGL 1302 or ENGL 2311
 Completion of BCIS 1305 or COSC 1301
 Renumber the remaining numbers accordingly.

Associate of Arts Degree

To earn an associate of arts degree, students must complete the following requirements:

- 1. Unconditional admission or the removal of all entrance conditions.
- Completion of a minimum of 60 semester credit hours with at least a 2.0 grade point average. Only Victoria College courses will be used in grade point average calculation.
- 3. Completion of at least 25 percent of semester credit hours earned through instruction at Victoria College.
- 4. Meet minimum standards of all areas of the assessment test to satisfy the Texas Success Initiative or meet exemption requirements.
- 5. Completion of Core Curriculum (42 hours). See page 32.
- 6. Completion of either ENGL 1302 or ENGL 2311
- 7. Completion of BCIS 1305 or COSC 1301
- 8. Completion of one literature course (3 hours) **in addition to core requirements**. Select one course: ENGL 2322, 2323, 2327, 2328, 2332, 2333
- 9. Completion of two science courses with at least one course being a lab science course (may be used to satisfy core requirements).

Add:

6. Completion of either ENGL 1302 or ENGL 2311

7. Completion of BCIS 1305 or COSC 1301

Renumber the remaining numbers accordingly.

Associate of Science Degree To earn an associate of science degree, students must complete the following requirements:

- Unconditional admission or the removal of all entrance conditions. 1.
- 2. Completion of a minimum of 60 semester credit hours with at least a 2.0 grade point average. Only Victoria College courses will be used in grade point average calculation.
- Completion of at least 25 percent of semester credit hours earned through instruction at Victoria 3. College.
- 4. Meet minimum standards of all areas of the assessment test to satisfy the Texas Success Initiative or meet exemption requirements.
- Completion of Core Curriculum (42 hours). See page 32. 5.
- Completion of either ENGL 1302 or ENGL 2311 6.
- 7. Completion of BCIS 1305 or COSC 1301
- 8. Completion of one mathematics course (3-4 hours) in addition to core requirements. Select one course: MATH 1314, 1316, 1324, 1325, 1332, 1342, 2312, 2413, 2414,
- 9. Completion of two lab science courses (may be used to satisfy core requirements).

⁶ General Regulations

Addition Page 63

Add: "Honors and Awards" to the directory information

Directory Information

The College will release the following items of directory information (as defined by the Family Education Rights and Privacy Act) without the written consent of the student: name, address, telephone number, date of birth, major, dates of attendance, degrees awarded, honors and awards, full and part-time status, enrollment and withdrawal verifications, student classification, and most recent previous institution attended. The College reserves the right, under the Family Education Rights and Privacy Act, to publish this information and routinely furnishes it to loan agencies, insurance companies, prospective employers, family members, etc. Students are responsible for informing the Admissions & Records Office in writing each semester if the above information is not to be released.

Tuition & Fees

Addition Page 69

Add: Course fees EDUC 1300 - \$71.00 and SDEV 0301 - \$71.00

Course Fees

EDUC 1300	71.00
SDEV 0301	71.00

Programs of Study Career, Health, and Technical Professions

Addition Page 110

Add Industrial Maintenance Mechanic, Machining Technology, & Emergency Medical Services to the Degrees listing

Two-Year Associate of Applied Science Degrees

Business Management Criminal Justice - Law Enforcement Electronics Technology/Instrumentation-Electronics Technology Specialization Electronics Technology/Instrumentation-Instrumentation Technician Specialization Emergency Medical Services Industrial Maintenance Mechanic Machining Technology Fire Science Nursing Physical Therapist Assistant Process Technology Respiratory Care

Addition Page 111

Add Industrial Maintenance Mechanic, Process Technology, & Paramedic to the Certificate listing

Certificates (* Indicates Level 1 Certificate)

Basic Peace Officer Basic Firefighter* Electronics Technology/Instrumentation-Instrumentation* Instrumentation/Measurement Technician* Industrial Maintenance Mechanic IT & LAN Support Technician* Office Management* Paramedic Process Technology Vocational Nursing Welding - Basic* Welding - Advanced*

Certificate - Basic Peace Officer Course

Add CJLE 1391 Basic Peace Officer V - 3 credit hours and change total credit hours to 24.

		Credit F	lours
1SDEV	0301	Learning Frameworks	0
*CJLE	1506	Basic Peace Officer I	5
*CJLE	1512	Basic Peace Officer II	5
*CJLE	1518	Basic Peace Officer III	5
*CJLE	1524	Basic Peace Officer IV	5
*CJLE	1391	Basic Peace Officer V	3
CJLE	1132	Physical Fitness for Law Enforcement	1
			24

Revision Page 117

SUMMER SESSION

AAS Criminal Justice - Law Enforcement - Degree Plan

- · Change Pre-Semester, First, Second, Third, Fourth Semesters to Summer, Fall, Spring, Fall, Spring
- Move ENGL 2311 to Sophomore Year Spring Semester

CRIMINAL JUSTICE - LAW ENFORCEMENT - DEGREE PLAN

- Move Humanities/Visual & Performing Arts Elective from Core Curriculum to Sophomore Year Fall Semester
- Change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective in the Sophomore Year Fall Semester

Credit Hours

1SDEV	0301 Learning Frameworks	0
	1512 Basic Peace Officer II 1518 Basic Peace Officer III 1524 Basic Peace Officer IV 1132 Physical Fitness for Law Enforc	Credit Hours 5 5 5 ement 1 3
SPRINC CRIJ	G SEMESTER 1301 Introduction to Criminal Justice	Credit Hours
CRIJ ENGL	2313 Correctional Systems & Practice	
	MORE YEAR	
FALL S	EMESTER	Credit Hours
FALL S GOVT	EMESTER 2305 Federal Government	3
FALL S GOVT CRIJ	EMESTER 2305 Federal Government 2314 Criminal Investigation	3
FALL S GOVT CRIJ CRIJ	EMESTER 2305 Federal Government	3
FALL S GOVT CRIJ CRIJ MATH E	EMESTER 2305 Federal Government 2314 Criminal Investigation 1310 Fundamentals of Criminal Law	3 3 3 3 3
FALL S GOVT CRIJ CRIJ MATH E Langua	EMESTER 2305 Federal Government 2314 Criminal Investigation 1310 Fundamentals of Criminal Law Elective from Core Curriculum	3 3 3 3 3
FALL S GOVT CRIJ CRIJ MATH E Languag from C	EMESTER 2305 Federal Government 2314 Criminal Investigation 1310 Fundamentals of Criminal Law Elective from Core Curriculum ge, Philosophy & Culture/Creative Arts	3 3 3 2 Elective
FALL S GOVT CRIJ CRIJ MATH E Langua from C SPRINC CRIJ	EMESTER 2305 Federal Government 2314 Criminal Investigation 1310 Fundamentals of Criminal Law Elective from Core Curriculum ge, Philosophy & Culture/Creative Arts Core Curriculum C SEMESTER 1306 Court Systems and Practices	3 3 3 Elective 3 Credit Hours 3
FALL S GOVT CRIJ CRIJ MATH E Langua from C SPRINC CRIJ * CRIJ	EMESTER 2305 Federal Government 2314 Criminal Investigation 1310 Fundamentals of Criminal Law Elective from Core Curriculum ge, Philosophy & Culture/Creative Arts Core Curriculum G SEMESTER 1306 Court Systems and Practices 2328 Police Systems and Practices	3 3 3 Elective 3 Credit Hours 3 3
FALL S GOVT CRIJ CRIJ MATH E Langua from C SPRINC CRIJ * CRIJ	EMESTER 2305 Federal Government 2314 Criminal Investigation 1310 Fundamentals of Criminal Law Elective from Core Curriculum ge, Philosophy & Culture/Creative Arts Core Curriculum G SEMESTER 1306 Court Systems and Practices 2328 Police Systems and Practices 1317 Basic Counseling Skills	3 3 3 Elective 3 Credit Hours 3

Total Degree Credit Hours 60

¹ Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.

+ Capstone course

Revision Page 120 AAS Electronics Technology

Sophomore Year - Spring Semester change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective

SOPHOMORE YEAR	
SPRING SEMESTER Cr	edit Hours
*CETT 1357 Linear Integrated Circuits	3
Language, Philosophy & Culture/Creative Arts Ele	ctive
from Core Curriculum	3
Social and Behavior Sciences Elective	
from Core Curriculum	3
INTC 2336 Distributed Control & Programmabl	e Logic 3
PHYS 1402 General College Physics II	4
	16

Revision Page 121 Certificate - Instrumentation

	ICATE IN INSTRUMENTATION	Credit Hours
		Creat Hours
1SDEV	0301 Learning Frameworks	0
FALL S	EMESTER	Credit Hours
CETT	1325 Digital Fundamentals	3
CETT	1302 Electricity Principles	3
INTC	1343 Application of Industrial Automat	ic Control 3
INTC	1356 Instrumentation Calibration	3
+ INTC	1301 Principles of Industrial Measurer	nents 3
	·	15
SPRINC	SEMESTER	Credit Hours
CETT	1341 Solid State Circuits	3
CETT	1349 Digital Systems	3
INTC	1355 Unit Operations	3
INTC	2336 Distributed Control & Programm	able Logic 3
	-	12

Total Certificate Credit Hours 27

¹ Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.

+ Capstone course

Certificate - Instrumentation/Measurement Technician

SPRING	SEMESTER	Credit Hours
¹ SDEV	0301 Learning Frameworks	0
CETT	1325 Digital Fundamentals	3
CETT	1302 Electricity Principles	alology 3
PTAC	1302 Introduction to Process Techr	9
SUMME	R SEMESTER	Credit Hours
INTC	1357 AC/DC Motor Control	3
FALL SI	EMESTER	Credit Hours
CETT	1341 Solid State Circuits	3
INTC	1356 Instrumentation Calibration	3

⁺ INTC 1301 Principles of Industrial Measurements

Total Certificate Credit Hours 21

¹ Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.

3 9

+ Capstone course

Revision Page 123

AAS Instrumentation

Freshman Year - Spring Semester change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective

FRESHMAN YEA	R
SPRING SEMEST	FR

SPRING SEMESTER	Credit Hours
CETT 1341 Solid State Circuits	3
INTC 1301 Principles of Industrial Measure	ements I 3
Language, Philosophy & Culture/Creative Arts	Elective
from Core Curriculum	3
Social and Behavioral Sciences Elective	
from Core Curriculum	3
CETT 1349 Digital Systems	3

Revision Page 126 Paramedic Certificate

- Prerequisites Remove HITT 1305
- Freshman Year Fall Semester add EMSP 2206 Emergency Pharmacology
- Freshman Year Spring Semester change total credit hours from 12 to 13.
- Freshman Year Summer Session change EMSP 2338 to EMSP 2305.

PRERE EMSP EMSP ¹ SDEV	QUISIT 1501 1160 0301	Emergency Medical Technician Clinical, Emergency Medical Technician Learning Frameworks	5 5 1 0 6
FRESH			
FALL S			
EMSP	2206	Emergency Pharmacology	2
EMSP		Intro to Advanced Practice	4
EMSP			3
EMSP			3 2
EMSP	1261	Clinical, Paramedic I	2 14
			14
SPRING	SEME	STER Credit H	ours
SPRINC			ours 4
	2444	Cardiology	
EMSP	2444 2434	Cardiology Medical Emergencies	4 4
EMSP EMSP	2444 2434	Cardiology Medical Emergencies	4
EMSP EMSP EMSP	2444 2434 2330	Cardiology Medical Emergencies Special Populations	4 4 3
EMSP EMSP EMSP	2444 2434 2330	Cardiology Medical Emergencies Special Populations Clinical, Paramedic II	4 4 3 2 13
EMSP EMSP EMSP EMSP	2444 2434 2330 2262	Cardiology Medical Emergencies Special Populations	4 4 3 2 13
EMSP EMSP EMSP EMSP	2444 2434 2330 2262 ER I and 2243	Cardiology Medical Emergencies Special Populations Clinical, Paramedic II d/or II SESSION Assessment Based Management	4 4 3 2 13 Durs 2
EMSP EMSP EMSP EMSP • EMSP	2444 2434 2330 2262 ER I and 2243 2305	Cardiology Medical Emergencies Special Populations Clinical, Paramedic II d/or II SESSION Assessment Based Management EMS Operations	4 4 3 2 13 0urs 2 3
EMSP EMSP EMSP EMSP SUMME * EMSP	2444 2434 2330 2262 ER I and 2243 2305	Cardiology Medical Emergencies Special Populations Clinical, Paramedic II d/or II SESSION Assessment Based Management EMS Operations	4 4 3 2 13 0 0 0 13 0 0 0 13 0 0 13 0 0 13 0 0 13 13 13 13 13 13 13 13 13 13 13 13 13
EMSP EMSP EMSP EMSP • EMSP	2444 2434 2330 2262 ER I and 2243 2305	Cardiology Medical Emergencies Special Populations Clinical, Paramedic II d/or II SESSION Assessment Based Management EMS Operations	4 4 3 2 13 0urs 2 3
EMSP EMSP EMSP EMSP • EMSP	2444 2434 2330 2262 ER I and 2243 2305	Cardiology Medical Emergencies Special Populations Clinical, Paramedic II d/or II SESSION Assessment Based Management EMS Operations	4 3 2 13 Durs 2 3 3 8

AAS Emergency Medical Services

- Freshman Year Fall Semester change HRPS 2200 to EMSP 2206
- Sophomore Year Spring Semester change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective

FRESHMAN YEAR				
FALL S	EMES	TER Credit Ho	urs	
EMSP	2206	Emergency Pharmacology	2	
EMSP	1438	Introduction to Advanced Practice	4	
EMSP	1356	Patient Assessment & Airway Management	3	
EMSP	1355	Trauma Management	3	
EMSP	1261	Clinical, Paramedic I	2	
			14	
SOPHO	MORE	YEAR		
SPRINC	G SEM	ESTER Credit Ho	urs	
Langua	ge, Phi	losophy & Culture/Creative Arts Elective		
from C	ore Cu	rriculum	3	
PSYC	2301	General Psychology	3	
EMSP	2352	Emergency Medical Service Research	3	
			9	

Revision Page 130

AAS Fire Science

Third Semester - Change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective

THIRD SEMESTER	Credit Hours	
FIRT 1333 Fire Chemistry I	3	
FIRT 1329 Building Codes & Construction	3	
Speech Elective from Core Curriculum	3	
Social and Behavioral Science Elective		
from Core Curriculum	3	
Language, Philosophy & Culture/Creative Arts Elective		
from the Core Curriculum	3	

Revision Page 133

AAS Industrial Maintenance Mechanic

Sophomore Year - Spring Semester change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective

SOPHOMORE YEAR

SPRING SEMESTER Credit H	lours	
INMT 2301 Machinery Installation	3	
*MCHN 2307 Millwright IV	3	
Social and Behavioral Science Elective		
from Core Curriculum	3	
INMT 2345 Industrial Troubleshooting	3	
Language, Philosophy & Culture/Creative Arts Elective		
from the Core Curriculum	3	

AAS Machining Technology

Freshman Year - Spring Semester change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective

FRESHMAN YEAR

SPRING SEMESTER Credit Hours	
MCHN 1308 Basic Lathe	3
MCHN 1313 Basic Milling Operations	3
MCHN 1302 Print Reading for Machining Trade	s 3
Language, Philosophy & Culture/Creative Arts Ele	ective
from the Core Curriculum	3
Speech Elective from Core Curriculum	3

Revision Page 135

AAS Machining Technology Sophomore Year - Fall Semester replace MCHN 1352 with MCHN 2341

SOPHOMORE YEAR

FALL SI	EMESTER	Credit Hours	
MCHN	1358 Intermediate Lathe Operations	3	
MCHN	2302 Intermediate Milling Operations	3	
MCHN	2341 Advanced Machining I	3	
MCHN	2344 CNC Programming	3	
Social and Behavioral Science Elective			
from C	ore Curriculum	3	
		15	

Revision Page 138

AAS Nursing

Level IV - Change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/ Creative Arts Elective

LEVEL IV

SEMEST	ER IV	Credit	Hours
⁺RNSG	2535	Integrated Patient Care Management	5
⁺RNSG	2363	Clinical IV–Registered Nursing/Registered Nurse	3
*Langua	ge, Philc	osophy & Culture/Creative Arts Elective	3

Revision Page 141

Nursing - LVN-ADN Transition

Semester III - Change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective in the

SEMEST	ER III		Credit Hours
⁺RNSG	2535	Integrated Patient Care Management	5
⁺RNSG	2363	Clinical IV - Registered Nursing/Registered Nurse	e 3
*Langua	ge, Philo	sophy & Culture/Creative Arts Elective	3

AAS Physical Therapist Assistant

Spring I - Change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/ Creative Arts Elective

SPRING	i I	Credit Hours
PTHA	1431 Physical Agents	4
PTHA	2409 Therapeutic Exe	rcise 4
PSYC	2301 General Psychol	ogy 3
Language, Philosophy & Culture/Creative Arts Elective		
from th	e Core Curriculum	3

Revision Page 147

Process Technology Certificate

Remove footnote: ² Completion of Texas Success Initiative Math section is required.

PROCESS TECHNOLOGY CERTIFICATE

1SDEV	0301 Learning Frameworks	0
PTAC	1302 Intro to Process Technology	3
PTAC	1410 Process Technology I - Equipment	4
PTAC	2420 Process Technology II - Systems	4
PTAC	2438 Process Technology III - Operations	4
PTAC	1432 Process Instrumentation I	4
PTAC	2446 Process Troubleshooting	4

Total Certificate Credit Hours 23

¹ Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.

Revision Page 148

AAS Process Technology

- Freshman Year Fall Semester remove the following footnotes:
 ² Completion of Texas Success Initiative Math section is required.
- ³ Completion of Texas Success Initiative Reading and Writing sections required.
- Sophomore Year Fall Semester change Humanities/Visual & Perform in Art Elective to Language, Philosophy & Culture/Creative Arts Elective
- Sophomore Year Fall Semester change PHYS 1301 to PHYS 1310 and remove the "4" notation from PTAC 2314.

FALL S	EMESTER	Credit Hours	
CETT	1302 Electricity Principles	3	
PTAC	1302 Introduction to Process Technol	ology 3	
PTAC	1308 Safety, Health, and Environme	ent I 3	
ENGL	1301 Rhetoric & Composition	3	
MATH	1332 Contemporary Mathematics C	R	
MATH	1314 College Algebra	3	
		15	
SOPHOMORE YEAR			
	EMESTER	Credit Hours	
FALL S			
FALL S Langua	EMESTER		
FALL S Langua	EMESTER ge, Philosophy & Culture/Creative Art core Curriculum	s Elective 3	
FALL S Languag from C ECON	EMESTER ge, Philosophy & Culture/Creative Art core Curriculum	s Elective 3	
FALL SI Languag from C ECON PTAC	EMESTER ge, Philosophy & Culture/Creative Art core Curriculum 2301 Principles of Macroeconomics	s Elective 3 3 3 3	
FALL S Languag from C ECON PTAC PTAC	EMESTER ge, Philosophy & Culture/Creative Art core Curriculum 2301 Principles of Macroeconomics 2314 Principles of Quality	s Elective 3 3 3 3	
FALL S Languag from C ECON PTAC PTAC	EMESTER ge, Philosophy & Culture/Creative Art ore Curriculum 2301 Principles of Macroeconomics 2314 Principles of Quality 2420 Process Technology II - Syster 1310 Elementary Physics	s Elective 3 3 3 ms 4	

Respiratory Care Program

Add the following statement: The program has been placed on probationary accreditation effective November 21, 2015. Based on the 2015 Annual Report of Current Status, the program did not meet the threshold for attrition, (2012-2014 average).

Victoria College's Respiratory Care Program is accredited by the Commission on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford, Texas 76021-4244; (817) 283-2835 (www.coarc.com). The program has been placed on probationary accreditation effective November 21, 2015. Based on the 2015 Annual Report of Current Status, the program did not meet the threshold for attrition, (2012-2014 average).

Revision Page 150

AAS Respiratory Care Prerequisites - Change Creative Arts to Creative Arts & Humanities

PROGR	AM PREREQUISITES	Credit Hours
ENGL	1301 Composition I	3
PSYC	2301 General Psychology OR	
SOCI	1301 Introduction to Sociology	3
BIOL	2404 Introductory Anatomy & Physio	logy OR 4
BIOL	2401 Human Anatomy & Physiology	AND
BIOL	2402 Human Anatomy & Physiology	11
Mathem	atics - Select 1 course from Victoria C	ollege
Core C	Curriculum	3
Creative	Arts & Humanities -	
Select	1 course from Victoria College Core C	urriculum 3
1SDEV	0301 Learning Frameworks	0
		16

¹ Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.

Revision Page 151

AAS Respiratory Care Freshman Year - Spring Semester change BIOL 2310 to RSPT 2310

FRESHMAN YEAR

SPRING	i SEM	ESTER	Credit Hours
RSPT	1431	Respiratory Care Fund II	4
RSPT	1361	Clinical–Respiratory Therapy II	3
RSPT	1272	Clinical Blood Gases	2
RSPT	2310	Cardiopulmonary Disease	3
			12

Add Welding Marketable Skills Certificate

WELDING MARKETABLE SKILLS CERTIFICATE

			Credit Hours
WLDG	1421	Welding Fundamentals	4
WLDG	2443	Advanced SMAW	4
WLDG	2406	Intermediate Pipe Welding	4
			12

Course Descriptions

Revision Page 198

Revised EMSP 2243 course description and change EMSP 2338 to EMSP 2305 all other information is correct.

EMSP 2243 ASSESSMENT BASED MANAGEMENT (1,3,0) CREDIT 2 Prerequisite: Admission into the Paramedic Program Corequisites: EMSP 1355, 1356, 1438, 2330, 2338, 2434, & 2444 A summarative experience covering comprehensive, assessment-based patient care management for the paramedic level.

EMSP 2305 EMS OPERATIONS (3,0,0) CREDIT 3 Prerequisite: Admission into the Paramedic Program Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents.

Addition Page 197

Add EMSP 2206 Emergency Pharmacology

EMSP 2206 EMERGENCY PHARMACOLOGY (2,0,0) CREDIT 2 Prerequisite: Admission into the Paramedic Program A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages.

Addition Page 205

Add "Prerequisite: A grade of C or better in MCHN 1325 and DFTG 1325" to HYDR 1345

 HYDR 1345
 HYDRAULICS & PNEUMATICS (2-2) CREDIT 3

 Prerequisite: A grade of C or better in MCHN 1325 and DFTG 1325

 Discussion of the fundamentals of hydraulics and pneumatics, components of each system, and the operations, maintenance, and analysis of each system.

Add "Prerequisite: A grade of C or better in INMT 1305" to INMT 2301

 INMT 2301
 MACHINERY INSTALLATION (2-4) CREDIT 3 Prerequisite: A grade of C or better in INMT 1305 Students utilize skills acquired in previous studies. Machinery foundation, locations, installation, and alignment activities are practiced and tested. Emphasis is on the various methods of shaft alignment including laser shaft alignment.

Add "Prerequisite: A grade of C or better in INMT 1305" to INMT 2303

INMT 2303 PUMPS, COMPRESSORS & MECHANICAL DRIVES (2-4) CREDIT 3 Prerequisite: A grade of C or better in INMT 1305 A study of the theory and operations of various types of pumps and compressors. Topics include mechanical power transmission systems including gears, v-belts, and chain drives.

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Revision Page 205 continued

Add "Prerequisite: A grade of C or better in INMT 2303" to INMT 2345

INMT 2345 INDUSTRIAL TROUBLESHOOTING (2-4) CREDIT 3 Prerequisite: A grade of C or better in INMT 2303

An advanced study of the techniques used in troubleshooting various types of industrial equipment to include mechanical, electrical, hydraulic, and pneumatic systems and their control devices. Emphasis will be placed on the use of schematics and diagrams in conjunction with proper troubleshooting procedures.

Revision Page 208

Add "Students who need algebraic-intensive course work as part of their degree requirements must take MATH 0303 upon successful completion of this course." to the end of the course description.

MATH 0402FOUNDATIONS OF MATHEMATICAL REASONING (4-0) CREDIT 0
Prerequisite: A grade of S, SA, SB, or SC in Math 0305 or a score of 336-349 or
ABE level of 5 or 6 on the mathematics section of the TSI Assessment.
Corequisite: EDUC 1300 is preferred unless already taken
This course surveys a variety of mathematical topics needed to prepare students
for college level statistics or quantitative reasoning or for algebra-based courses.
Topics include: numeracy with an emphasis on estimation and fluency with large
numbers; evaluating expressions and formulas; rates, ratios, and proportions;
percentages; solving equations; linear models; data interpretations including graphs
and tables; verbal, algebraic and graphical representations of functions; exponential
models. This course carries institutional credit but will not transfer and will not be
used to meet degree requirements. Students who need algebraic-intensive course
work as part of their degree requirements must take MATH 0303 upon successful
completion of this course.

Revision Page 210

Revise prerequisites for MATH 1314, MATH 1316, and MATH 1324 to "Prerequisite: Meet TSI college readiness standard for algebraic-intensive mathematics (score of 350 on TSI exam or grade of SC or better in MATH 0303)."

 MATH 1314# COLLEGE ALGEBRA (3-0) CREDIT 3 (020/090) Prerequisite: Meet TSI college readiness standard for algebraic-intensive mathematics (score of 350 on TSI exam or grade of SC or better in MATH 0303 In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.
 MATH 1316# PLANE TRIGONOMETRY (3-0) CREDIT 3 (020/090) Prerequisite: Meet TSI college readiness standard for algebraic-intensive mathematics (score of 350 on TSI exam or grade of SC or better in MATH 0303 In-depth study and applications of trigonometry including definitions, identities,

inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included.

ADDENDUM

MATH 1324# MATHEMATICS FOR BUSINESS & SOCIAL SCIENCES

(finite mathematics) (3-0) CREDIT 3 (020/090) Prerequisite: Meet TSI college readiness standard for algebraic-intensive mathematics (score of 350 on TSI exam or grade of SC or better in MATH 0303 The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

Remove statement "Offered in the fall semester. May be offered in the summer" MATH 2412 will be offered in fall and spring.

MATH 2412# PRECALCULUS (3-0) CREDIT 4 (020/090) Prerequisite: A grade of C or better in MATH 1314 or the equivalent preparation. Recommend: A grade of C or better in MATH 1316. In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

Remove statement "Offered in the fall semester. May be offered in the summer" MATH 2413 will be offered in fall and spring.

MATH 2413# CALCULUS I (4-0) CREDIT 4 (020/090)

Prerequisite: A grade of C or better in MATH 2312 or equivalent preparation (a score of 600 on the math portion of the SAT or a score of 29 on the math portion of ACT).

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Revise statement "Offered only in spring semester" to "Offered only in fall semester" MATH 2414 will be offered in the fall semester to accommodate the MATH 2414 prerequisite for PHYS 2426

MATH 2414# CALCULUS II (4-0) CREDIT 4 Prerequisite: A grade of C or better in MATH 2413. (Offered only in fall semester) Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals.

Revise statement "Offered only in fall semester" to "Offered only in spring semester" MATH 2415 will be offered in the spring semester to accommodate the MATH 2414 prerequisite for PHYS 2426.

MATH 2415# CALCULUS III (4-0) CREDIT 4 Prerequisite: A grade of C or better in MATH 2414. (Offered only in spring semester) Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation. Lagrange multipliers, multiple integrals, and Jacobians; application

of the line integral, including Green's theorem, the Divergence theorem, and Stokes' theorem.

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Add "Prerequisite: A grade of C or better in MCHN 1325" to MCHN 1329

MCHN 1329 MILLWRIGHT II (2-4) CREDIT 3

Prerequisite: A grade of C or better in MCHN 1325

A continuation to millwright tools including specialty power and precision tools. A study of the property of metals and the installation of packing. Emphasis on safety in the accomplishment of these activities.

Delete MCHN 1352 Intermediate Machining and replace it with MCHN 2341 Advanced Machining I

MCHN 2341 ADVANCED MACHINING I (2-4) CREDIT 3 Prerequisite: A grade of C or better in MCHN 1341 A study of advanced lathe and milling operations. Emphasis on advanced cutting operations of the lathe and milling machines, including the use of special tooling, bench assembly, and materials identification.

Addition Page 212

Add "Prerequisite: A grade of C or better in MCHN 1329" to MCHN 2305

MCHN 2305 MILLWRIGHT III (2-4) CREDIT 3 Prerequisite: A grade of C or better in MCHN 1329 An introduction to bearings and seals. Identification of common bearings and seals. Emphasis on design and installation of seals and bearings.

Add "Prerequisite: A grade of C or better in MCHN 2305" to MCHN 2307

MCHN 2307 MILLWRIGHT IV (2-4) CREDIT 3

Prerequisite: A grade of C or better in MCHN 2305 A study in the recognition and application of pumps. This course will focus on troubleshooting, repair, and installation of pumps.

Revision Page 226

Change MUEN 1122 to MUEN 1125

MUEN 1125 CONCERT ORCHESTRA (0-3) CREDIT 1 Prerequisite: Permission of department chair. Study of symphonic repertoire, from Baroque to Contemporary, through participation in instrumental performances.

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ADDENDUM

Addition Page 231

Add "Prerequisite: A grade of C or better in HYDR 1345" to PFPB 2308

PFPB 2308 PIPING STANDARDS & MATERIALS (3-0) CREDIT 3

Prerequisite: A grade of C or better in HYDR 1345 Identification, description, and application of piping standards and specifications. Includes identification and use of various metallic and non-metallic piping materials,

identification and installation of valves, and material take-offs.

Addition Page 234

Add PHED 2146 Taping and Bandaging to the course descriptions

PHED 2156 TAPING AND BANDAGING (0-1) CREDIT 1 This course provides the fundamental taping and bandaging techniques used in the prevention and care of athletic related injuries.

Revision Page 235

Add PHYS 1303, PHYS 1403, and PHYS 1404

- PHYS 1303
 STARS AND GALAXIES (3-0) CREDIT 3

 Prerequisite: TSI complete in Reading and Math.

 Study of stars, galaxies, and the universe outside our solar system.

 This course does not include a laboratory.
- PHYS 1403
 STARS AND GALAXIES (3-3) CREDIT 4

 Prerequisite: TSI complete in Reading and Math.

 Study of stars, galaxies, and the universe outside our solar system.

 This course includes a laboratory.
- PHYS 1404 SOLAR SYSTEM (3-3) CREDIT 4 Prerequisite: TSI complete in Reading and Math. Study of the sun and its solar system, including its origin. This course includes a laboratory.

Change PTHA 2336 PRACTICUM II – PHYSICAL THERAPIST ASSISTANT (0-0-40) CREDIT 3 to PTHA **2366** PRACTICUM II – PHYSICAL THERAPIST ASSISTANT (0-0-**30**) CREDIT 3

PTHA 2366 PRACTICUM II – PHYSICAL THERAPIST ASSISTANT (0-0-30) CREDIT 3 Prerequisites: Admission to the PTA Program

(Offered only in spring semester)

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. This course provides the fourth semester Physical Therapist Assistant (PTA) student a supervised application of previously learned techniques and skills in the rehabilitation of patients in selected clinical facilities affiliated with the college. The focus is on safe, legal, ethical and effective use of physical therapy interventions. This course also fosters the development of communication skills, interpersonal relationships and professionalism required for the healthcare field. Supervision of the student at the entry level is provided by the staff of the affiliating institutions and is coordinated by the college faculty.