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The chart, "Chart B - Course Placement Scores" was removed and replaced with two "Developmental Pathways" charts:

CHART B
Developmental Pathways

Mathematics Pathways: College Algebra and Statistics

All previous classes have to be passed with a grade of C or higher

Pathways	Placement by TSI	1st Course	2nd Course	3rd Course	4th Course	TSI Complete	College Ready
College Algebra	ABE Sequence 310-335	MATH 0306	MATH 0308	MATH 0310	→	TSI Placement Score	MATH 1314, MATH 1324, MATH 1332, MATH 1342
Statistics	ABE Sequence 310-335	MATH 0306	MATH 0309			TSI Placement Score	MATH 1342
College Algebra	Developmental: Low Sequence 336-342	→	MATH 0308	MATH 0310	→	TSI Placement Score	MATH 1314, MATH 1324, MATH 1332, MATH 1342
College Algebra	Developmental: High Sequence 343-349	→	→	MATH 0310	→	TSI Placement Score	MATH 1314, MATH 1324, MATH 1332, MATH 1342
Statistics	Developmental Sequence 336-349	→	MATH 0309			TSI Placement Score	MATH 1342
Modular Math	Everyone 310-349	→	→	→	MATH 0312	TSI Placement Score	MATH 1314, MATH 1324, MATH 1332, MATH 1342
College Algebra	Bubble/Holistic Advising: 335	Pass Criteria	MATH 0308 +MATH 0111	Re-test or MATH 0310, or MATH 0310 +0111	→	Enrollment Overwrite	
Statistics	Bubble/Holistic Advising: 335	Pass Criteria	MATH 0309 +MATH 0111	→	→	Enrollment Overwrite	
College Algebra	Bubble Dev: Low Sequence 342	Pass Criteria	→	MATH 0310 +MATH 0111	→	Enrollment Overwrite	
College Algebra	Bubble/Holistic Advising: 349	Pass Criteria	→	→	→	Enrollment Overwrite	MATH 1314 + MATH 0111

* If student tests into College Ready in Math, student may choose to take COMPASS or Accuplacer to test into a higher-level Math course.

** If student does not complete MATH 1342, student will need to retest and be placed into the appropriate Math Course which may include developmental math.

Reading and Writing Pathways: Integrated (IWR), Reading, Writing

Pathways	Placement by TSI	1st Course	2nd Course	3rd Course	TSI Complete	College Ready
Integrated*	ABE Sequence Reading 310-341 OR Writing: 310-349 OR 1-3 on Essay	ENGL 0302	ENGL 0309	→	TSI Complete	ENGL 1301
Reading	ABE Sequence 310-341	ENGL 0304	ENGL 0309	→	TSI Complete	ENGL 1301
Writing	ABE Sequence 310-349 OR 1-3 on Essay	ENGL 0306	ENGL 0309	→	TSI Complete	ENGL 1301
Integrated*	Developmental Sequence Reading: 342-350 AND Writing: 350-362 and 4 on Essay	→	ENGL 0309	→	TSI Complete	ENGL 1301
Reading	Developmental Sequence 342-350	→	ENGL 0309	→	TSI Complete	ENGL 1301



Writing	Developmental Sequence 350-362 AND 4 on Essay	→	ENGL 0309	→	TSI Complete	ENGL 1301
Integrated*	Bubble/Holistic Reading: 340-341 OR Writing: 348-349 OR 1-3 on Essay	Pass Criteria ENGL 0309 + NCBO	→	TSI Complete		
Reading	Bubble/Holistic 340-341	Pass Criteria	ENGL 0309 + NCBO	→	TSI Complete	ENGL 1301
Writing	Bubble/Holistic 348-349 AND 4 on Essay	Pass Criteria	ENGL 0309 + NCBO	→	TSI Complete	ENGL 1301
Integrated*	Bubble/Holistic Advising: Reading: 340-341 AND Writing: 361-362 and 4 on Essay	Pass Criteria	→	→	TSI Complete ENGL 1301 +ENGL 0119	
Reading	Bubble/Holistic Advising: 349-350	Pass Criteria	→	→	TSI Complete	ENGL 1301 + ENGL 0115
Writing	Bubble/Holistic Advising: 361-362 AND 4 on Essay	Pass Criteria	→	→	TSI Complete	ENGL 1301 + ENGL 0117

* Students can begin in non-IRW reading and writing courses and then move to IRW courses.

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The following text was revised:

All associate degrees, certificates over 42 credit hours, and post AAS certificates require completion of TSI requirements.

The above text should now read as follows (effective Fall 2014):

All associate degrees, level II certificates and post AAS certificates require completion of TSI requirements.

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The text for “Student Absence on Religious Holy Days” was updated to read as follows (effective Spring 2015):

Student Absence on Religious Holy Days

A student needing to be absent from class to observe a religious holy day must submit a written notice to each instructor whose class falls on that day. Written notice must be provided to the instructor no later than the second class meeting. The student may deliver the written notice personally to the instructor by receipted delivery, or in the alternative, the student may forward the written notice to the instructor by receipted courier delivery or by United States certified mail, return receipt requested, sent in enough time so as to be delivered no later than the fifteenth day after the first day of the semester. Upon receipt of a timely written notice, the student’s attendance record will properly reflect an excused absence.

A student who is absent from classes for the observance of a religious holy day shall be allowed to complete an assignment or take an examination scheduled for that day within a reasonable time after the absence. A student who is excused under this section may not be penalized for the absence; however, the instructor may appropriately respond if the student fails to satisfactorily complete any missed assignment and/or examination. If a student and an instructor disagree about the nature of the absence for the observance of a religious holy day as defined [above], or if there are similar disagreements about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the Chief Student Services Officer or his or her designee. The student and instructor shall abide by such ruling.

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The following text was revised:

All associate degrees, certificates over 42 credit hours, and post AAS certificates require completion of TSI requirements.



The above text should now read as follows (effective Fall 2014):

All associate degrees, level II certificates and post AAS certificates require completion of TSI requirements.

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The following text was revised:

Biology

(Associate of Science degree offered at LSC-CyFair, Kingwood, Montgomery, North Harris, Tomball, and University Park)

The above text should now read as follows (effective Fall 2014):

Associate of Science in Biology

(AS_BIOL degree offered at LSC-CyFair, Kingwood, Montgomery, North Harris, Tomball, and University Park)

In the degree plan for Associate of Arts in Teaching, the following text was revised:

³ Choose from core requirements.

The above text should now read as follows (effective Spring 2015):

³ Choose from ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1308, 1309, 1310

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In the degree plan for Business Field of Study, first year, second semester, the following text was revised:

ACCT 2401 Principles of Accounting I 4

The above text should now read as follows (effective Fall 2014):

ACCT 2401 Principles of Financial Accounting 4

In the degree plan for Business Field of Study, second year, first semester, the following text was revised:

ACCT 2402 Principles of Accounting II 4

The above text should now read as follows (effective Fall 2014):

ACCT 2402 Principles of Managerial Accounting 4

The following degrees have been added:

BIOMEDICAL ENGINEERING

Associate of Science degree

Pending THECB Approval

(offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

FIRST YEAR Credit

First Semester

MATH 2413	Calculus	4
CHEM 1411	General Chemistry I	4
ENGR 1201	Introduction to Engineering	2
ENGL 1301	Composition & Rhetoric I	3
HIST 1301	United States History to 1877	3

Second Semester

MATH 2414	Calculus II	4
PHYS 2425	Mechanics & Heat	4
BIOL 1406	Biology I for Science Majors	4
HIST 1302	United States History Since 1877	3

SECOND YEAR

First Semester

MATH 2415	Calculus III	4
CHEM 1412	General Chemistry II	4
PHYS 2426	Electricity, Magnetism, and Light	4
ENGR 2304	Programming for Engineers	3

Second Semester

MATH 2320	Differential Equations	3
ENGR 2405	Electrical Circuits I	4
ENGR 2301	Engineering Mechanics: Statics	3
PHED 1164	Introduction to Physical Fitness & Sport	1
GOVT 2305	Federal Government	3

TOTAL Credits for Biomedical Engineering
Associate of Science (AS) degree 60

CIVIL ENGINEERING

Associate of Science degree

Pending THECB Approval

(offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

FIRST YEAR Credit

First Semester		
MATH	2413	Calculus 4
CHEM	1411	General Chemistry I 4
ENGR	1201	Introduction to Engineering 2
ENGL	1301	Composition & Rhetoric I 3
HIST	1301	United States History to 1877 3

Second Semester		
MATH	2414	Calculus II 4
PHYS	2425	Mechanics & Heat 4
ENGR	1304	Engineering Graphics I 3
ENGL	1302	Composition & Rhetoric II 3
HIST	1302	United States History Since 1877 3

SECOND YEAR

First Semester		
MATH	2415	Calculus III 4
PHED	1164	Introduction to Physical Fitness & Sport 1
ENGR	2301	Engineering Mechanics: Statics 3
ENGR	2304	Programming for Engineers 3
GOVT	2305	Federal Government 3

Second Semester		
MATH	2320	Differential Equations 3
ENGR	2405	Electrical Circuits I 4
ENGR	2302	Engineering Mechanics: Dynamics 3
GOVT	2306	Texas Government 3

TOTAL Credits for Civil Engineering
Associate of Science (AS) degree 60

ELECTRICAL ENGINEERING

Associate of Science degree

Pending THECB Approval

(offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

FIRST YEAR Credit

First Semester		
MATH	2413	Calculus 4
CHEM	1411	General Chemistry I 4
ENGR	1201	Introduction to Engineering 2
ENGL	1301	Composition & Rhetoric I 3
HIST	1301	United States History to 1877 3

Second Semester		
MATH	2414	Calculus II 4
PHYS	2425	Mechanics & Heat 4
PHED	1164	Introduction to Physical Fitness & Sport 1
GOVT	2305	Federal Government 3
HIST	1302	United States History Since 1877 3

SECOND YEAR

First Semester		
MATH	2415	Calculus III 4
PHYS	2426	Electricity, Magnetism, and Light 4
ENGR	2406	Introduction to Digital Systems 4
ENGR	2304	Programming for Engineers 3

Second Semester		
MATH	2320	Differential Equations 3
ENGR	2405	Electrical Circuits I 4
MATH	2318	Linear Algebra 3
Any PHED	activity course	1
GOVT	2306	Texas Government 3

TOTAL Credits for Electrical Engineering
Associate of Science (AS) degree 60

INDUSTRIAL ENGINEERING

Associate of Science degree

Pending THECB Approval

(offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

FIRST YEAR Credit

First Semester		
MATH	2413	Calculus 4
CHEM	1411	General Chemistry I 4
ENGR	1201	Introduction to Engineering 2



ENGL	1301	Composition & Rhetoric I	3
HIST	1301	United States History to 1877	3
Second Semester			
MATH	2414	Calculus II	4
PHYS	2425	Mechanics & Heat	4
ENGR	1304	Engineering Graphics I	3
HIST	1302	United States History Since 1877	3

SECOND YEAR

First Semester			
MATH	2415	Calculus III	4
PHYS	2426	Electricity, Magnetism, and Light	4
ENGR	2301	Engineering Mechanics: Statics	3
ENGR	2304	Programming for Engineers	3
Second Semester			
MATH	2320	Differential Equations	3
ENGR	2405	Electrical Circuits I	4
ENGR	2308	Engineering Economics	3
GOVT	2305	Federal Government	3
GOVT	2306	Texas Government	3

**TOTAL Credits for Industrial Engineering
Associate of Science (AS) degree 60**

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In the degree plan for Business Field of Study, second year, second semester, the following text was revised:

MATH	1325	Elements Calculus w Applications	3
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The above text should now read as follows (effective Fall 2014):

MATH	1325	Calculus for Business & Social Sciences	3
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The following text has been revised:

Criminal Justice Field of Study

Leading to the Bachelor Of Criminal Justice degree.

Associate of Arts with Field of Study Transfer Curriculum for Criminal Justice

(AA_FCRJ degree offered at LSC-CyFair,

Kingwood, Montgomery, North Harris, Tomball, and University Park)

FIRST YEAR Credit

First Semester			
CRIJ	1301	Intro To Criminal Justice	3
ENGL	1301	Composition & Rhetoric I	3
HIST	Elective ¹		3
ITSC	1301	Introduction to Computers OR	3
COSC	1301	Introduction to Computers	
PHED	1164	Introduction to Physical Fitness & Sport 1	

Second Semester			
ENGL	1302	Composition & Rhetoric II	3
HIST	Elective ¹		3
Science	Elective ²		4
Math	Elective ¹		3

Third Semester			
CRIJ	1306	Court Systems & Practices	3
GOVT	2305	Federal Government	3

SECOND YEAR

First Semester			
CRIJ	1310	Fundamentals Of Criminal Law	3
CRIJ	2313	Correctional Systems & Practices	3
ENGL	Literature	Elective ²	3
Science	Elective ²		4

Second Semester			
CRIJ	2328	Police Systems & Practices	3
GOVT	2306	Texas Government	3
SPCH	Elective ¹		3
Creative Arts	Elective ²		3
Language, Philosophy,	Culture	Elective ¹	3

**TOTAL Credit Hours for Criminal Justice Field
of Study Associate of Arts degree 60**



¹ HIST 1301, 1302, or 2301

¹ Choose from core requirements

The above text should now read as follows (effective Spring 2015):

Criminal Justice Field of Study

Leading to the Bachelor Of Criminal Justice degree.

Associate of Arts with Field of Study Transfer Curriculum for Criminal Justice
(AA_FCRJ) degree offered at LSC-CyFair,
Kingwood, Montgomery, North Harris, Tomball, and University Park)

FIRST YEAR	Credit
First Semester	
CRJ 1301 Intro To Criminal Justice	3
ENGL 1301 Composition & Rhetoric I	3
HIST 1301 United States History to 1877	3
PHED 1164 Introduction to Physical Fitness & Sport 1	1
SOCI 1301 Principles of Sociology	3
Second Semester	
ENGL 1302 Composition & Rhetoric II	3
HIST 1302 United States History Since 1877 OR	3
HIST 2301 Texas History	3
Creative Arts Elective ¹	3
Math Elective ¹	3
CRJ 1306 Court Systems & Practices	3
SECOND YEAR	
First Semester	
GOVT 2305 Federal Government	3
Life & Physical Science Elective ¹	4
PSYC 2301 General Psychology	3
CRJ 1310 Fundamentals Of Criminal Law	3
CRJ 2313 Correctional Systems & Practices	3
Second Semester	
CRJ 2328 Police Systems & Practices	3
GOVT 2306 Texas Government	3
SPCH Elective ¹	3
Life and Physical Science Elective ¹	4
Language, Philosophy, Culture Elective ¹	3
TOTAL Credit Hours for Criminal Justice Field of Study Associate of Arts degree 60	

¹ Choose from core requirements

In the degree plan for Computer Science Field of Study, first year, second semester, the following text was revised:

COSC 1437 Programming Fundamentals II	4
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The above text should now read as follows (effective Spring 2015):

COSC 1337 Programming Fundamentals II	3
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In the degree plan for Computer Science Field of Study, second year, second semester, the following text was revised:

COSC 2425 Computer and Machine Language	4
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The above text should now read as follows (effective Spring 2015):

COSC 2325 Computer and Machine Language	4
-----------------------------------------	---

In the degree plan for Computer Science Field of Study, the following text was revised:

TOTAL Computer Science Field of Study Associate of Arts degree 67

The above text should now read as follows (effective Spring 2015):

TOTAL Computer Science Field of Study Associate of Arts degree 66

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LSC-Montgomery has been added to the campuses offering Machinist I Certificate (effective Fall 2014).

Page 113

The following program was deactivated (effective Spring 2015):

Massage Therapist

Page 117

The following text was revised:

ITSE 1492 Special Topics in Computer Programming: Advanced C#.....ITSE 2453 Advanced C# Programming





The above text should now read as follows (effective Spring 2015):

ITSE 1492 Special Topics in Computer Programming: Advanced C# ITSE 2353 Advanced C# Programming

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In the program plan for Taxation Certificate Marketable Skills Award, the following text was revised:

ACCT 2401 Principles of Accounting I 4

The above text should now read as follows (effective Fall 2014):

ACCT 2401 Principles of Financial Accounting 4

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In the program plan for Accounting Certificate, first year, first semester, the following text was revised:

ACCT 2401 Principles of Accounting I 4

The above text should now read as follows (effective Fall 2014):

ACCT 2401 Principles of Financial Accounting 4

In the program plan for Accounting Certificate, first year, second semester, the following text was revised:

ACCT 2402 Principles of Accounting II 4

The above text should now read as follows (effective Fall 2014):

ACCT 2402 Principles of Managerial Accounting 4

In the degree plan for Accounting Certificate, the following text was revised:

¹ Electives to be selected from ACNT 1340, 1347, 2335, 1393, 2330, 2332, 2333, 2337, 2380, 2381, BUSI 1301, 2301, 2304, ITSW 1404, 1407

The above text should now read as follows (effective Spring 2015):

¹ Electives to be selected from ACNT 1340, 1347, 2335, 1393, 2330, 2332, 2333, 2337, 2380, 2381, BUSI 1301, 2301, 2304, IBUS 2341, ITSW 1304, 1407

The following text has been revised:

ACCOUNTING

Associate of Applied Science degree

(AAS_ACCS degree offered at LSC-CyFair, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

FIRST YEAR

First Semester

ACCT 2401 Principles of Accounting I 4

ACNT 1331 Federal Income Tax: Individual 3

BCIS 1305 Business Computer Applications 3

PHED 1164 Introduction to Physical Fitness & Sport 1

OR any one credit hour physical activity course

MATH 1314 College Algebra 3

Second Semester

ACCT 2402 Principles of Accounting II 4

ACNT 1347 Federal Income Tax for Partnerships and Corporations 3

BMGT 1327 Principles of Management 3

BUSI 2301 Business Law 3

Third Semester

ENGL 1301 Composition & Rhetoric I 3

HRPO 1311 Human Relations **OR** 3

PSYC 2301 General Psychology 3

SECOND YEAR

First Semester

ACNT 2303 Intermediate Accounting I 3

ACNT 2309 Cost Accounting 3

ECON 2301 Macro-economics **OR** 3

ECON 2302 Microeconomics 3

MATH 1314 College Algebra 3

Second Semester

SPCH 1315 Public Speaking **OR** 3

SPCH 1321 Business and Professional Communication 3

Elective Humanities/Fine Arts¹ 3

Elective Outside Area of Specialization 3

Elective Department approved² 3

Third Semester

ACNT 2304 Intermediate Accounting II 3

ACNT 2331 Internal Control and Auditing³ 3

TOTAL Credits for Accounting Associate of Applied Science degree 60

¹ Choose from the AAS core

² Electives to be selected from: ACNT 1391, 1393, 1340, 2330, 2332, 2333, 2335, 2337, 2380, 2381, BMGT 1331, BUSI 1307, 2304, HRPO 2301, IBUS 1305, ITSW 1404, ITSW 1407. Other electives may be chosen with accounting department approval.

³ Capstone course

The above text should now read as follows (effective Spring 2015):

ACCOUNTING

Associate of Applied Science degree

(AAS_ACCS degree offered at LSC-CyFair, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

FIRST YEAR

First Semester

ACCT 2401	Principles of Financial Accounting	4
ACNT 1331	Federal Income Tax: Individual	3
BCIS 1305	Business Computer Applications	3
PHED 1164	Introduction to Physical Fitness & Sport 1	
	OR any one credit hour physical activity course	

Second Semester

ACCT 2402	Principles of Managerial Accounting	4
ACNT 1347	Federal Income Tax for Partnerships and Corporations	3
BMGT 1327	Principles of Management	3
BUSI 2301	Business Law	3

Third Semester

ENGL 1301	Composition & Rhetoric I	3
HRPO 1311	Human Relations OR	3
PSYC 2301	General Psychology	

SECOND YEAR

First Semester

ACNT 2303	Intermediate Accounting I	3
ACNT 2309	Cost Accounting	3
ECON 2301	Macro-economics OR	3
ECON 2302	Microeconomics	
MATH 1314	College Algebra	3

Second Semester

SPCH 1315	Public Speaking OR	3
SPCH 1321	Business and Professional Communication	
	Elective Humanities/Fine Arts ¹	3
	Elective Outside Area of Specialization	3
	Elective Department approved ²	3

Third Semester

ACNT 2304	Intermediate Accounting II	3
ACNT 2331	Internal Control and Auditing ³	3

TOTAL Credits for Accounting Associate of Applied Science degree 60

¹ Choose from the AAS core

² Electives to be selected from: ACNT 1391, 1393, 1340, 2330, 2332, 2333, 2335, 2337, 2380, 2381, BMGT 1331, BUSI 1301, 1307, 2304, HRPO 2301, IBUS 1305. Other electives may be chosen with accounting department approval.

³ Capstone course

In the program plan for Accounting Advanced Technical Certificate-CPA Exam Preparation, the following text was revised:

¹ Choose business electives from the following: BMGT 1331, 1327, BUSI 2372, HRPO 2307, IBUS 1305, MRKG 1311, 2348

The above text should now read as follows (effective Spring 2015):

¹ Choose business electives from the following: BMGT 1331, 1327, BUSI 2372, HRPO 2307, IBUS 1305, 2341, MRKG 1311, 2348

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In the program plan for Administrative Support Certificate, the following text was revised:

Track D: Global Office Support Specialty C2_AGO2

ITSW 1310, ITSW 1407, IBUS 1305, IBUS 2341, POFT 1309, GEOG 1303; foreign language elective; choose either POFT 2380 or POFT 2386 for capstone course

Track E: Office Communications Specialty C2_AOC2

ITSW 1407, ITSC 2331, ITSW 1310, POFT 2331, ARTC 1302, ARTC 1313; any business or computer course; Choose POFT 2380 or 2386 for capstone course

The above text should now read as follows (effective Fall 2014):

Track D: Global Office Support Specialty C2_AGO2

ITSW 1310, ITSW 1307, IBUS 1305, IBUS 2341, POFT 1309, GEOG 1303; foreign language elective; choose either POFT 2380 or POFT 2386 for capstone course



Track E: Office Communications Specialty C2_AOC2

ITSW 1307, ITSC 2331, ITSW 1310, POFT 2331, ARTC 1302, ARTC 1313; any business or computer course; Choose POFT 2380 or 2386 for capstone course

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In the degree program for Administrative Services Associate of Applied Science degree, the following text was revised:

Track D: Global Office Support Specialty AAS_ASGO

ITSW 1310, ITSW 1407, IBUS 1305, IBUS 2341, POFT 1309, GEOG 1303; foreign language elective; Choose POFT 2380 or POFT 2386 for capstone course

Track E: Office Communications Specialty AAS_ASOC

ITSW 1407, ITSC 2331, ITSW 1310, POFT 2331, ARTC 1302, ARTC 1313; Any business or computer course; Choose POFT 2380 or 2386 for capstone course

The above text should now read as follows (effective Spring 2015):

Track D: Global Office Support Specialty AAS_ASGO

ITSW 1310, ITSW 1307, IBUS 1305, IBUS 2341, POFT 1309, GEOG 1303; foreign language elective; Choose POFT 2380 or POFT 2386 for capstone course

Track E: Office Communications Specialty AAS_ASOC

ITSW 1307, ITSC 2331, ITSW 1310, POFT 2331, ARTC 1302, ARTC 1313; Any business or computer course; Choose POFT 2380 or 2386 for capstone course

In the degree program for General Service Technician Certificate, the following text was revised:

(C1_GST1 certificate offered at LSC-Montgomery and LSC-North Harris)

The above text should now read as follows (effective Spring 2015):

(C1_GST1 certificate offered at LSC-North Harris)

In the degree program for Chassis and Electrical Technician Specialization Certificate, the following text was revised:

(C1_CET1 certificate offered at LSC-North Harris)

The above text should now read as follows (effective Spring 2015):

(C1_CET1 certificate offered at LSC-Montgomery, LSC-North Harris)

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In the degree program for Power Train and Driveability Technician Specialization Certificate, the following text was revised:

(C1_PTD1 certificate offered at LSC-North Harris)

The above text should now read as follows (effective Spring 2015):

(C1_PTD1 certificate offered at LSC-Montgomery, LSC-North Harris)

Page 126

In the program plan for Business Operations Certificate, the course BCIS 1305 has been added. Thus, the total credit hours required for the certificate is now 18 (effective Fall 2014.)

Page 128

The following text has been revised:

INTEGRATED TECHNOLOGY ADVANCED CERTIFICATE

(C2_ITA2 certificate offered at LSC-North Harris)

Prerequisite Semester		Credit
ITSC	1301 Introduction to Computers OR	3
COSC	1301 Introduction to Computers	

FIRST YEAR

First Semester		
ITSC	1305 Introduction to PC Operating Systems	3
ITSC	1325 Personal Computer Hardware	3
ENGL	1301 Composition & Rhetoric I	3

Second Semester		
ITCC	1401 Cisco Exploration 1 - Network Fundamentals	4
ITCC	1404 Cisco Exploration 2 - Routing Protocols and Concepts	4
SPCH	1321 Business and Professional Communication	3

Third Semester		
ITCC	2408 Cisco Exploration 3- Lan Switching and Wireless	4
ITCC	2410 Cisco Exploration 4 - Accessing the WAN	4
MATH	1314 College Algebra	3



SECOND YEAR

First Semester

ITMT	1370	Windows 7 Client Configuration 70-680	3
ITMT	1371	Windows Server 2008	3
		Technical Elective ¹	3-4
ITSY	1442	Information Technology Security	OR 4
ITSC	1407	UNIX Operating System I	

TOTAL Credits for Integrated Technology Advanced Certificate 47-48

¹ Choose from: ITSE 1445, ITNW 2452, ITSY 2400, 2401, EECT 1371, 1307, ITMT 1372, ITMT 2370, ITCC 2441, ITMT 1373

The above text should now read as follows (effective Spring 2015):

NETWORK AND COMPUTER SYSTEM ADMINISTRATOR CERTIFICATE

(C2_ITA2 certificate offered at LSC-CyFair,
LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball)

Prerequisite Semester		Credit
ITSC	1301	Introduction to Computers OR 3
COSC	1301	Introduction to Computers

FIRST YEAR

First Semester

ITSC	1305	Introduction to PC Operating Systems	3
ITSC	1325	Personal Computer Hardware	3
ENGL	1301	Composition & Rhetoric I	3

Second Semester

ITCC	1375	Introduction to Networks	3
ITCC	1376	Routing and Switching Essentials	3
SPCH	1321	Business and Professional Communication	3

Third Semester

ITCC	2378	Scaling Networks	3
ITCC	2379	Connecting Networks	3
MATH	1314	College Algebra	3

SECOND YEAR

First Semester

ITMT	1370	Windows 7 Client Configuration 70-680	3
ITMT	1371	Windows Server 2008	3
ITSC	1316	Linux Installation and Configuration	3

**TOTAL Credits for Integrated Technology
Administrator Certificate 39**

The Integrated Technology Basic Certificate has been deactivated (effective Spring 2015)

The following text was revised:

COMPUTER NETWORKING SPECIALIZATION

Associate of Applied Science degree

(specializations offered at LSC-CyFair,
LSC-Kingwood, LSC-North Harris and LSC-Tomball)

Prerequisite Semester		Credit
ITSC	1301	Introduction to Computers OR 3-4
COSC	1301	Introduction to Computers OR
CPMT	1403	Introduction to Computer Technology

FIRST YEAR

First Semester

ITSC	1305	Introduction to PC Operating Systems	3
ITNW	1325	Fundamentals of Networking Technologies	3
ENGL	1301	Composition & Rhetoric I	3
ITSC	1315	Project Management Software	3

Second Semester

		Tech. Track Technical Networking Core	3-4
		Tech. Track Technical Networking Core	3-4
PHED	1164	Introduction to Physical Fitness & Sport I OR any one credit hour physical activity course	
POFT	1301	Business English OR	3
BUSI	2304	Business Writing and Correspondence ¹	

Third Semester

		Elective Social/Behavioral Science ²	3
		Elective Humanities/Fine Arts ²	3

SECOND YEAR

First Semester		
Elective Math/Natural Science ³		3-4
ITSC 1325 Personal Computer Hardware		3
Tech. Track Technical Networking		3-4
Tech. Track Technical Networking		3-4
Second Semester		
Elective General Education ³		3
Elective Technical Elective ⁴		3-4
Elective Technical Elective ⁴		3-4
ITSC 2439 Personal Computer Help Desk ⁵	OR	3-4
ITSC 2380 Cooperative Education- Computer and Information Sciences ⁵		

TOTAL Credits for Computer Networking Specialization Associate of Applied Science degree 60-64

- ¹ Course meets speech competency
- ² Choose from the AAS core
- ³ Choose elective from general education requirements
- ⁴ Choose Technical Elective from ITMT 1XXX, ITMT 2XXX, ITCC 2XXX, ITSC, ITSW, ITNW, ITSY, IMED, GRPH, or CPMT
- ⁵ Capstone Course

All Technical Networking courses must be chosen from the same track:
Microsoft Track (AAS_CNMS): ITMT 1370, 1371, 1372 or 1373, 2370
Cisco Track (AAS_CNCI): ITCC 1375, 1376, 2378, 2379

The above text should now read as follows (effective Spring 2015):

COMPUTER NETWORKING SPECIALIZATION - CISCO

Associate of Applied Science degree

(AAS_CNCI degree offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

FIRST YEAR

First Semester		
ITSC 1301 Introduction to Computers	OR	3
COSC 1301 Introduction to Computers		
Elective Technical ¹		3
Elective Technical ¹		3
ENGL 1301 Composition & Rhetoric I		3
SPCH 1321 Business and Professional Communication		3
Second Semester		
ITCC 1375 Introduction to Networks		3
ITCC 1376 Routing and Switching Essentials		3
POFT 1301 Business English		3
Elective General Education ²		3
Summer Semester		
Elective-Humanities/Fine Arts ²		3
Elective Social/Behavioral Sciences ²		3

Second Year

First Semester		
Elective Math ²		3
Elective-General Education ²		3
Elective Technical ¹		3
ITSC 1305 Introduction to PC Operating Systems		3
ITSC 1325 Personal Computer Hardware		3
Second Semester		
ITSC 1315 Project Management Software		3
ITCC 2378 Scaling Networks		3
ITCC 2379 Connecting Networks		3
ITSC 2372 ³ Technical Skills Portfolio	OR	3
ITSC 2380 ³ Cooperative Education- Computer and Information Sciences		

TOTAL Credits for Computer Networking Specialization-Cisco Associate of Applied Science degree 60

- ¹ Choose Technical Elective from ITCC, ITSC, ITSW, ITNW
- ² Choose from the AAS core
- ³ Capstone course

COMPUTER NETWORKING SPECIALIZATION-MICROSOFT

Associate of Applied Science degree

(AAS_CNMS degree offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball and LSC-University Park)

First Semester



Prerequisite Semester			
ITSC	1301	Introduction to Computers	OR 3
COSC	1301	Introduction to Computers	
FIRST YEAR			
First Semester			
ITNW	1325	Fundamentals of Networking Technologies	3
ENGL	1301	Composition & Rhetoric I	3
ITSC	1325	Personal Computer Hardware	3
ITSC	1305	Introduction to PC Operating Systems	3
Second Semester			
ITMT	1370	Windows 7 Client Configuration 70-680	3
ITMT	1371	Windows Server 2008	3
POFT	1301	Business English	3
SPCH	1321	Business and Professional Communication	3
Summer Semester			
		Elective Social/Behavioral Science ¹	3
		Elective Humanities/Fine Arts ¹	3
SECOND YEAR			
First Semester			
		Elective Math ¹	3
		Elective Technical Elective ²	3
ITMT	1372	Windows Server 2008 Applications Infrastructure 70-643	OR 3
ITMT	1373	Windows Server 2008 Network Infrastructure 70-642	
ITMT	2370	Windows Server 2008 Active Directory 70-630	3
Second Semester			
		Elective Technical Elective ²	3
ITSC	1315	Project Management Software	3
		Elective Technical Elective ²	3
ITSC	2372 ³	Technical Skills Portfolio	OR 3
ITSC	2380 ³	Cooperative Education- Computer and Information Sciences	
TOTAL Credits for Computer Networking Specialization-Microsoft Associate of Applied Science degree 57			

¹ Choose from the AAS core

² Must select from: ITMT, ITCC, ITSC, ITSW 1304, ITSW 1307, ITSW 2xxx, ITNW

³ Capstone course

Page 129

In the degree plan for Network and Computer System Administrator Associate of Applied Science, the following text was added (effective Spring 2015):

¹ITCC 1375, 1376, 2378, 2379, ITMT 1370, 1371, 1372 or 1373, 2370

Page 130

In the program plan for Network Engineer Certificate-MS Level II/CCNP, the following text was revised:

Microsoft Track (C1_MCNA): ITMT 1370, ITMT 1371, ITMT 1372 or ITMT 1373, ITMT 2370, ITMT 24XX, ITNW 24XX or departmental approved course

Cisco Track (C1_CCNA): ITCC 1375, ITCC 1376, ITCC 2378, ITCC 2379, ITCC 2454, ITCC 2455, ITCC 2456

The above text should now read as follows (effective Fall 2014):

Microsoft Track (C1_MCSE): ITMT 1370, ITMT 1371, ITMT 1372 or ITMT 1373, ITMT 2370, ITMT 24XX, ITNW 24XX or departmental approved course

Cisco Track (C1_CCNP): ITCC 1375, ITCC 1376, ITCC 2378, ITCC 2379, ITCC 2454, ITCC 2455, ITCC 2456

The following text has been revised:

PC SUPPORT SPECIALIST CERTIFICATE

(C2_PCSS certificate offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris and LSC-Tomball)

FIRST YEAR Credit

First Semester

ITSC 1301 Introduction to Computers **OR** 3

COSC 1301 Introduction to Computers

Second Semester



ITSC	1315	Project Management Software	3
ITNW	1325	Fundamentals of Networking Technologies OR	3-4
ITCC	1401	Cisco Exploration 1 - Network Fundamentals	
ITSC	1305	Introduction to PC Operating Systems	3
POFT	1301	Business English	3
COSC	1309	Logic Design OR	3-4
ITSE	1402	Computer Programming	
Third Semester			
IMED	1316	Web Design I	3
ITSW	1404	Introduction to Spreadsheets	4
ITSW	1301	Introduction to Word Processing	3
POFT	1325	Business Math Using Technology	3
POFT	2331	Administrative Systems	3

SECOND YEAR

First Semester			
		Technical Elective ¹ OR	3-4
ACNT	1303	Introduction to Accounting I	
ITSC	1325	Personal Computer Hardware	3
ITSC	2439	Personal Computer Help Desk ² OR	3-4
ITSC	2380	Cooperative Education- Computer and Information Sciences ²	
ITSW	1407	Introduction to Databases	4
TOTAL Credits for PC Support Specialist Certificate			47-51

¹ Select from ITCC, ITSC, ITSE, ITSW, ITNW, ITMT, IMED, GRPH or CPMT

² Capstone course

Note: Students must meet TSI requirements. See LoneStar.edu/TSI for details.

The above text should now read as follows (effective Fall 2014):

PC SUPPORT SPECIALIST CERTIFICATE

(C2_PCSS certificate offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris and LSC-Tomball)

FIRST YEAR			Credit
First Semester			
ITSC	1301	Introduction to Computers OR	3
COSC	1301	Introduction to Computers	
Second Semester			
ITSC	1315	Project Management Software	3
ITNW	1325	Fundamentals of Networking Technologies OR	3 - 4
ITCC	1401	Cisco Exploration 1 - Network Fundamentals	
ITSC	1305	Introduction to PC Operating Systems	3
POFT	1301	Business English	3
COSC	1309	Logic Design OR	3 - 4
ITSE	1402	Computer Programming	
Third Semester			
IMED	1316	Web Design I	3
ITSW	1404	Introduction to Spreadsheets	4
ITSW	1301	Introduction to Word Processing	3
MATH	1314	College Algebra	3
ITSC	1315	Project Management Software	3
SECOND YEAR			
First Semester			
		Technical Elective ¹ OR	3 - 4
ITSC	1325	Personal Computer Hardware	
ITSC	2372 ²	Technical Skills Portfolio OR	3
ITSC	2380 ²	Cooperative Education- Computer and Information Sciences	
ITSW	1407	Introduction to Databases	4
TOTAL Credits for PC Support Specialist Certificate			44-47

Note: Students must meet TSI requirements. See LoneStar.edu/TSI for details.

¹ Select from: ITCC, ITSC, ITSE, ITSW, ITNW, ITMT, IMED, GRPH or CPMT

² Capstone course

Page 131

In the program plan for Programming Specialist Certificate, the following text was revised:



² Second Year Electives: ITSE 2449, ITSE 2431, INEW 2438, ITSE 2453

The above text should now read as follows (effective Spring 2015):

² Second Year Electives: ITSC 2349, ITSE 2331, INEW 2338, ITSE 2353

The following text was revised:

PROGRAMMING SPECIALIST CERTIFICATE

(C1_CPS1 certificate offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris and LSC-Tomball)

FIRST YEAR		Credit
First Semester		
ITSC 1301	Introduction to Computers OR	3
COSC 1301	Introduction to Computers	
ITSE 1402	Computer Programming OR	3-4
COSC 1309	Logic Design	
SPCH 1318	Interpersonal Communication	3
Second Semester		
Elective - Programming Language ¹		3-4
Elective - Programming Language ¹		3-4
ITNW 1325	Fundamentals of Networking Technologies OR	3-4
ITCC 1401	Cisco Exploration 1 - Network Fundamentals	
Third Semester		
ITSC 1305	Introduction to PC Operating Systems	3

SECOND YEAR

First Semester		
Elective - Programming Language (sequence course) ²		3-4
Elective - Programming Language (sequence course) ²		3-4
ITSE 1450	Systems Analysis and Design	4
Second Semester		
ITSE 2459	Advanced Computer Programming ¹	3-4
OR		
ITSE 2380	Cooperative Education: Computer Programming ³	

TOTAL Credits for Programming Specialist Certificate 34-41

¹ First Year Electives: ITSE 1356, 1432, 1407, 1418, 2417, 1430

² Second Year Electives: ITSE 2449, ITSE 2431, INEW 2438, ITSE 2453 ITSE

³ Capstone course

The above text should now read as follows (effective Fall 2014):

PROGRAMMING SPECIALIST CERTIFICATE

(C1_CPS1 certificate offered at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris and LSC-Tomball)

FIRST YEAR		Credit
First Semester		
ITSC 1301	Introduction to Computers OR	3
COSC 1301	Introduction to Computers	
ITSE 1402	Computer Programming OR	3 - 4
COSC 1309	Logic Design	
SPCH 1321	Business and Professional Communication	3
Second Semester		
Elective - Programming Language ¹		3 - 4
Elective - Programming Language ¹		4
ITNW 1325	Fundamentals of Networking Technologies OR	3
ITCC 1375	Introduction to Networks	
Third Semester		
ITSC 1305	Introduction to PC Operating Systems	3

SECOND YEAR

First Semester		
Elective - Programming Language (sequence course) ²		4
Elective - Programming Language (sequence course) ²		4
ITSE 1450	Systems Analysis and Design	4
Second Semester		
ITSE 2459 ³	Advanced Computer Programming 3 - 4 OR	
ITSE 2380 ³	Cooperative Education: Computer	

Programming

TOTAL Credits for Programming Specialist Certificate 37-40

- ¹ First Year Electives: ITSE 1356, ITSE 1432, ITSE 1407, ITSE 1418, ITSE 2417, ITSE 1430
- ² Second Year Electives: ITSE 2449, ITSE 2431, INEW 2438, ITSE 2453
- ³ Capstone course

In the program plan for Programming Specialist Specialization, first year, third semester, the following text was revised:

ACCT 2401 Principles of Accounting I 4

The above text should now read as follows (effective Fall 2014):

ACCT 2401 Principles of Financial Accounting 4

The following text was revised:

PROGRAMMING SPECIALIST SPECIALIZATION

Associate of Applied Science degree

(AAS_CSPTS degree offered at LSC-CyFair, LSC-Kingwood, LSC-North Harris and LSC-Tomball)

FIRST YEAR	Credit
First Semester	
ENGL 1301 Composition & Rhetoric I	3
ITSC 1301 Introduction to Computers OR	3
COSC 1301 Introduction to Computers	
ITSE 1402 Computer Programming OR	3-4
COSC 1309 Logic Design	
MATH Elective ¹	3-4
Second Semester	
Elective Programming Language ²	3-4
Elective Programming Language ²	4
ITSC 1305 Introduction to PC Operating Systems	3
Elective Social/Behavioral Science ³	3
Third Semester	
Elective General Education ³	3
ACNT 1303 Introduction to Accounting I OR	3
ACCT 2401 Principles of Accounting I	4

SECOND YEAR

First Semester	
Elective Programming Language (sequence course) ⁴	4
Elective Programming Language (sequence course) ⁴	4
PHED 1164 Introduction to Physical Fitness & Sport	1
OR any one credit hour physical activity course	
SPCH 1318 Interpersonal Communication	3
Second Semester	
Elective Technical ⁵	3-4
ITNW 1325 Fundamentals of Networking Technologies OR	3-4
ITCC 1401 Cisco Exploration 1 - Network Fundamentals	
ITSE 1450 Systems Analysis and Design	4
Elective Humanities/Fine Arts ³	3
ITSE 2459 Advanced Computer Programming ⁶	3-4
OR	
ITSE 2380 Cooperative Education: Computer Programming ⁶	

TOTAL Credits for Programming Specialist Specialization Associate of Applied Science degree 60-66

- ¹ Choose from MATH 1314 or higher level course
- ² First Year Electives: ITSE 1356, 1407, 1430, 1432, 1418, 2417
- ³ Choose from the AAS core
- ⁴ Second Year Electives: ITSE 2449, 2431, 2438, 2453
- ⁵ Choose from ITSE, ITSW, ITNW, ITSC, ITSY, IMED, GRPH
- ⁶ Capstone course

The above text should now read as follows (effective Spring 2015):

PROGRAMMING SPECIALIST SPECIALIZATION

Associate of Applied Science degree

(AAS_CSPTS degree offered at LSC-CyFair, LSC-Kingwood, LSC-North Harris and LSC-Tomball)

FIRST YEAR	Credit
First Semester	



ENGL 1301	Composition & Rhetoric I	3
ITSC 1301	Introduction to Computers OR	3
COSC 1301	Introduction to Computers	
ITSE 1302	Computer Programming OR	3
COSC 1309	Logic Design	
MATH	Elective ¹	3
Second Semester		
	Elective Programming Language ²	3
	Elective Programming Language ²	3
ITSC 1305	Introduction to PC Operating Systems	3
ACNT 1303	Introduction to Accounting I	3
Third Semester		
	Elective General Education ¹	3
SPCH 1321	Business and Professional Communication	3

SECOND YEAR

First Semester		
	Elective Programming Language (sequence course) ³	3
	Elective Programming Language (sequence course) ³	3
ITNW 1325	Fundamentals of Networking Technologies OR	3
ITCC 1375	Introduction to Networks	
	Technical Elective ⁴	3
	Elective Humanities/Fine Arts ¹	3
Second Semester		
	Elective Technical ⁴	3
	Elective Social/Behavioral Science ¹	3
ITSE 1350	Systems Analysis and Design	3
ITSC 1315	Project Management Software	3
ITSE 2359 ⁵	Advanced Computer Programming OR	3
ITSE 2380 ⁵	Cooperative Education: Computer Programming	

TOTAL Credits for Programming Specialist Specialization Associate of Applied Science degree 60

¹ Choose from the AAS core

² Must take the Beginning courses from two separate programming language: ITSE 1307, 1311, 1330, 1332, 2317.

³ Must take the Advanced courses in same programming language as beginning courses were taken: ITSE 2331, 2349, 2353, INEW 2338

⁴ Choose from ITSE, ITSW, ITNW, ITSC, IMED, GRPH, GAME.

⁵ Capstone course

Page 133

In the program plan for Cosmetology Instructor Certificate, prerequisite semester, the course list has changed. The following text was revised:

Prerequisite Semester	Credit	
ENGL 1301	Composition & Rhetoric I	3
	Electives General Education ¹	9

The above text should now read as follows (effective Fall 2014):

Prerequisite Semester	Credit	
ENGL 1301	Composition & Rhetoric I	3
	Math/Natural Science Elective ¹	3 – 4
SPCH 1315	Public Speaking OR	3
SPCH 1318	Interpersonal Communication	
	Humanities/Fine Arts Elective ¹	3

Credit hours required for the Cosmetology Instructor Certificate were changed from "36" to "36 - 37."

Page 134

In the program plan for Cosmetology Facial, first year, first semester. The following text was revised:

	Elective Math/Natural Sciences ¹	4
	Elective Natural Sciences ¹	4

The above text should now read as follows (effective Spring 2015):

Page 137

The following text was revised:

Transfer Guidelines

An individual's request to transfer into any LSCS sonography program will be reviewed on an individual basis by the program director, and only after meeting Lone Star College entrance requirements. It is recommended to allow a minimum of three months for processing. Class placement is based on previous achievement and space availability. Admission is considered only if prior program enrollment has been within one (1) year.

The above text should now read as follows (effective Fall 2014):

Transfer Guidelines

An individual's request to transfer into any LSCS sonography program will be reviewed on an individual basis by the program director, and only after meeting Lone Star College entrance requirements. Transfer students must meet all admission requirements of the Diagnostic Medical Sonography Program. It is recommended to allow a minimum of three months for processing. Class placement is based on previous achievement and space availability. Admission is considered only if prior program enrollment has been within one (1) year and the candidate is in good standing in a program or in previous program. All of the following steps must be completed for consideration.

Page 137

In the program plan for Diagnostic Medical Sonography, first year, third semester, the following text was revised:

DMSO 1367 Practicum II 3

The above text should now read as follows (effective Spring 2015):

DMSO 1267 Practicum II 2

Page 138

In the program plan for Sonography Advanced Technical Certificate, first year, third semester, the following text was revised:

DMSO 1367 Practicum II 3

The above text should now read as follows (effective Spring 2015):

DMSO 1267 Practicum II 2

Page 144

In the degree plan for Emergency Medical Services Professions, Associate of Applied Science, first year, second semester, the following text was removed:

Any one credit hour physical activity course 1

In the degree plan for Emergency Medical Services Professions, Associate of Applied Science, second year, first semester, the following text was removed:

EMSP 2160 Clinical-Paramedic III 1
EMSP 2330 Special Populations 3
EMSP 2434 Medical Emergencies 4
PSYC 2301 General Psychology OR 3

In the degree plan for Emergency Medical Services Professions, Associate of Applied Science, second year, first semester, the following text was added:

EMSP 2444 Cardiology 4
EMSP 2300 Methods of Teaching EMS OR
EMSP 2352 EMS Research OR
EMSP 2359 EMS Supervision/Mangement 3
Elective Humanities/Fine Arts¹

In the degree plan for Emergency Medical Services Professions, Associate of Applied Science, second year, second semester, the following text was removed:

EMSP 2143 Assessment Based Management³ 1
EMSP 2361 Clinical-EMS 3
GOVT 2305 Federal Government OR 3
GOVT 2306 Texas Government
SOCI 1301 Principles of Sociology OR 3
PSYC 2301 General Psychology

In the degree plan for Emergency Medical Services Professions, Associate of Applied Science, second year, second semester, the following text was added:

EMSP 2160 Clinical-Paramedic III 1
EMSP 2330 Special Populations 3
EMSP 2434 Medical Emergencies 4
PSYC 2301 General Psychology OR
SOCI 1301 Principles of Sociology 3

In the degree plan for Emergency Medical Services Professions, Associate of Applied Science, second year, a third semester was added:

Third Semester
EMSP 2143 Assessment Based Management² 1
EMSP 2361 Clinical-EMS 3

In the degree plan for Emergency Medical Services Professions, Associate of Applied Science, the following text was revised:

**TOTAL Credits for Emergency Medical Services
Professions Associate of Applied Science degree 67**

- ¹ Choose from EMSP 2300, 2352 or 2359
- ² See the catalog for appropriate choices and requirements for the associate of applied science degree
- ³ Capstone course

Note: It is recommended that students complete BIOL 2401 prior to beginning paramedic coursework.

The above text should now read as follows (effective Spring 2015):

**TOTAL Credits for Emergency Medical Services
Professions Associate of Applied Science degree 60**

- ¹ See the catalog for appropriate choices and requirements for the associate of applied science degree
- ² Capstone course

Page 145

In the program plan for Automated Manufacturing Technician Certificate, first year first semester, DFTG 1325 is replaced with MCHN 1302 Print Reading for Machine Trade (effective Fall 2014.)

In the degree plan for Automated Manufacturing Technician Associate of Applied Science degree, first year first semester, DFTG 1325 is replaced with MCHN 1302 Print Reading for Machine Trade (effective Fall 2014.)

Page 146

In the program plan for Industrial Diesel Technology Certificate I, the following course has been added (effective Fall 2014):

DEMR 1229 Preventative Maintenance 2

Thus, the required credit hours for the program increases from 15 to 17.

Page 147

In the program plan for Industrial Diesel Technology Certificate II, DEMR 1229 Preventative Maintenance has been moved from the second semester to the first semester of the first year (effective Fall 2014.)

In the program plan for Petroleum Data Technology Certificate, third semester, the following text was revised:

PTRT 2380 Cooperative Education - Petroleum Technology/Technician¹ 3

The above text should now read as follows (effective Fall 2014):

PTRT 2370 Petroleum Data Management III - Facilities & Performance¹ 3

Page 148

In the degree plan for Computer-Aided Design Operator/Drafting Certificate, the following text has been deleted (Effective Fall 2014):

TECM 1303 Technical Calculations **OR**

Page 152

In the program plan for Game Design and Simulation Developer (Programming) Certificate, first year, third semester, the following optional course has been removed (effective Fall 2014):

ITSE 1402 Computer Programming

Page 154

In the program plan for Geographic Information Systems Technician Certificate, the following text was revised:

² ITSE 1402 or ITSE 1432 may substitute for ITSW 1407

The above text should now read as follows (effective Spring 2015):

² ITSE 1402 or ITSE 1332 may substitute for ITSW 1307

In the program plan for Geographic Information Systems Analyst Certificate, the following text was revised:

¹ ITSE 1402 or ITSE 1432 may substitute for ITSW 1407.

The above text should now read as follows (effective Spring 2015):

¹ ITSE 1402 or ITSE 1332 may substitute for ITSW 1307.

In the degree plan for Geographic Information Systems Associate of Applied Science degree, the following text was revised:

¹ ITSE 1402 or ITSE 1432 may substitute for ITSW 1407

The above text should now read as follows (effective Spring 2015):



¹ ITSE 1402 or ITSE 1332 may substitute for ITSW 1307

Page 155-158

The information for "Health Information Technology" has been updated to read as follows (effective Spring 2015):

HEALTH INFORMATION TECHNOLOGY

Program Description

The health information technology (HIT) associate of applied science degree is designed to prepare graduates for entry level employment as health information technicians. The associate of applied science degree program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education Program accreditation allows AAS degree graduates to apply for certification examination to become Registered Health Information Technicians (RHIT).

Registered health information technicians perform technical medical record functions vital to the operation of the organization, including analyzing, coding, and health record evaluation. Registered health information technicians process, maintain, complete and report health information data for reimbursement, facility planning, marketing, risk management, utilization management, quality assessment and research. Graduates may be employed in a variety of settings including hospitals, health maintenance organizations, and other health care facilities.

The general education core will transfer to a variety of colleges and universities. Contact a counselor or faculty member at any of the colleges/universities for specific information and to obtain the recommended sequencing of courses.

To meet graduation requirements for any of the certificate or degree programs in the health information technology department, students must attain a grade of "C" or better in each major and general education course. Courses with grades less than a "C" must be repeated.

Admission Criteria: AAS Degree

In order to be considered for admission to the HIT program, students must pass the Texas Success Initiative. Unless students are TSI exempt, they must take the TSI Assessment and receive college-level placement in reading, writing, and completion of MATH 0310 or higher. Students must submit an application that can be found on the college's website under the HIT department. Prospective students may submit the form online or pick one up one up at Lone Star North Harris Winship 174 and bring the completed packet to the department. Applications are accepted from May 1st to July 30 for fall entry into the program. Students wishing to begin the program at any other time besides the fall may take some of the support classes or prerequisites for the program such as BIOL 2401 Human Anatomy and Physiology I or HITT 1305 Medical Terminology.

Applicants seeking admission into the health information technology AAS degree program and must successfully pass a criminal background check. A drug screen may also be required based on terms of our clinical affiliation agreement. Information on approved vendors will be provided by the program director. Students may be required to show proof of immunizations such as tetanus and MMR (mumps, measles, rubella). Students may also be required to document negative results from a tuberculosis test. Applicants must cover the cost of the background check, immunizations and drug screen if required by clinical affiliates.

Website: LoneStar.edu/health-info-tech-aas

Coding Certificate Description

The coding certificate is currently approved by the Council on Certification of the American Health Information Management Association (AHIMA). In addition, program accreditation allows coding certificate graduates to apply for certification examination to become a Certified Coding Associate (CCA).

Registered health information technicians perform technical medical record functions vital to the operation of the organization, including analyzing, coding, and health record evaluation. Registered health information technicians process, maintain, complete and report health information data for reimbursement, facility planning, marketing, risk management, utilization management, quality assessment and research. Graduates may be employed in a variety of settings including hospitals, health maintenance organizations, and other health care facilities.

The general education core will transfer to a variety of colleges and universities. Contact a counselor or faculty member at any of the colleges/universities for specific information and to obtain the recommended sequencing of courses.

To meet graduation requirements for any of the certificate or degree programs in the health information technology department, students must attain a grade of "C" or better in each major and general edu-

cation course. Courses with grades less than a “C” must be repeated.

Admission Criteria: Coding Certificate

Admission to the certificate program requires completion of an application found on the LSC-North Harris Web site. Applications are accepted March 1 to May 1st for fall entry. Applicants seeking admission into these programs must successfully pass a criminal background check. Students may be required to show proof of immunizations such as tetanus and MMR (mumps, measles, rubella). Students may also be required to document negative results from a tuberculosis test. Applicants must cover the cost of the background check, immunizations and drug screen if required by clinical affiliates. Admission requires the following:

1. College-level reading and writing readiness skill
2. Completion of ENGL 0305 or ENGL 0365 & ENGL 0307 or ENGL 0375 or higher
3. Completion of MATH 0310 or higher

The coding certificate prepares the technician to assign a code to a medical diagnosis or procedure. Medical coders consult classification manuals and rely on their knowledge of disease processes to assign codes. After completion of the certificate, graduates are eligible to sit for a national certification exam administered by AHIMA and become certified as a certified coding associate (CCA). The coding certificate program begins every fall semester. Students wishing to begin the certificate program at any other time besides the fall may take some of the core courses or prerequisites for the program.

Employment of medical records and health information technicians is expected to increase by 18 percent through 2016 according to the Bureau of Labor Statistics. This is faster than the average for all occupations because of rapid growth in the number of medical tests, treatments, and procedures that will be increasingly scrutinized by health insurance companies, regulators, courts, and consumers. Technicians will be needed to enter patient information into computer databases to comply with Federal legislation mandating the use of electronic medical records.

Students admitted to the program will be required to pay liability insurance during the semesters involving off-campus practicums or internships. At some facilities, students may be required to successfully pass a criminal background check and drug screen, as well as to show proof of immunizations such tetanus and MMR (mumps, measles, rubella). Students may also be required to document negative results from a tuberculosis test. These costs are borne by the student.

Website: LoneStar.edu/Hospital-Based-Coding-Certificate

Page 159

The following certificate has been deactivated (effective Fall 2014):

PHYSICIAN OFFICE-BASED CODING CERTIFICATE

(C1_POB1 certificate offered at LSC-North Harris)

Prerequisite Semester		Credit
HITT	1305 Medical Terminology I	3
COSC	1301 Introduction to Computers OR	3
ITSC	1301 Introduction to Computers	

FIRST YEAR

First Semester		
BIOL	2404 Intro to Anatomy and Physiology	4
POFM	1317 Medical Administrative Support	3
HPRS	2301 Pathophysiology	3
HITT	1213 Insurance Coding	2
Second Semester		
HITT	2340 Advanced Medical Billing & Reimbursement	3
HPRS	2300 Pharmacology - Health Professions	3
HPRS	2321 Med Law & Ethics Health Professions	3
HITT	1342 Ambulatory Coding	3
Third Semester		
HITT	1280 Cooperative Education ¹	2

TOTAL Credits for Physician Office-Based Coding Certificate 32

¹ Capstone course

The following text has been revised:

HOSPITAL-BASED CODING CERTIFICATE

(C2_HBC2 certificate offered at LSC-North Harris)

Prerequisite Semester		Credit
BIOL	2401 Human Anatomy & Physiology I	4
HITT	1305 Medical Terminology I	3



FIRST YEAR

First Semester		
HITT	1301 Health Data Content & Structure	3
HITT	1342 Ambulatory Coding	3
HITT	1341 Coding & Classification Systems	3
BIOL	2402 Human Anatomy & Physiology II	4
Second Semester		
HITT	1345 Health Care Delivery Systems	3
HITT	2335 Coding and Reimbursement Methodologies	3
HITT	1211 Health Information Systems	2
HITT	2346 Advanced Medical Coding	3
HPRS	2301 Pathophysiology	3
Third Semester		
HITT	1260 ¹ Clinical - Health Information/Medical Records Technology/Technician	2
TOTAL Credits for Coding Certificate		36

Note: Students must meet math competency (MATH 0308 or higher)

¹ Capstone course

The above text should now read as follows (effective Fall 2014):

CODING CERTIFICATE

(C2_HBC2 certificate offered at LSC-North Harris)

Prerequisite Semester		
BIOL	2401 Human Anatomy & Physiology I	4
HITT	1305 Medical Terminology I	3

FIRST YEAR

First Semester		
HITT	1301 Health Data Content & Structure	3
HITT	1342 Ambulatory Coding	3
HITT	1341 Coding & Classification Systems	3
BIOL	2402 Human Anatomy & Physiology II	4
Second Semester		
HITT	1345 Health Care Delivery Systems	3
HITT	2335 Coding and Reimbursement Methodologies	3
HITT	1211 Health Information Systems	2
HITT	2346 Advanced Medical Coding	3
HPRS	2301 Pathophysiology	3
Third Semester		
HITT	1260 ¹ Clinical - Health Information/Medical Records Technology/Technician	2
TOTAL Credits for Coding Certificate		36

¹ Capstone course

The following text has been revised:

HEALTH INFORMATION TECHNOLOGY

Associate of Applied Science degree

(AAS_HINT degree offered at LSC-North Harris)

FIRST YEAR		
First Semester		
BIOL	2401 Human Anatomy & Physiology I	4
HITT	1305 Medical Terminology I	3
HITT	1401 Health Data Content & Structure	4
COSC	1301 Introduction to Computers	3
PHED	1164 Introduction to Physical Fitness & Sport I	1
OR any one credit hour physical activity course		
Second Semester		
BIOL	2402 Human Anatomy & Physiology II	4
ENGL	1301 Composition & Rhetoric I	3
HITT	1345 Health Care Delivery Systems	3
HITT	1353 Legal and Ethical Aspects of Health 3 Information	3
HITT	1355 Health Care Statistics	3
Third Semester		
Elective Humanities/Fine Arts ¹		3
Elective Social/Behavioral Sciences ¹		3

SECOND YEAR

First Semester		
HITT	1166 Practicum-Health Information Technology/Technician	1
HPRS	2301 Pathophysiology	3
HITT	1441 Coding & Classification Systems	4

HITT 1211	Health Information Systems	2
SPCH Elective ¹		3
Second Semester		
HITT 2339	Health Information Organization & Supervision	3
HITT 2343	Quality Assessment & Performance Improvement	3
HITT 1342	Ambulatory Coding	3
HITT 2435	Coding and Reimbursement Methodologies	4
Third Semester		
HITT 2249	RHIT Competency Review	2
HITT 2460	Clinical - Medical Records Technology Technician ²	4
TOTAL Credits for Health Information Technology Associate of Applied Science degree		69

¹ Choose from the AAS core

² Capstone experience course: students meet 38 hrs/week for 5 1/2 weeks (equivalent to 12 hrs/week for 16 weeks)

The above text should now read as follows (effective Fall 2014):

HEALTH INFORMATION TECHNOLOGY

Associate of Applied Science degree

(AAS_HINT degree offered at LSC-North Harris)

FIRST YEAR		Credit
First Semester		
BIOL 2401	Human Anatomy & Physiology I	4
HITT 1305	Medical Terminology I	3
HITT 1301	Health Data Content & Structure	3
ENGL 1301	Composition & Rhetoric I	3
Second Semester		
BIOL 2402	Human Anatomy & Physiology II	4
SPCH 1311	Introduction To Communication	3
HITT 1345	Health Care Delivery Systems	3
HITT 1253	Legal and Ethical Aspects of Health Information	2
HITT 1255	Health Care Statistics	2
Third Semester		
HITT 1260	Clinical - Health Information/Medical Records Technology/Technician	2
	Elective/Humanities/Fine Arts ¹	3
PSYC 2301	General Psychology OR	3
SOCI 1301	Principles of Sociology	

SECOND YEAR

First Semester		
HPRS 2301	Pathophysiology	3
HITT 1341	Coding & Classification Systems	3
HITT 1211	Health Information Systems	2
HITT 1342	Ambulatory Coding	3
HITT 2343	Quality Assessment & Performance Improvement	3
Second Semester		
HITT 2346	Advanced Medical Coding	3
HITT 2239	Health Information Organization & Supervision	2
HITT 2335	Coding and Reimbursement Methodologies	3
HITT 2149	RHIT Competency Review	1
HITT 2260	Clinical - Medical Records Technology Technician	2

TOTAL Credits for Health Information Technology Associate of Applied Science degree **60**

¹ Choose from the AAS core

Page 161

In the degree plan for Heating, Ventilation, Air Conditioning and Refrigeration Associate of Applied Science degree, second year, third semester, the following text has been deleted (effective Fall 2014):

SPCH Elective ¹	3
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Page 162

In the degree plan for Human Services Certificate, first year, first semester, the following text has been deleted (effective Spring 2015):

DAAC 1304	Pharmacology of Addiction	3
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The above text should now read as follows (effective Spring 2015):

Page 164

In the program plan for Design Essentials Certificate, the following optional course has been removed (effective Fall 2014):

HRPO 1311 Human Relations

Page 167

In the program plan for Live Entertainment Technology-Certificate I, the following course has been deleted (effective Fall 2014):

DFTG 1309 Basic Computer-aided Drafting 3

Thus, the credit hours required for this certificate change from 29 to 26.

In the program plan for Live Entertainment Technology-Certificate II, the following course has been deleted (effective Fall 2014):

DFTG 1309 Basic Computer-aided Drafting 3

Thus, the credit hours required for this certificate change from 44 to 41.

Page 170

In the degree plan for Logistics Management Associate of Applied Science degree, second year, second semester, the following text was revised:

ACCT 2401 Principles of Accounting I 4

The above text should now read as follows (effective Fall 2014):

ACCT 2401 Principles of Financial Accounting 4

LSC-Montgomery has been added to the campuses offering the Machinist I Certificate (C1_MAC1)

The following course has been added to the program plan for Machinist I Certificate:

MCHN 1319 Manufacturing Materials and Processes 3

Thus, the credit hours required for the certificate change from 15 to 18.

Page 170

The following text was added (Spring 2015):

MESSAGE THERAPY CERTIFICATE

Pending THECB Approval

(C1_MSSG certificate offered at LSC-North Harris)

The Massage Therapy Certificate prepare students to be skilled and responsible therapeutic massage providers. Students learn the practice of using touch to manipulate the soft-tissue muscles of the body. Massage therapy is performed for a variety of reasons, including pain treatment, decompressing tired and overworked muscles, reducing stress, rehabilitating sports injuries, and promoting general health. This program is accredited through the National Certification Board for Therapeutic Massage and Bodywork and is licensed through the Texas Department of State Health Services. Prepares students for Massage Therapy Licensing Exam.

	Credit
MSSG 1109 Health & Hygiene	1
MSSG 1411 Massage Therapy Fundamentals I	4
MSSG 1413 Anatomy & Physiology for Massage	4
MSSG 1207 Business Practices & Professional Ethics	2
MSSG 1105 Hydrotherapy/Therapeutic Modalities	1
MSSG 2313 Kinesiology for Massage	3
MSSG 2311 Massage Therapy Fundamentals II	3
MSSG 2314 Pathology for Massage	3
MSSG 2286 Internship/Massage Therapy/ Therapeutic Massage ¹	2
TOTAL Credit Hours for Massage Therapy Certificate	23

¹ Capstone course

Page 171

The following text was added to the Medical Assisting program summary (Spring 2015):

The Lone Star College Medical Assistant Programs are accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical



Assistant Education Review Board (MAERB).

Commission on Accreditation of Allied Health Education Programs
1361 Park Street
Clearwater, FL 33756
727.210.2530
www.caahep.org

Page 203

In the program plan for Surgical Technologist Certificate, the courses HITT 1305 and HPRS 2300 have been removed. Thus, the total credit hours required for the certificate is now 36 (effective Fall 2014.)

Page 205

In the program plan for Veterinary Assistant Certificate, third semester, the following text has been deleted:

VTHT 2421 Veterinary Parasitology 4

Page 209

In the degree plan for Visual Communication Associate of Applied Science degree, the following text was revised:

Track D-Web Design (AAS_VSCV) offered at LSC-North Harris

ARTC 1353, IMED 1316, IMED 1341, IMED 2313, IMED 1345, IMED 2315, IMED 2309, IMED 2349, IMED 2345, ITSE 1402; For capstone, choose one of the following: IMED 2311 or IMED 2380

The above text should now read as follows (effective Spring 2015):

Track D-Web Design (AAS_VSCV) offered at LSC-North Harris

ARTC 1353, IMED 1316, IMED 1341, IMED 2313, IMED 1345, IMED 2315, IMED 2309, IMED 2349, IMED 2345, ITSE 1302; For capstone, choose one of the following: IMED 2311 or IMED 2380

Page 213

The following text was revised:

ACCT 2401 - PRINCIPLES OF ACCOUNTING I

4 Credits (3 hrs. lec., 2 hrs. lab.) An introduction to financial accounting including a study of financial statements of business entities and the measurement and reporting of assets, liabilities, equity, revenues, expenses and cash flows with emphasis on how business and economic information is generated in the accounting process. (5203015104) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0306

The above text should now read as follows (effective Spring 2015):

ACCT 2401 - PRINCIPLES OF FINANCIAL ACCOUNTING

4 Credits (3 hrs. lec., 2 hrs. lab.) This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity 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 International Financial Reporting Standards (IFRS). (5203015104) Prerequisites: None

The following text was revised:

ACCT 2402 - PRINCIPLES OF ACCOUNTING II

4 Credits (3 hrs. lec., 2 hrs. lab.) An introduction to managerial accounting including a study of costs and cost behavior within business entities, the use of cost information for planning and control decisions, and product costing for purposes of inventory valuation and income determination. (5203015104) Prerequisite: ACCT 2401

The above text should now read as follows (effective Fall 2014):

ACCT 2402 - PRINCIPLES OF MANAGERIAL ACCOUNTING

4 Credits (3 hrs. lec., 2 hrs. lab.) This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to 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 assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies cost behavior, operational, and capital budgeting, and performance evaluation. (5203015104) Prerequisite: ACCT 2401

The following text for ACNT 1331 - Federal Income Tax: Individual was revised:

Prerequisites: ENGL 0304 or ENGL 0364 AND ENGL 0306 or ENGL 0374 OR ENGL 0302 OR higher level course

(ENGL 1301) OR placement by testing; MATH 0306

The above text should now read as follows (effective Spring 2015):

Prerequisites: None

Page 214

The following text for ACNT 1340 - Accounting and Business Ethics was revised:

Prerequisites: ACCT 2401

The above text should now read as follows (effective Spring 2015):

Prerequisites: None

Page 219

The following text was revised:

ARTS 1301 - ART APPRECIATION

3 Credits (3 hrs. lec.) An introductory course that studies the visual arts (painting, architecture, sculpture and crafts) through an exploration of their purpose and processes. Occasional field trips are required. This course is for non-majors and art majors or minors who have little or no background in art. (5007035126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

ARTS 1301 - ART APPRECIATION

3 Credits (3 hrs. lec.) A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts. (5007035126) Prerequisites: College level readiness in reading and writing.

The following text was revised:

ARTS 1303 - ART HISTORY: PREHISTORY TO GOTHIC

3 Credits (3 hrs. lec.) A survey of painting, sculpture, architecture and the arts from prehistoric times to the fourteenth century. (5007035226) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

ARTS 1303 - ART HISTORY: PREHISTORY TO GOTHIC

3 Credits (3 hrs. lec.) A chronological analysis of the historical and cultural contexts of the visual arts from the prehistoric times to the 14th century. (5007035226) Prerequisites: College level readiness in reading and writing.

The following text was revised:

ARTS 1304 - ART HISTORY: RENAISSANCE TO MODERN

3 Credits (3 hrs. lec.) A survey of painting, sculpture, architecture and the arts from the fourteenth century to the present. (5007035226) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

ARTS 1304 - ART HISTORY: RENAISSANCE TO MODERN

3 Credits (3 hrs. lec.) A chronological analysis of the historical and cultural contexts of the visual arts from the 14th century to the present. (5007035226) Prerequisites: College level readiness in reading and writing.

The following text was revised:

ARTS 1311 - DESIGN I - 2-D

3 Credits (2 hrs. lec., 4 hrs. lab.) An introductory course with an emphasis on two-dimensional design in art; includes the fundamentals of the elements of art: line, shape, space, texture, value, color, time/motion, and principles of design: balance, emphasis, proportion/scale, rhythm/repetition, and unity/variety/harmony in a composition. (5004015326) Corequisites: Course may be taken with ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117; OR ENGL 0309 or ENGL 0310

The above text should now read as follows (effective Fall 2014):

ARTS 1311 - DESIGN I - 2-D

3 Credits (2 hrs. lec., 4 hrs. lab.) An introduction to the fundamental terminology, concepts, theory, and application of two-dimensional design. (5004015326) Corequisites: Course may be taken with ENGL 0305 or ENGL 0307; Prerequisite: College level readiness in reading and writing.

The following text was revised:

ARTS 1312 - DESIGN II - 3-D

3 Credits (2 hrs. lec., 4 hrs. lab.) The construction of three-dimensional forms using a variety of compositional approaches and materials. (5004015326) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

ARTS 1312 - DESIGN II - 3-D

3 Credits (2 hrs. lec., 4 hrs. lab.) An introduction to the fundamental terminology, concepts, theory, and application of three-dimensional design. (5004015326) Prerequisites: College level readiness in reading and writing.

The following text was revised:**ARTS 1316 - DRAWING I**

3 Credits (2 hrs. lec., 4 hrs. lab.) An introductory course in freehand drawing. Involves the study of space and form through the use of perspective, line and value. (5007055226) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite Corequisites: Course may be taken with ENGL 0305 AND ENGL 0307

The above text should now read as follows (effective Fall 2014):**ARTS 1316 - DRAWING I**

3 Credits (2 hrs. lec., 4 hrs. lab.) A foundation studio course exploring drawing with emphasis on descriptive, expressive and conceptual approaches. Students will learn to see and interpret a variety of subjects while using diverse materials and techniques. Course work will facilitate a dialogue in which students will engage in critical analysis and begin to develop their understanding of drawing as a discipline. (5007055226) Prerequisites: College level readiness in reading and writing. Corequisites: Course may be taken with ENGL 0305 AND ENGL 0307

The following text was revised:**ARTS 1317 - DRAWING II**

3 Credits (2 hrs. lec., 4 hrs. lab.) Expansion of Drawing I stressing the conceptual, expressive and compositional aspects of drawing in various media. (5007055226) Prerequisites: ARTS 1316; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):**ARTS 1317 - DRAWING II**

3 Credits (2 hrs. lec., 4 hrs. lab.) A studio course exploring drawing with continued emphasis on descriptive, expressive and conceptual approaches. Students will further develop the ability to see and interpret a variety of subjects while using diverse materials and techniques. Course work will facilitate a dialogue in which students will employ critical analysis to broaden their understanding of drawing as a discipline. (5007055226) Prerequisites: ARTS 1316; ENGL 0305 or ENGL 0307 or ENGL 0356 OR higher level course (ENGL 1301) OR placement by testing.

Page 221

The approval code for ARTS 2346 should read 5007115126 (effective Fall 2014)

Page 224**The following text was revised:****BCIS 1305 - BUSINESS COMPUTER APPLICATIONS**

3 Credits (2 hrs. lec., 3 hrs. lab.) Computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. (1102025404) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):**BCIS 1305 - BUSINESS COMPUTER APPLICATIONS**

3 Credits (2 hrs. lec., 3 hrs. lab.) Students will study computer terminology, hardware, and software related to the business environment. The focus of this 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. Prerequisites: None

The following text for AVTS 1371 - Introduction to Live Entertainment Technology was revised:

Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisites: None

Page 225

The approval code for BIOL 1414 should read 2612015103 (effective Fall 2014)

Page 227

The approval code for BIOL 2420 should read 2605035103 (effective Fall 2014)

Page 228**The following text was revised:****AVTS 1371 - INTRODUCTION TO LIVE ENTERTAINMENT TECHNOLOGY**

3 Credits (3 hrs. lec., 1 hr. lab.) An introduction to the live entertainment technology industry, including working methods, processes, equipment, and facilities for theatre, opera, dance, concert productions, theme parks, themed-retail,

cruise ship venues, house of worship and corporate special events. Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

AVTS 1371 - INTRODUCTION TO LIVE ENTERTAINMENT TECHNOLOGY

3 Credits (3 hrs. lec., 1 hr. lab.) An introduction to the live entertainment technology industry, including working methods, processes, equipment, and facilities for theatre, opera, dance, concert productions, theme parks, themed-retail, cruise ship venues, house of worship and corporate special events. Prerequisites: None

The following text was revised:

BUSI 1301 - BUSINESS PRINCIPLES

3 Credits (3 hrs. lec.) Introduction to the role of business in modern society. Includes basic history of business, basic economic systems, types of ownership, management, marketing, finance, manufacturing, law and other topics of business operations. Subject matter includes an analysis of the specialized fields within the business organization, career planning as related to the fields, starting your own business, current trends in profit and nonprofit business activities and development of a business vocabulary. (5201015104) Prerequisites: None

The above text should now read as follows (effective Fall 2014):

BUSI 1301 - BUSINESS PRINCIPLES

3 Credits (3 hrs. lec.) This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life. (5201015104) Prerequisites: None

Page 229

The following text was revised:

BUSI 2301 - BUSINESS LAW

3 Credits (3 hrs. lec.) Principles of law which form the legal framework for business activity. Includes applicable statutes, torts, contracts, personal and real property, wills and trusts and consumer law. (2201015124) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

BUSI 2301 - BUSINESS LAW

3 Credits (3 hrs. lec.) 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 law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. (2201015124) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

Page 231

The approval code for CHEM 2389 should read 4001015303 (effective Fall 2014)

The following text was revised:

CMSW 1341 - BEHAVIOR MODIFICATION WITH COGNITIVE DISORDER

3 Credits (3 hrs. lec.) In-depth study of the theories and principles of behavioral science and the methods of modifying and controlling behavior in clients with cognitive disorders. Prerequisites: ENGL 0304 or ENGL 0364 AND ENGL 0306 or ENGL 0374 OR ENGL 0302 OR higher level course (ENGL 1301) OR placement by testing

The above text should now read as follows (effective Spring 2015):

CMSW 1341 - BEHAVIOR MODIFICATION WITH COGNITIVE DISORDER

3 Credits (3 hrs. lec.) In-depth study of the theories and principles of behavioral science and the methods of modifying and controlling behavior in clients with cognitive disorders. Prerequisites: None

Page 232

The following text was revised:

CMSW 1353 - FAMILY INTERVENTION STRATEGIES

3 Credits (3 hrs. lec.) Study of current family intervention strategies. Prerequisites: ENGL 0304 or ENGL 0364 AND ENGL 0306 or ENGL 0374 OR ENGL 0302 OR higher level course (ENGL 1301) OR placement by testing

The above text should now read as follows (effective Spring 2015):

CMSW 1353 - FAMILY INTERVENTION STRATEGIES

3 Credits (3 hrs. lec.) Study of current family intervention strategies. Prerequisites: None

Page 233

The following text was revised:

COSC 1301 - INTRODUCTION TO COMPUTERS

4 Credits (2 hrs. lec., 3 hrs. lab.) Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Explores integration and application in business and other segments in society. Fundamentals of computer problem-solving and programming may be discussed and applied. Examines applications and software relating to a specific curricular area. (1101015107) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; Course may be taken as a corequisite with ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117; OR ENGL 0309 or ENGL 0310

The above text should now read as follows (effective Fall 2014):

COSC 1301 - INTRODUCTION TO COMPUTERS

4 Credits (2 hrs. lec., 3 hrs. lab.) Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Explores integration and application in business and other segments in society. Fundamentals of computer problem-solving and programming may be discussed and applied. Examines applications and software relating to a specific curricular area. (1101015107) Prerequisites: None

The following text was revised:

COSC 1309 - LOGIC DESIGN

3 Credits (3 hrs. lec., 2 hrs. lab.) A discipline approach to problem solving with structured techniques and representation of algorithms using pseudocodes and graphical tools. Discussion of methods for testing, evaluation, and documentation. COSC 1301 is recommended prior to enrolling. (1102015107) [This course is recommended for four-year transfer students.] Prerequisites: ITSC 1301/COSC 1301; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The above text should now read as follows (effective Fall 2014):

COSC 1309 - LOGIC DESIGN

3 Credits (2 hrs. lec., 3 hrs. lab.) A discipline approach to problem solving with structured techniques and representation of algorithms using pseudocodes and graphical tools. Discussion of methods for testing, evaluation, and documentation. COSC 1301 is recommended prior to enrolling. (1102015107) Prerequisites: ITSC 1301 or COSC 1301

The following text was revised:

COSC 1437 - PROGRAMMING FUNDAMENTALS II

4 Credits (3 hrs. lec., 2 hrs. lab.) Review of control structures and data types with emphasis on structured data types. Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering. This course is part of the computer science field of study. (1102015607) Prerequisites: COSC 1436; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

COSC 1337 - PROGRAMMING FUNDAMENTALS II

3 Credits (2 hrs. lec., 3 hrs. lab.) This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. 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. (This course is included in the Field of Study Curriculum for Computer Science.) Prerequisites: COSC 1436; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

COSC 2425 - COMPUTER ORGANIZATION AND MACHINE LANGUAGE

Credits (3 hrs. lec., 2 hrs. lab.) Basic computer organization; machine cycle, digital representation of data and instructions; assembly language programming, assembler, loader, macros, subroutines, and program linkages. This course is part of the computer science field of study. (1102015407) Prerequisites: COSC 1436; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

COSC 2325 - COMPUTER ORGANIZATION

3 Credits (2 hrs. lec., 3 hrs. lab.) The organization of computer systems is introduced using assembly language. Topics include basics concepts of computer architecture and organization, memory hierarchy, data types, computer arithmetic, control structures, interrupt handling, instruction sets, performance metrics, and the mechanics of testing and debugging computer systems. Embedded systems and device interfacing are introduced. Prerequisites: COSC 1436; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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The following text was revised:

COSC 2436 - PROGRAMMING FUNDAMENTALS III

4 Credits (3 hrs. lec., 2 hrs. lab.) Further applications of programming techniques, introducing the fundamental con-

cepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. This course is part of the computer science field of study. (1102015707) Prerequisites: COSC 1437; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

COSC 2436 - PROGRAMMING FUNDAMENTALS III

4 Credits (3 hrs. lec., 2 hrs. lab.) Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. This course is part of the computer science field of study. (1102015707) Prerequisites: COSC 1337; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

CRJ 1301 - INTRODUCTION TO CRIMINAL JUSTICE

3 Credits (3 hrs. lec.) An overview of the criminal justice system. Topics include the history and philosophy of criminal justice, the definition of crime, and its nature and impact. (4301045124) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

CRJ 1301 - INTRODUCTION TO CRIMINAL JUSTICE

3 Credits (3 hrs. lec.) This course provides a historical and philosophical overview of the American criminal justice system, including the nature, extent, and impact of crime; criminal law; and justice agencies and processes. (4301045124) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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The following text was revised:

CRJ 1306 - COURT SYSTEMS AND PRACTICES

3 Credits (3 hrs. lec.) Examination of the role of the judiciary in the criminal justice system. Topics include the structure of the American court system, prosecution, right to counsel, pretrial release, grand jury process, adjudication process, types and rules of evidence, and sentencing concepts. (2201015424) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite.

The above text should now read as follows (effective Fall 2014):

CRJ 1306 - COURT SYSTEMS AND PRACTICES

3 Credits (3 hrs. lec.) 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. (2201015424) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite.

The following text was revised:

CRJ 1310 - FUNDAMENTALS OF CRIMINAL LAW

3 Credits (3 hrs. lec.) Study of the nature of criminal law. Topics include philosophical and historical development, major definitions and concepts, classification of crime, elements of crimes and penalties, and individual criminal responsibilities. (2201015324) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

CRJ 1310 - FUNDAMENTALS OF CRIMINAL LAW

3 Credits (3 hrs. lec.) 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. (2201015324) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

RIJ 2313 - CORRECTIONAL SYSTEMS AND PRACTICES

3 Credits (3 hrs. lec.) A study of the role of corrections in the criminal justice system. Topics include organization and theory of correctional systems, institutional operations, management, alternatives to institutionalization, treatments and rehabilitation, and current and future issues. (4301045424) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

RIJ 2313 - CORRECTIONAL SYSTEMS AND PRACTICES

3 Credits (3 hrs. lec.) This course is a survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional

issues; and current and future issues. (4301045424) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

CRJ 2328 - POLICE SYSTEMS AND PRACTICES

3 Credits (3 hrs. lec.) Exploration of the profession of police officer. Topics include organization of law enforcement systems, the police role, police discretion, ethics, police-community interaction, and current and future issues. (4301045724) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

CRJ 2328 - POLICE SYSTEMS AND PRACTICES

3 Credits (3 hrs. lec.) This course examines the establishment, role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police-community interaction, police ethics, and use of authority. (4301045724) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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The following text was revised:

DAAC 1304 - PHARMACOLOGY OF ADDICTION

3 Credits (3 hrs. lec.) Emphasizes pharmacological effects of addiction, tolerance, dependence, cross addiction, drug interaction, withdrawal, and recovery. Describes the psychological and physiological effects of substance use and behaviors. Prerequisites: ENGL 0304 or ENGL 0364 AND ENGL 0306 or ENGL 0374 OR ENGL 0302 OR higher level course (ENGL 1301) OR placement by testing

The above text should now read as follows (effective Spring 2015):

DAAC 1304 - PHARMACOLOGY OF ADDICTION

3 Credits (3 hrs. lec.) Emphasizes pharmacological effects of addiction, tolerance, dependence, cross addiction, drug interaction, withdrawal, and recovery. Describes the psychological and physiological effects of substance use and behaviors. Prerequisites: None

The following text was revised:

DAAC 1311 - COUNSELING THEORIES

3 Credits (3 hrs. lec.) An examination of the major theories and current treatment modalities used in the field of counseling. Prerequisites: ENGL 0304 or ENGL 0364 AND ENGL 0306 or ENGL 0374 OR ENGL 0302 OR higher level course (ENGL 1301) OR placement by testing

The above text should now read as follows (effective Spring 2015):

DAAC 1311 - COUNSELING THEORIES

3 Credits (3 hrs. lec.) An examination of the major theories and current treatment modalities used in the field of counseling. Prerequisites: None

The following course was deactivated (effective Spring 2015):

DAAC 1317 - BASIC COUNSELING SKILLS

The following text was revised:

DAAC 1319 - INTRODUCTION TO ALCOHOL AND OTHER DRUG ADDICTIONS

3 Credits (3 hrs. lec.) An overview of causes and consequences of addiction, the major drug classifications, and the counselor's code of ethics. Prerequisites: ENGL 0304 or ENGL 0364 AND ENGL 0306 or ENGL 0374 OR ENGL 0302 OR higher level course (ENGL 1301) OR placement by testing

The above text should now read as follows (effective Spring 2015):

DAAC 1319 - SUBSTANCE-RELATED AND ADDICTIVE DISORDERS

3 Credits (3 hrs. lec.) An overview of causes and consequences of substance-related and addictive disorders, the major drug classifications, and the counselor's code of ethics. Prerequisites: None

The following course was added (effective Spring 2015):

DAAC 1417 - BASIC COUNSELING SKILLS

4 Credits (4 hrs. lec.) An overview of the basic counseling skills. Prerequisites: ENGL 0304 or ENGL 0306 or Higher level course (ENGL 1301), or placement by testing.

In the description for DAAC 2160 - CLINICAL, the following text was revised:

Prerequisites: DAAC 1317,

The above text should now read as follows (effective Spring 2015):

Prerequisites: DAAC 1417,

In the description for DAAC 2260 - CLINICAL, the following text was revised:

Prerequisites: DAAC 1317,

The above text should now read as follows (effective Spring 2015):

Prerequisites: DAAC 1417,

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In the description for DAAC 2360 - CLINICAL, the following text was revised:

Prerequisites: DAAC 1317,

The above text should now read as follows (effective Spring 2015):

Prerequisites: DAAC 1417,

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The following text for DHYG 2153 - DENTAL HYGIENE PRACTICE was revised:

1 Credit (1 hr. lec.)

The above text should now read as follows (effective Spring 2015):

1 Credit (0 hrs. lec., 3 hr. lab.)

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The following course was deactivated (effective Spring 2015):

DMSO 1367 - PRACTICUM II

The following course was added (effective Spring 2015):

DMSO 1267 - PRACTICUM II

2 Credits (16 hrs. ext.) Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Requires LSCS liability insurance. Prerequisites: DMSO 1342, 1366, 2253 and 2405; Corequisites: DMSO 2342 and 2351

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The following text was revised:

DRAM 1310 - THEATRE APPRECIATION

3 Credits (3 hrs. lec.) This course surveys dramatic arts including plays, basic theories, history, stages, make-up, costuming, acting and directing. It provides an introduction to the theatre plant and theatre activities augmented by textbook study of stage terminology and an introduction to the organization of production procedure. (5005015126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

DRAM 1310 - THEATRE APPRECIATION

3 Credits (3 hrs. lec.) Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required. (5005015126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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The following text was revised:

DRAM 1330 - STAGECRAFT I

3 Credits (2 hrs. lec., 4 hrs. lab.) This lecture-laboratory course introduces students to the aesthetics and practice of stagecraft design and provides the student with a basic understanding of the design requirements for the technical aspects of a play. This course will include hands-on design experience. (5005025126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

DRAM 1330 - STAGECRAFT I

3 Credits (2 hrs. lec., 4 hrs. lab.) Study and application of the methods and components of theatrical production which may include one or more of the following: theatre facilities, scenery construction, and painting, properties, lighting, costume, makeup, sound, and theatrical management. (5005025126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

DRAM 1351 - ACTING I

3 Credits (3 hrs. lec.) This course provides an introduction to the art of acting, emphasizing the techniques of speech and movement on the stage, pantomime, character analysis, through participation in lab scenes, improvisations and departmental productions. (5005065126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):

DRAM 1351 - ACTING I

3 Credits (3 hrs. lec.) 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 theatre terminology. This exploration will emphasize the development of the actor's instrument: voice, body and imagination. (5005025326) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:**DRAM 1352 - ACTING II**

3 Credits (3 hrs. lec.) An introduction to the art of acting, with an emphasis on developing vocal and physical skills through work on monologues and scenes as exhibited in various historical periods. (5005065126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):**DRAM 1352 - ACTING II**

3 Credits (3 hrs. lec.) 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 of the actor's instrument: voice, body and imagination. (5005025326) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:**DRAM 2331 - STAGECRAFT II**

3 Credits (2 hrs. lec., 4 hrs. lab.) This lecture-laboratory course gives the student a knowledge of the technical phases of mounting a production on stage. The elements of study emphasize basic construction, painting and lighting of the stage setting. (5005025126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):**DRAM 2331 - STAGECRAFT II**

3 Credits (2 hrs. lec., 4 hrs. lab.) Continued study and application of the methods and components of theatrical production which may include one of the following: theatre facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. (5005025126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:**DRAM 2361 - THEATRE HISTORY TO 1700**

3 Credits (3 hrs. lec.) A study of the history of theatre to 1700. Includes a study of the physical theatre, acting styles, costumes and sets, representative plays, and theories of drama. (5005055126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):**DRAM 2361 - THEATRE HISTORY TO 1700**

3 Credits (3 hrs. lec.) Study of the history of the theater from primitive times through the Renaissance. (5005055126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:**DRAM 2362 - THEATRE HISTORY FROM 1700**

3 Credits (3 hrs. lec.) A study of the history of the theatre from 1700 to the present. Includes a study of the physical theatre, acting styles, costumes and sets, representative plays, and theories of drama. (5005055126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):**DRAM 2362 - THEATRE HISTORY FROM 1700**

3 Credits (3 hrs. lec.) Study of the history of the theater from the Renaissance through today. (5005055126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

Page 248**The following text was revised:****DRAM 2366 - FILM APPRECIATION**

3 Credits (3 hrs. lec.) Explores the history and development of film with emphasis on the analysis of the visual and aural dramatic aspects of narrative films. The historical growth and sociological effect of film as an art. (5006025126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Fall 2014):**DRAM 2366 - FILM APPRECIATION**

3 Credits (3 hrs. lec.) Survey and analyze cinema including history, film techniques, production procedures, selected motion pictures and cinema's impact on and reflection of society. (5006025126) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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The following course has been deactivated (effective Fall 2014):

EECT 2440 - TELECOMMUNICATIONS CENTRAL OFFICE EQUIPMENT

4 Credits (3 hrs. lec., 2 hrs. lab.) Theory, operation and maintenance of central office telecommunications equipment. Prerequisites: CPMT 1445 or ITSC 1425 1325; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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The prefix for ENGL 0308, 0310, 0361 and 0362 has changed to ESOL. (effective Spring 2015)

The approval code for ENGL 0310 should read 3201085912 (effective Fall 2014)

The following course has been deactivated (effective Spring 2015):

ENGL 0305 - DEVELOPMENTAL READING II

3 Credits (3 hrs. lec., 1 hr. lab.) A developmental reading course continuing the instruction and reinforcement of those skills taught in ENGL 0304. Emphasis is on learning higher level reading skills required for college reading assignments. Short paragraph writing is required to complement some reading activities. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. (3201085212) Prerequisite: ENGL 0304 or placement by testing

The following course has been deactivated (effective Spring 2015):

ENGL 0307 - DEVELOPMENTAL WRITING II

3 Credits (3 hrs. lec., 1 hr. lab.) The second course in the developmental writing course sequence designed for those students with a stronger background in grammar skills who need further help developing paragraphs and short themes. Lab work will be assigned to reinforce class activities. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. (3201085312) Prerequisite: ENGL 0306 or placement by testing

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The prefix for ENGL 0363, 0364, 0365, 0371, 0372, 0373, 0374, 0375 and 0381 has changed to ESOL. (effective Spring 2015)

Page 257

The prefix for ENGL 0382, 0383 and 0384 has changed to ESOL. (effective Spring 2015)

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The following courses were added (effective Fall 2014):

ENGR 2308 - ENGINEERING ECONOMICS

3 Credits (3 hrs. lec.) Methods used for determining the comparative financial desirability of engineering alternatives. Provides the student with the basic tools required to analyze engineering alternatives in terms of their worth and cost, an essential element of engineering practice. The student is introduced to the concept of the time value of money and the methodology of basic engineering economy techniques. The course will address some aspects of sustainability and will provide the student with the background to enable them to pass the Engineering Economy portion of the Fundamentals of Engineering exam. (149999510) Prerequisites: MATH 2413

ENGR 2333 - ELEMENTARY CHEMICAL ENGINEERING

3 Credits (3 hrs. lec.) This course is the foundation for nearly all future chemical engineering courses and analysis. A strong foundation in mathematics, physics, and chemistry is required for application to the solution of problems in industrial chemistry. Students will receive an introduction to chemical engineering calculations, unit equations, process stoichiometry, material and energy balances, and states of matter, and will apply the laws of conservation of mass and energy to reacting and non-reacting, simple and complex chemical systems. Prerequisites: ENGR 1201 and CHEM 1412 and MATH 2414 and PHYS 2425

ENGR 2334 - CHEMICAL ENGINEERING THERMODYNAMICS I

3 Credits (3 hrs. lec.) Fundamental concepts of energy and thermodynamics (e.g., temperature, thermodynamic equilibrium, and heat) will be introduced; the course emphasizes techniques in the application of the fundamentals of thermodynamics to various processes as they frequently occur in chemical and biomolecular engineering. Provides the basic skills and tools necessary in designing and analyzing real-life engineering systems. Serves as preparation for other advanced courses in thermodynamics, energy conversion, heat transfer, etc. (1407015210) Prerequisite: MATH 2415

The following course was added (effective Spring 2015):

ENGR 2406 - INTRODUCTION TO DIGITAL SYSTEMS

4 Credits (3 hrs. lec., 3 hrs. lab) Introduction to theory and design of digital logic, circuits, and systems. Number systems, operations and codes; logic gates; Boolean Algebra and logic simplification; Karnaugh maps; combinational logic; functions of combinational Logic; flip-flops and related devices; counters; shift registers; sequential logic; memory and storage. Basic laboratory experiments supporting theoretical principles presented in ENGR 2306 involving design, construction, and analysis of combinational and sequential digital circuits and systems, including logic gates, adders, multiplexers, encoders, decoders, arithmetic logic units, latches, flip-flops, registers, and counters; preparation of laboratory reports. Prerequisites: MATH 1314

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The following courses were added (effective Spring 2015):

ESOL 0391 - ESOL GRAMMAR I

3 Credits (3 hrs. lec., 1 hr. lab.) This course is designed to help students with very little English proficiency to understand and use basic English grammar correctly in both written and spoken communication. Students develop control of fundamental structures including basic tenses, parts of speech and simple sentences. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. Placement by exam. (3201085712) Prerequisite: placement by testing

ESOL 0392 - ESOL GRAMMAR II

3 Credits (3 hrs. lec., 1 hr. lab.) This course continues to develop the existing knowledge of grammatical structures and helps students to acquire new ones. Emphasis is placed on the complex verb tenses, passive voice, and compound sentences. This course will help students apply grammatical accuracy to their writing and speaking. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. (3201085712) Prerequisite: ESOL 0391 or Placement by testing.

ESOL 0393 - ESOL GRAMMAR III

3 Credits (3 hrs. lec., 1 hr. lab.) This course is designed to help students with very little English proficiency to understand and use basic English grammar correctly in both written and spoken communication. Students develop control of fundamental structures including basic tenses, parts of speech and simple sentences. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. Placement by exam. (3201085912) Prerequisite: ESOL 0392 or Placement by testing.

ESOL 0394 - ESOL GRAMMAR I

3 Credits (3 hrs. lec., 1 hr. lab.) Students continue the study of grammatical structures required for quality oral and written academic communication. They develop skills in understanding form, meaning and usage of complex grammatical structures including gerunds and infinitives, conditionals and complex sentences with noun, adjective and adverb clauses. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. (3201085912) Prerequisite: ESOL 0393 or Placement by testing

ESOL 0395 - ESOL GRAMMAR V

3 Credits (3 hrs. lec., 1 hr. lab.) Focuses on Standard English grammar usage for academic purposes. Open only to non-native speakers. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. (3201085712) Prerequisite: ESOL 0394 or Placement by testing.

In the description for FIRS 1301, the following text was revised:

Prerequisites: Admission to the fire science technology program; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: Admission to the fire science technology program

In the description for FIRS 1313, the following text was revised:

Prerequisite: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: None

In the description for FIRS 1319, the following text was revised:

Prerequisite: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: None

In the description for FIRS 1329, the following text was revised:

Prerequisite: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: None

In the description for FIRS 1407, the following text was revised:

Prerequisite: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: None

In the description for FIRS 1423, the following text was revised:

Prerequisite: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: None

In the description for FIRS 1433, the following text was revised:

Prerequisite: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: None

Page 261**In the description for FIRT 1171, the following text was revised:**

Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite;

The above text should now read as follows (effective Spring 2015):

Prerequisite: None

Page 262**In the description for FIRT 2171, the following text was revised:**

Prerequisites: FIRT 1171; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

Prerequisite: FIRT 1171

Page 265**In the description for GAME 1343 - Game and Simulation Programming I, the following text was revised:**

Prerequisite: ITSE 1407 or COSC 1420; Corequisite: ITSE 2431

The above text should now read as follows (effective Spring 2015):

Prerequisite: ITSE 1307 or COSC 1420; Corequisite: ITSE 2331

In the description for GAME 2341 - Game Scripting, the following text was revised:

Prerequisites: MATH 1314; ITSE 1407 or COSC 1420

The above text should now read as follows (effective Spring 2015):

Prerequisites: MATH 1314; ITSE 1307 or COSC 1420

Page 266**The following text was revised:****GEOL 1403 - PHYSICAL GEOLOGY**

4 Credits (3 hrs. lec., 3 hrs. lab.) This course explores the theory of geologic processes including a study of physical forces that shape the earth and all its landforms. Special emphasis is given to the origins of minerals and rocks, volcanoes, earthquakes, structures, plate tectonics and other geologic processes. Lab exercises include mineral identification and differentiation of the major rock types, use of topographic maps and aerial photographs and interpretation of geologic data. Optional field trips help students explore and discover links between classroom discussions and life experiences. Participation in field trips is highly recommended. (4006015403) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The above text should now read as follows (effective Fall 2014):**GEOL 1403 - PHYSICAL GEOLOGY**

4 Credits (3 hrs. lec., 3 hrs. lab.) Physical Geology is a basic science course that focuses on Earth, including its composition, processes of change, history and the tools and methods used to study it. (4006015403) Prerequisites: College level readiness in reading AND writing; MATH 0308

The following text was revised:**GEOL 1404 - HISTORICAL GEOLOGY**

4 Credits (3 hrs. lec., 3 hrs. lab.) A geological history of the earth stressing fossils, stratigraphy and plate tectonics. Emphasis is placed on environments and the succession of geologic events since the origin of the earth. Labs review rocks and maps, with exercises in fossil identification, stratigraphic correlation and cross cutting relationships. Participation in field trips is highly recommended. (4006015403) Prerequisites: GEOL 1403 OR GEOL 1405 OR department approval; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The above text should now read as follows (effective Fall 2014):**GEOL 1404 - HISTORICAL GEOLOGY**

4 Credits (3 hrs. lec., 3 hrs. lab.) A comprehensive survey of the history of life and major events of the physical development of Earth as interpreted from rocks and fossils. Prerequisites: College level readiness in reading AND writing; MATH 0308

The following text was revised:**GEOL 1405 - ENVIRONMENTAL GEOLOGY**

4 Credits (3 hrs. lec., 3 hrs. lab.) An analysis survey of geologic processes, their influence on people and the influence

of human activities on the environment. Topics include natural resources, geologic hazards, waste disposal, surface and groundwater pollution, air pollution, land-use planning, environmental law, and the determination of risk assessments based on remote sensing techniques, field observations and their economic impact. Lab exercises include groundwater flow, environmental pollution, geologic hazards, geologic resources and land use planning. Participation in field trips is highly recommended. (0301035301) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The above text should now read as follows (effective Fall 2014):

GEOL 1405 - ENVIRONMENTAL GEOLOGY

4 Credits (3 hrs. lec., 3 hrs. lab.) A survey of the forces, including humans, that shape our physical environment, and how they affect life on Earth. Introduction to the science and policy of global and regional environmental issues, including pollution, climate change, and sustainability of land, water, and energy resources. (0301035301) Prerequisites: College level readiness in reading AND writing; MATH 0308

The following text was revised:

GEOL 2307 - GEOLOGY OF TEXAS

3 Credits (3 hrs. lec.) The topography, physiography, structure, geologic history and mineral deposits of Texas. Plate tectonics regional correlations and local phenomena are emphasized. Participation in field trips is highly recommended. (4006015503) Prerequisites: GEOL 1404 or department approval; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The above text should now read as follows (effective Fall 2014):

GEOL 2307 - GEOL 2307 - INTRODUCTION TO FIELD GEOLOGY

3 Credits (3 hrs. lec.) Primarily a field-based experience in geology for visiting sites that serve as examples of a variety of geological phenomena. Field trip locations will include sites that display the processes that shape the landscape, that result in the deposition or formation of rock units and mineral resources, and that deform the Earth's crust. (4006015503) Prerequisites: College level readiness in reading AND writing; MATH 0308

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The following course was deactivated (effective Spring 2015):

GERS 1301 - GERONTOLOGY

The following course was added (effective Spring 2015):

GERS 1342 - AGING AND MENTAL HEALTH

3 Credits (3 hrs. lec.) Examination of current issues relating to mental health of older adults. Includes the theoretical and empirical foundations relevant to the psychological study of older adults. Prerequisites: None

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The following text was revised:

HITT 1166 - PRACTICUM - HEALTH INFORMATION TECHNOLOGY/TECHNICIAN

1 Credit (7 hrs. ext.) Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Requires LSCS liability insurance. Prerequisites: HITT 1401; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0306

The above text should now read as follows (effective Fall 2014):

HITT 1260 - CLINICAL - HEALTH INFORMATION/MEDICAL RECORDS TECHNOLOGY/TECHNICIAN

2 Credit (12 hrs. ext.) 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. Prerequisites: ENGL 0305 or ENGL 0307 or ENGL 0365 or Higher level course (ENGL 1301) or placement by testing and HITT 1301; MATH 0306

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The following text was revised:

HITT 1353 - LEGAL AND ETHICAL ASPECTS OF HEALTH INFORMATION

3 Credits (3 hrs. lec.)

The above text should now read as follows (effective Fall 2014):

HITT 1253 - LEGAL AND ETHICAL ASPECTS OF HEALTH INFORMATION

2 Credits (2 hrs. lec.)

The following text was revised:

HITT 1355 - HEALTH CARE STATISTICS

3 Credits (2 hrs. lec., 2 hr. lab.)

The above text should now read as follows (effective Fall 2014):

HITT 1255 - HEALTH CARE STATISTICS

2 Credits (1 hr. lec., 2 hrs. lab.)

The following text was revised:

HITT 1401 - HEALTH DATA CONTENT AND STRUCTURE

4 Credits (3 hrs. lec., 3 hrs. lab.)

The above text should now read as follows (effective Fall 2014):

HITT 1301 - HEALTH DATA CONTENT AND STRUCTURE

3 Credits (2 hrs. lec., 4 hrs. lab.)

The following text was revised:

HITT 1441 - CODING AND CLASSIFICATION SYSTEMS

4 Credits (3 hrs. lec., 3 hrs. lab.)

The above text should now read as follows (effective Fall 2014):

HITT 1341 - CODING AND CLASSIFICATION SYSTEMS

3 Credits (2 hrs. lec., 4 hrs. lab.)

The following text was revised:

HITT 2249 - RHIT COMPETENCY REVIEW

2 Credits (2 hrs. lec.)

The above text should now read as follows (effective Fall 2014):

HITT 2149 - RHIT COMPETENCY REVIEW

1 Credits (1 hr. lec.)

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The following text was revised:

HITT 2339 - HEALTH INFORMATION ORGANIZATION AND SUPERVISION

3 Credits (3 hrs. lec.)

The above text should now read as follows (effective Fall 2014):

HITT 2239 - HEALTH INFORMATION ORGANIZATION AND SUPERVISION

2 Credits (2 hrs. lec.)

The following text was revised:

HITT 2435 - CODING AND REIMBURSEMENT METHODOLOGIES

4 Credits (3 hrs. lec., 3 hrs. lab.)

The above text should now read as follows (effective Fall 2014):

HITT 2335 - CODING AND REIMBURSEMENT METHODOLOGIES

3 Credits (2 hrs. lec., 4 hrs. lab.)

The following text was revised:

HITT 2460 - CLINICAL - MEDICAL RECORDS TECHNOLOGY TECHNICIAN

4 Credits (12 hrs. ext.)

The above text should now read as follows (effective Fall 2014):

HITT 2260 - CLINICAL - MEDICAL RECORDS TECHNOLOGY TECHNICIAN

2 Credits (12 hrs. ext.)

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The following text was revised:

HUMA 1301 - INTRODUCTION TO THE HUMANITIES I: PREHISTORY TO GOTHIC

3 Credits (3 hrs. lec.) A study of the interpretation of human experience through an introduction to music, literature, the visual arts, history and philosophy. Focus is on gaining practical experience in inquiry, recognition and assessment. (2401035112) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

HUMA 1301 - INTRODUCTION TO THE HUMANITIES I: PREHISTORY TO GOTHIC

3 Credits (3 hrs. lec.) This stand-alone course is an interdisciplinary study interpreting human experience through introductions to the visual and performance arts, literature, history, philosophy, and comparative religions. The focus is on acquiring practical experience in inquiry, recognition, and assessment. (2401035112) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

HUMA 1302 - INTRODUCTION TO THE HUMANITIES II: EARLY RENAISSANCE TO THE PRESENT

3 Credits (3 hrs. lec.) An interdisciplinary, multi-perspective assessment of cultural, political, philosophical, and aesthetic factors critical to the formulation of values and the historical development of the individual and society. HUMA 1302 will focus on the time period Early Renaissance to the present. (2401035112) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

HUMA 1302 - INTRODUCTION TO THE HUMANITIES II: EARLY RENAISSANCE TO THE PRESENT

3 Credits (3 hrs. lec.) This stand-alone course is an interdisciplinary study interpreting human experience through introductions to the visual and performance arts, literature, history, philosophy, and comparative religions. The focus is on

acquiring practical experience in inquiry, recognition, and assessment. (2401035112) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

HUMA 1305 - INTRODUCTION TO MEXICAN-AMERICAN STUDIES

3 Credits (3 hrs. lec.) Introduction to the field of Mexican-American/Chicano/a studies from its inception to the present. Interdisciplinary survey designed to introduce students to the salient cultural, economic, educational, historical, political, and social aspects of the Mexican-American/Chicano/a experience. (0502035125) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

HUMA 1305 - INTRODUCTION TO MEXICAN-AMERICAN STUDIES

3 Credits (3 hrs. lec.) This interdisciplinary survey examines different cultural, artistic, economic, historical, political, and social aspects of the Mexican-American/Chicana/o communities. It also covers issues such as dispossession, immigration, transnationalism, and other topics that have shaped the Mexican-American experience. (0502035125) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

HUMA 1311 - MEXICAN-AMERICAN FINE ARTS APPRECIATION

3 Credits (3 hrs. lec.) An examination of Mexican American/Chicano/a artistic expressions in the visual and performing arts. (5007035426) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

HUMA 1311 - MEXICAN-AMERICAN FINE ARTS APPRECIATION

3 Credits (3 hrs. lec.) An examination of Mexican-American/Chicana/o artistic expression in the visual and performing arts (such as music, painting, drama, and dance) and the ways in which they exhibit values of Mexican-American/Chicana/o experience. Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

HUMA 2319 - AMERICAN MINORITY STUDIES

3 Credits (3 hrs. lec.) Historical, economic, social and cultural development of minority groups in America. (4511015325) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

HUMA 2319 - AMERICAN MINORITY STUDIES

3 Credits (3 hrs. lec.) This interdisciplinary survey examines the diverse cultural, artistic, economic, historical, political, and social aspects of US- American minority communities. Topics may include race/ethnicity, gender, socioeconomic class, sexual orientation, national origin, age, disability, and religion. (2401015112) Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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In the description for IMED 2349 - Internet Server Management, the following text was revised:

Prerequisites: IMED 1316 and ITSE 1402;

The above text should now read as follows (effective Spring 2015):

Prerequisites: IMED 1316 and ITSE 1302;

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The following text was revised:

INEW 2438 - ADVANCED JAVA PROGRAMMING

4 Credits (3 hrs. lec., 2 hrs. lab.) A continuation of Java programming techniques such as servlets and advanced graphical functions. Prerequisites: ITSE 2417; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

INEW 2338 - ADVANCED JAVA PROGRAMMING

3 Credits (2 hrs. lec., 3 hrs. lab.) A continuation of Java programming techniques such as servlets and advanced graphical functions. Prerequisites: ITSE 2317; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

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In the description for ITNW 1325 - Fundamentals of Networking Technologies, the following text

was deleted (effective Fall 2014):

ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised for ITNW 1392 - Cloud Infrastructure & Services:

Prerequisite: ITNA 1325 or instructor approval.

The above text should now read as follows (effective Spring 2015):

Prerequisite: ITNW 1325 or instructor approval.

The following text was revised:

ITSC 1301 - INTRODUCTION TO COMPUTERS

3 Credits (2 hrs. lec., 3 hrs. lab.) Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Explores integration and application in business and other segments in society. Fundamentals of computer problem-solving and programming may be discussed and applied. Examines applications and software relating to a specific curricular area. This course is equivalent to COSC 1301. Prerequisites/Corequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

ITSC 1301 - INTRODUCTION TO COMPUTERS

3 Credits (2 hrs. lec., 3 hrs. lab.) Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Explores integration and application in business and other segments in society. Fundamentals of computer problem-solving and programming may be discussed and applied. Examines applications and software relating to a specific curricular area. This course is equivalent to COSC 1301. Prerequisites: None

The following text was revised:

ITSC 1305 - INTRODUCTION TO PC OPERATING SYSTEMS

3 Credits (2 hrs. lec., 3 hrs. lab.) A study of personal computer operating systems. Topics include installation and configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Prerequisites: ITSC or COSC 1301; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

ITSC 1305 - INTRODUCTION TO PC OPERATING SYSTEMS

3 Credits (2 hrs. lec., 3 hrs. lab.) A study of personal computer operating systems. Topics include installation and configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Prerequisites: ITSC 1301 or COSC 1301 and higher level course (ENGL 1301) or placement by testing

The following course was added (effective Spring 2015):

ITSE 1311 - BEGINNING WEB PROGRAMMING

3 Credits (2 hrs. lec., 3 hrs. lab.) Skills development in web programming including mark-up and scripting languages. Prerequisites: None

The following text was revised:

ITSC 1315 - PROJECT MANAGEMENT SOFTWARE

3 Credits (2 hr. lec., 3 hrs. lab.) Use of project management software for developing a project plan including timelines, milestones, scheduling, life cycle phases, management frameworks, skills, processes, and tools. Prerequisites: ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

ITSC 1315 - PROJECT MANAGEMENT SOFTWARE

3 Credits (2 hr. lec., 3 hrs. lab.) Use of project management software for developing a project plan including timelines, milestones, scheduling, life cycle phases, management frameworks, skills, processes, and tools. Prerequisites: None

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The following text was revised:

ITSC 2331 - INTEGRATED SOFTWARE APPLICATIONS III

3 Credits (1 hr. lec., 4 hrs. lab.) Advanced use of business productivity software including complex assignments that require advanced formatting and functionality. ITSW 1301 and ITSW 1404 are recommended prior to enrolling in the course. Prerequisites: ITSC 1301 or COSC 1301; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

ITSC 2331 - INTEGRATED SOFTWARE APPLICATIONS III

3 Credits (1 hr. lec., 4 hrs. lab.) Advanced use of business productivity software including complex assignments that require advanced formatting and functionality. ITSW 1301 and ITSW 1304 are recommended prior to enrolling in the course. Prerequisites: ITSC 1301

In the description for ITSC 2335 - Application Software Problem Solving, the following text was revised:

Prerequisites: IMED 1316; ITSE 1407 or 1432 or 1445 or 2417; ITSC 1407

The above text should now read as follows (effective Spring 2015):

Prerequisites: IMED 1316; ITSE 1307 or 1432 or 1445 or 2417; ITSC 1307

The following text was revised:**ITSE 1402 - COMPUTER PROGRAMMING**

4 Credits (3 hrs. lec., 2 hrs. lab.) Introduction to computer programming including design, development, testing, implementation, and documentation. Prerequisites: ITSC/COSC 1301 or departmental approval; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The above text should now read as follows (effective Spring 2015):**ITSE 1302 - COMPUTER PROGRAMMING**

3 Credits (2 hrs. lec., 3 hrs. lab.) Introduction to computer programming including design, development, testing, implementation, and documentation. Prerequisites: ITSC 1301 or COSC 1301 or departmental approval.

The following course was added (effective Fall 2014):**ITSC 2372 - TECHNICAL SKILLS PORTFOLIO**

3 Credits (2 hrs. lec., 3 hrs. lab.) This course is designed to prepare students to enter the IT workforce. It will incorporate career related activities designed to support the student as they complete their degree. This course includes both a lecture and a lab component. Prerequisites: At least 15 credit hours of IT courses (ITSC, ITCC, ITMT, ITSE)

Page 287**The following course was added (effective Fall 2014):****ITSE 1311 - BEGINNING WEB PROGRAMMING**

3 Credits (2 hrs. lec., 3 hrs. lab.) Skills development in web programming including mark-up and scripting languages. Prerequisites: None

In the description for ITSE 1356 - Extensible Markup Language (XML), the following text was revised:

Prerequisite: ITSE 1402

The above text should now read as follows (effective Spring 2015):

Prerequisite: ITSE 1302

In the description for ITSE 1307 - Introduction to C++ Programming), the following text was revised:**ITSE 1407 - INTRODUCTION TO C++ PROGRAMMING**

4 Credits (3 hrs. lec., 2 hrs. lab.) Introduction to computer programming using C++. Emphasis on the fundamentals of object-oriented design with development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. Prerequisites: ITSE 1402; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The above text should now read as follows (effective Spring 2015):**ITSE 1307 - INTRODUCTION TO C++ PROGRAMMING**

3 Credits (2 hrs. lec., 3 hrs. lab.) Introduction to computer programming using C++. Emphasis on the fundamentals of object-oriented design with development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. Prerequisites: ITSE 1302; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The following text was revised:**ITSE 1418 - INTRODUCTION TO COBOL PROGRAMMING**

4 Credits (3 hrs. lec., 2 hrs. lab.) Introduction to computer programming using COBOL. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. ITSC 1301 is recommended prior to enrolling. Prerequisites: ITSE 1402 ITSE 1302; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The above text should now read as follows (effective Spring 2015):**ITSE 1318 - INTRODUCTION TO COBOL PROGRAMMING**

3 Credits (2 hrs. lec., 3 hrs. lab.) Introduction to computer programming using COBOL. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. ITSC 1301 is recommended prior to enrolling. Prerequisites: ITSE 1302; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The following text was revised:**ITSE 1430 - INTRODUCTION TO C# PROGRAMMING**

4 Credits (3 hrs. lec., 2 hrs. lab.) A study of C# syntax including data types, control structures, functions, syntax, and semantics of the language, classes, class relationships, and exception handling. Prerequisites: ITSC 1301, ITSE 1402; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):**ITSE 1330 - INTRODUCTION TO C# PROGRAMMING**

3 Credits (2 hrs. lec., 3 hrs. lab.) A study of C# syntax including data types, control structures, functions, syntax, and semantics of the language, classes, class relationships, and exception handling. Prerequisites: ITSC 1301, ITSE 1302; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The following text was revised:

ITSE 1432 - INTRODUCTION TO VISUAL BASIC.NET PROGRAMMING

4 Credits (3 hrs. lec., 2 hrs. lab.) A study of Visual Basic.NET (VB.NET) syntax including: data types, control structures, functions, syntax, and semantics of the language, classes, class relationships, and exception handling. Prerequisites: ITSE 1402 or COSC 1309; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The above text should now read as follows (effective Spring 2015):

ITSE 1332 - INTRODUCTION TO VISUAL BASIC.NET PROGRAMMING

3 Credits (2 hrs. lec., 3 hrs. lab.) A study of Visual Basic.NET (VB.NET) syntax including: data types, control structures, functions, syntax, and semantics of the language, classes, class relationships, and exception handling. Prerequisites: ITSE 1302 or COSC 1309; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The above text should now read as follows (effective Spring 2015):

Prerequisites: ITSE 1302 or COSC 1309;

In the description for ITSE 1445 - Introduction to Oracle SQL, the following text was revised:

Prerequisites: ITSE 1402;

The above text should now read as follows (effective Spring 2015):

Prerequisites: ITSE 1302;

The following text was revised:

ITSE 1450 - SYSTEMS ANALYSIS AND DESIGN

4 Credits (3 hrs. lec., 2 hrs. lab.) Comprehensive introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. Prerequisites: ITSE 1402 and one programming language;

The above text should now read as follows (effective Spring 2015):

ITSE 1350 - SYSTEMS ANALYSIS AND DESIGN

3 Credits (2 hrs. lec., 3 hrs. lab.) Comprehensive introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. Prerequisites: ITSE 1402 ITSE 1302 and one programming language;

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In the description for ITSE 1492 - Special Topics in Computer Programming: Advanced C#, the following text was revised:

ITSE 1430

The above text should now read as follows (effective Spring 2015):

ITSE 1330

The following text was revised:

ITSE 2417 - JAVA PROGRAMMING

4 Credits (3 hrs. lec., 2 hrs. lab.) Introduction to object-oriented Java programming including the fundamental syntax and semantics of Java for applications and web applets. Prerequisites: ITSE 1402; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The above text should now read as follows (effective Spring 2015):

ITSE 2317 - JAVA PROGRAMMING

3 Credits (3 hrs. lec., 3 hrs. lab.) Introduction to object-oriented Java programming including the fundamental syntax and semantics of Java for applications and web applets. Prerequisites: ITSE 1302; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The following text was revised:

ITSE 2431- ADVANCED C++ PROGRAMMING

4 Credits (3 hrs. lec., 2 hrs. lab.) Further application of C++ programming techniques including file access, abstract data structures, class inheritance, and other advanced techniques. Designed to strengthen the student's knowledge of computer programming. The student will develop correct, well-documented programs containing complex data structures; incorporate complex input/output file handling techniques; create classes and objects in programs; and incorporate advanced C++ techniques using a current personal computer C++ compiler. Prerequisites: ITSE 1407; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The above text should now read as follows (effective Spring 2015):

ITSE 2331- ADVANCED C++ PROGRAMMING

3 Credits (2 hrs. lec., 3 hrs. lab.) Further application of C++ programming techniques including file access, abstract data structures, class inheritance, and other advanced techniques. Designed to strengthen the student's knowledge of computer programming. The student will develop correct, well-documented programs containing complex data structures; incorporate complex input/output file handling techniques; create classes and objects in programs; and incorporate advanced C++ techniques using a current personal computer C++ compiler. Prerequisites: ITSE 1307; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The following text was revised:

ITSE 2449 - ADVANCED VISUAL BASIC PROGRAMMING

4 Credits (3 hrs. lec., 2 hrs. lab.) Advanced Visual Basic programming including file access methods, data structures, modular programming, program testing and documentation. Prerequisites: ITSE 1432; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

The above text should now read as follows (effective Spring 2015):

ITSE 2349 - ADVANCED VISUAL BASIC PROGRAMMING

3 Credits (2 hrs. lec., 3 hrs. lab.) Advanced Visual Basic programming including file access methods, data structures, modular programming, program testing and documentation. Prerequisites: ITSE 1332; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0310

In the description for ITSE 2433 - Implementing a Database on Microsoft SQL Server, the following text was revised:

Prerequisites: ITSW 1407 and ITSE 1402

The above text should now read as follows (effective Spring 2015):

Prerequisites: ITSW 1307 and ITSE 1302

The following text was revised:

ITSE 2453 - ADVANCED C# PROGRAMMING

4 Credits (3 hrs. lec., 2 hrs. lab.) Continuation of C# programming using advanced features of the .NET Framework Class Library. Prerequisite: ITSE 1430

The above text should now read as follows (effective Spring 2015):

ITSE 2353 - ADVANCED C# PROGRAMMING

3 Credits (2 hrs. lec., 3 hrs. lab.) Continuation of C# programming using advanced features of the .NET Framework Class Library. Prerequisite: ITSE 1330

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The following text was revised:

ITSE 2459 - ADVANCED COMPUTER PROGRAMMING

4 Credits (3 hrs. lec., 2 hrs. lab.) Further applications of programming techniques. Topics include file access methods, data structures and modular programming, program testing and documentation. Prerequisites: ITSE 1402 or COSC 1309; one lower-level programming course; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The above text should now read as follows (effective Spring 2015):

ITSE 2359 - ADVANCED COMPUTER PROGRAMMING

3 Credits (2 hrs. lec., 3 hrs. lab.) Further applications of programming techniques. Topics include file access methods, data structures and modular programming, program testing and documentation. Prerequisites: ITSE 1302 or COSC 1309; one lower-level programming course; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite; MATH 0308

The following text was revised:

ITSW 1404 - INTRODUCTION TO SPREADSHEETS

4 Credits (3 hrs. lec., 2 hrs. lab.) Instruction in the concepts, procedures, and application of electronic spreadsheets. Prerequisites: ITSC or COSC 1301; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

ITSW 1304 - INTRODUCTION TO SPREADSHEETS

3 Credits (2 hrs. lec., 3 hrs. lab.) Instruction in the concepts, procedures, and application of electronic spreadsheets. Prerequisites: ITSC 1301 or COSC 1301.

The following text was revised:

ITSW 1407 - INTRODUCTION TO DATABASE

4 Credits (3 hrs. lec., 2 hrs. lab.) Introduction to database theory and the practical applications of a database. Prerequisites: ITSC or COSC 1301; ENGL 0305 or ENGL 0365 or ENGL 0115 AND ENGL 0307 or ENGL 0375 or ENGL 0117 OR higher level course (ENGL 1301) OR placement by testing. ENGL 0309 or ENGL 0310 also meets prerequisite

The above text should now read as follows (effective Spring 2015):

ITSW 1307 - INTRODUCTION TO DATABASE

3 Credits (2 hrs. lec., 3 hrs. lab.) Introduction to database theory and the practical applications of a database.
Prerequisites: ITSC or COSC 1301.

In the description for ITSW 2434 - Advanced Spreadsheets, the following text was revised:

Prerequisites: ITSW 1404;

The above text should now read as follows (effective Spring 2015):

Prerequisites: ITSW 1304;

In the description for ITSW 2437 - Advanced Databases, the following text was revised:

Prerequisites: ITSW 1407 and ITSE 1402;

The above text should now read as follows (effective Spring 2015):

Prerequisites: ITSW 1307 and ITSE 1302;

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The approval code for JAPN 2312 should read 1603025213 (effective Fall 2014)

Page 291-295

All courses will the prefix KINE should now be prefixed with PHED (effective Spring 2015).

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The approval code for KINE 2141 should read 3601145123 (effective Fall 2014)

The approval code for KINE 2173 should read 3601145123 (effective Fall 2014)

Page 299

The approval code for MATH 0312 should read 3201045119 (effective Fall 2014)

The approval code for MATH 0313 should read 3201045119 (effective Fall 2014)

The approval code for MATH 0314 should read 3201045119 (effective Fall 2014)

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The following text was revised:

MATH 1324 - FINITE MATHEMATICS

3 Credits (3 hrs. lec.) Matrices, systems of equations, linear programming, the simplex method, probability, and mathematics of finance. Primarily for business majors and liberal arts students. (2703015219) Prerequisites: Math 0310 OR placement by testing; ENGL 0305 or ENGL 0365 OR higher level course (ENGL 1301), OR placement by testing; Corequisite: ENGL 0309

The above text should now read as follows (effective Fall 2014):

MATH 1324 - MATHEMATICS FOR BUSINESS & SOCIAL SCIENCE

3 Credits (3 hrs. lec.) Applications 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. (2703015219) Prerequisites: Math 0310 OR placement by testing; ENGL 0305 or ENGL 0365 OR higher level course (ENGL 1301), OR placement by testing; Corequisite: ENGL 0309

The following text was revised:

MATH 1325 - ELEMENTS OF CALCULUS WITH APPLICATIONS

3 Credits (3 hrs. lec.) A one-semester calculus course for non-science majors. Topics include limits, continuity, rates of change, differentiation and integration techniques and applications, calculus of the logarithmic and exponential functions and partial derivatives. (2703015319) Prerequisites: MATH 1314 or MATH 1324 or placement by testing; ENGL 0305 or ENGL 0365 OR higher level course (ENGL 1301), OR placement by testing

The above text should now read as follows (effective Fall 2014):

MATH 1325 - CALCULUS FOR BUSINESS & SOCIAL SCIENCES

3 Credits (3 hrs. lec.) This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413, Calculus I. (2703015319) Prerequisites: MATH 1314 or MATH 1324 or placement by testing; College level readiness in reading

The approval code for MATH 2318 should read 2701016319 (effective Fall 2014)

The approval code for MATH 2320 should read 2701016419 (effective Fall 2014)

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The approval code for MATH 2414 should read 2701016019 (effective Fall 2014)

The approval code for MATH 2415 should read 2701016119 (effective Fall 2014)

Page 306

The following text was added (Spring 2015):

MSSG 1105 - HYDROTHERAPY/THERAPEUTIC MODALITIES

1 Credit (2 hrs. lab.) The use of accepted hydrotherapy and holistic healthcare modalities of external application of temperature for its reflexive effect. Meets the minimum 20-contact-hour requirement for licensure. Students must complete an application process including an online application. Prerequisites: None

MSSG 1109 - HEALTH & HYGIENE

1 Credit (1 hr. lec., 1 hr. lab.) The study of safety and sanitation practices including universal precautions. The importance of proper body mechanics, maintaining a healthy lifestyle, maintaining the massage environment, and the advantage of therapeutic relationships is also included. Meets the minimum 20-contact-hour requirement for licensure. Students must complete an application process including an online application. Prerequisites: None

MSSG 1207 - BUSINESS PRACTICES & PROFESSIONAL ETHICS

2 Credits (2 hrs. lec., 1 hr. lab.) The study of physical and financial office practices and marketing. Includes ethical practices for massage therapists as established by law or regulatory agency. Meets the minimum 45-contact-hour requirement for licensure. Students must complete an application process including an online application. Prerequisites: None

MSSG 1411 - MASSAGE THERAPY FUNDAMENTALS I

4 Credits (2 hrs. lec., 6 hrs. lab.) Introduction to the theory and the application of skills necessary to perform basic massage skills and chair massage. This meets the minimum 125-contact-hour requirement for licensure. Students must complete an application process including an online application. Prerequisites: None

MSSG 1413 - ANATOMY & PHYSIOLOGY FOR MASSAGE

4 Credits (3 hrs. lec., 2 hrs. lab.) In-depth coverage of the structure and function of the human body. Includes cell structure and function, tissues, body organization, and the integumentary, skeletal, muscular, nervous, and endocrine systems. Emphasizes homeostasis/wellness care. Meets the minimum 75-contact-hour requirement for Anatomy and Physiology for licensure. Students must complete an application process including an online application. Prerequisites: None

MSSG 2286 - INTERNSHIP - MASSAGE THERAPY

2 Credits (8 hrs. ext.) A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer. Students must complete an application process including an online application. Prerequisites: None

MSSG 2311 - MASSAGE THERAPY FUNDAMENTALS II

3 Credits (2 hrs. lec., 4 hrs. lab.) A continuation of Massage Therapy Fundamentals I. Emphasizes specialized techniques and assessment of client needs to identify a specific plan of care. Completes the requirements for Massage Techniques for licensure. Students must complete an application process including an online application. Prerequisites: None

MSSG 2313 - KINESIOLOGY FOR MASSAGE

3 Credits (3 hrs. lec., 1 hrs. lab.) Applied study of human kinesiology. Muscle movements and dysfunctions will be discussed and palpated. Includes theory and practice of functional muscle testing. Meets the minimum 50-contact-hour requirement for licensure. Students must complete an application process including an online application. Prerequisites: None

MSSG 2314 - PATHOLOGY FOR MASSAGE

3 Credits (3 hrs. lec.) General discussion of pathologies as they relate to massage therapy. Includes universal precautions and their management in professional practice. Also covers etiology, signs, symptoms, and the physiological and psychological reactions to disease and injury. Meets the minimum 40-contact-hour requirement for licensure. Students must complete an application process including an online application. Prerequisites: None

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The approval code for MUSI 1263 should read 5009036506 (effective Fall 2014)

The approval code for MUSI 1264 should read 5009036506 (effective Fall 2014)

Page 313

In the description for PHED 1164 - Introduction to Physical Fitness & Sport, the following text was revised:

1 Credits (2 hrs. lec.)

The above text should now read as follows (effective Fall 2014):

1 Credits (1 hrs. lec., 2 hrs. lab.)

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The approval code for PORT 1411 should read 1609045113 (effective Fall 2014)

Page 320

The approval code for PSYC 2308 should read 4227035125 (effective Fall 2014)

The approval code for PSYC 2314 should read 4227035125 (effective Fall 2014)

Page 325

The following text was revised:

RNSG 1119 - INTEGRATED NURSING SKILLS I

1 Credit (3 hrs. lab.) Study of the concepts and principles necessary to perform basic nursing skills for care of diverse patients across the life span; demonstrate competence in the performance of nursing procedures. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to an integrated approach. Prerequisites: RNSG 1105, PSYC 2301, BIOL 2401, ENGL 1301 and admission to the ADN program; Corequisites: RNSG 1301, 1361 and 1523, and BIOL 2402

The above text should now read as follows (effective Spring 2015):

RNSG 1219 - INTEGRATED NURSING SKILLS I

2 Credits (1 hr. lec., 3 hrs. lab.) Study of the concepts and principles necessary to perform basic nursing skills for care of diverse patients across the life span; demonstrate competence in the performance of nursing procedures. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to an integrated approach. Prerequisites: None Corequisites: RNSG 1523

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In the description for SCWK 2186 - INTERNSHIP - SOCIAL WORK, the following text was revised:

Prerequisites: DAAC 1317,

In the description for SRGT 1260 - Clinical I - Surgical/Operating Room Tech, the following text was revised:

2 Credits (6 hrs. ext.)

The above text should now read as follows (effective Spring 2015):

Prerequisites: DAAC 1417,

In the description for SCWK 2286 - INTERNSHIP - SOCIAL WORK, the following text was revised:

Prerequisites: DAAC 1317,

The above text should now read as follows (effective Spring 2015):

Prerequisites: DAAC 1417,

In the description for SCWK 2386 - INTERNSHIP - SOCIAL WORK, the following text was revised:

Prerequisites: DAAC 1317,

The above text should now read as follows (effective Spring 2015):

Prerequisites: DAAC 1417,

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The approval code for SPCH 1144, 1145, 2144, 2145 should read 2313046012 (effective Fall 2014)

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The approval code for SPCH 2335 should read 2313045912 (effective Fall 2014)

In the description for SRGT 1260 - Clinical I - Surgical/Operating Room Tech, the following text was revised:

2 Credits (6 hrs. ext.)

The above text should now read as follows (effective Spring 2015):

2 Credits (8 hrs. ext.)

In the description for SRGT 1409 - Fundamentals of Perioperative Concepts and Techniques, the following text was revised:

4 Credits (3 hrs. lec., 4 hrs. lab.)

The above text should now read as follows (effective Spring 2015):

4 Credits (2 hrs. lec., 6 hrs. lab.)

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In the description for SRGT 1541- Surgical Procedures I, the following text was revised:

5 Credits (4 hrs. lec., 2 hrs. lab.)

The above text should now read as follows (effective Spring 2015):

5 Credits (5 hrs. lec., 1 hr. lab.)

In the description for SRGT 1542 - Surgical Procedures II, the following text was revised:

5 Credits (4 hrs. lec., 2 hrs. lab.)

The above text should now read as follows (effective Spring 2015):

5 Credits (5 hrs. lec., 1 hr. lab.)