Land Community College

CURRICULUM CHANGES

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SECTION I

Corrections/Updates for the 2014-16 Catalog

Page Number	Correction/Update
Page 73	Career-Technical Degree Requirements

SECTION II

Course and Curriculum Changes to be Included in the 2014-16 Catalog

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Associate in Science in Agriculture

- Changed courses in paradigm and program outcomes (March 2013, effective August 1, 2013)

Required General Education Courses (12 credits)		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3

Recommended General Education Courses (30-35 credits)		Units
BIO111	PRINCIPLES OF BIOLOGY I	4
CHE101	GENERAL CHEMISTRY I	4
	or	
PHY101	GENERAL PHYSICS I	4
Humanities A Selection		3 - 4
Humanities B Selection		3
Humanities C Selection		3 - 4
Mathematics Selection		3 - 5
Mathematics Selection		4 - 5
Social Science Selection		3
Social Science Selection		3

Recommended Program Courses (15 credits)	Units
Agriculture Elective	3
Agriculture Elective	3
Agriculture Elective	3
Agriculture Elective	3
Agriculture Elective	3

Required Program Support Courses (4 credits)		Units
CHE102	GENERAL CHEMISTRY II	4
	or	
PHY102	GENERAL PHYSICS II	4

Agriculture Electives (choose 15 credits)		Units
AGR101 *	INTRO TO AGRICULTURAL ECONOMICS	0
AGR102	ANIMAL SCIENCE	0
AGR105	CROP SCIENCE	0

AGR109	MICROCOMPUTER SKILLS FOR AGRICULTURE	0
AGR203	SOIL SCIENCE	0
AGR205	HORTICULTURE SCIENCE	0
AGR208	INTRO. TO AGRICULTURAL MECHANICS	0
AGR210	TURFGRASS MANAGEMENT	0
AGR215	Companion Animal Science	0
ACC103	FINANCIAL ACCOUNTING	0
ACC104	MANAGERIAL ACCOUNTING	0
ECO132	PRINCIPLES OF ECONOMICS II (MACRO)	0
Total Units		61 - 66

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Business Option to Transfer Agriculture

- Withdrew (March 2013, effective August 1, 2013)

Certificate of Completion in Fertilizer

- Added (March 2013, effective August 1, 2013 – pending ICCB approval)

Required Program Courses (28 credits)		Units
ABM103	SOILS	3
ABM104	FERTILIZERS	3
ABM105	CROP PRODUCTION	4
ABM118	FERTILIZER EQUIPMENT	3
ABM201	INTEGRATED PEST MANAGEMENT	3
ABM205	CROP SCOUTING	3
ABM207	PRECISION AGRONOMY	3
AFO208	Applied Skills in Ag Mechanization	3
AGR208	INTRO. TO AGRICULTURAL MECHANICS	3
Total Units		28

First Semester

Course Code	Course Title	Hours
ABM 105	CROP PRODUCTION	4
ABM 118	FERTILIZER EQUIPMENT	3
ABM 201	INTEGRATED PEST MANAGEMENT	3
AFO 208	Applied Skills in Ag Mechanization	3
		13

Second Semester

Course Code	Course Title	Hours
ABM 103	SOILS	3
ABM 104	FERTILIZERS	3
ABM 205	CROP SCOUTING	3
ABM 207	PRECISION AGRONOMY	3
AGR 208	INTRO. TO AGRICULTURAL MECHANICS	3
		15

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Certificate of Completion in CAD Technician

- Changed courses in paradigm, total program hours to 26 and program outcomes (December 2013, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (26 credits)		Units
ACT124 **	ARCHITECT CONSTRUCTION DOCUMENTS I	5
CAD151	FUND. OF COMPUTER AIDED DRAFTING	3
CAD221	MECHANICAL DRAFTING/DESIGN I	3
CAS121	COMPUTER APPLICATIONS & CONCEPTS	3
CWE101	COOPERATIVE EDUCATION WORK EXPER.	3
TES103	BLUEPRINT READING	3
Track Selection *		3
Track Selection		3
Architectural Track Selection (choose 6 credits)		Units
CAD153	ARCHITECTURAL COMPUTER-AIDED DRFTG.	0
CAD210	3D MODELING WITH CAD	0
Mechanical Track Selection (choose 6 credits)		Units
CAD152	ADVANCED COMPUTER-AIDED DRAFTING	0
CAD222	MECHANICAL DRAFTING/DESIGN II	0
Civil Engineering Track Selection (choose 6 credits)		Units
CAD154	MICROSTATION COMP AIDED DRAFT & DES	0
Structural Steel Track Selection (choose 6 credits)		Units
CAD156	STRUCTURAL STEEL CAD DOCUMENTS	0
TES207	APPLIED STRUCTURAL STEEL	0
Total Units		26

First Semester

Course Code	Course Title	Hours
ACT 124	ARCHITECT CONSTRUCTION DOCUMENTS I	5
CAD 151	FUND. OF COMPUTER AIDED DRAFTING	3
		8

Second Semester

Course Code	Course Title	Hours
CAS 121	COMPUTER APPLICATIONS & CONCEPTS	3
TES 103	BLUEPRINT READING	3
		6

Fourth Semester

Course Code	Course Title	Hours
CWE 101	COOPERATIVE EDUCATION WORK EXPER.	3
		3
	Total Credit Hours	17

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Associate in Science in Business Administration

- Changed program outcomes (May 2013, effective August 1, 2013)

Certificate of Completion in E-Business

- Withdrew (May 2013, effective August 1, 2013 – pending ICCB approval)

Certificate of Completion in Leadership

- Withdrew (May 2013, effective August 1, 2013 – pending ICCB approval)

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Associate in Science in Chemistry and Chemical Engineering

- Changed courses in the paradigm and program outcomes (April 2013, effective August 1, 2013)

Required General Education Courses (12 credits)		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3

Recommended General Education Courses (33-35 credits)		Units
BIO101	GENERAL BIOLOGY	4
CHE101	GENERAL CHEMISTRY I	4
MAT131	CALCULUS & ANALYTIC GEOMETRY I	5
MAT132	CALCULUS & ANALYTIC GEOMETRY II	5
Humanities A Selection		3-4
Social Science Selection		3
Humanities B Selection		3
Humanities C Selection		3-4
Social Science Selection		3

Recommended Program Courses (14 credits)		Units
CHE102	GENERAL CHEMISTRY II	4
CHE201	ORGANIC CHEMISTRY I	5
CHE202	ORGANIC CHEMISTRY II	5

Recommended Program Support Courses (8 credits)		Units
PHY201	PHYSICS I	4
PHY202	PHYSICS II	4

Total Units	67 - 68

First Semester

Course Code	Course Title	Hours
BIO 101	GENERAL BIOLOGY	4
CMN 101	PUBLIC SPEAKING FUNDAMENTALS	3
CHE 101	GENERAL CHEMISTRY I	4
EGL 101	COMPOSITION I	3

MAT 131	CALCULUS & ANALYTIC GEOMETRY I	5
		19

Second Semester

Course Code	Course Title	Hours
EGL 102	COMPOSITION II	3
MAT 132	CALCULUS & ANALYTIC GEOMETRY II	5
CHE 102	GENERAL CHEMISTRY II	4
PHY 201	PHYSICS I	4
		16

Third Semester

Course Code	Course Title	Hours
	Social Science Selection	3
	Humanities A Selection	3-4
CHE 201	ORGANIC CHEMISTRY I	5
PHY 202	PHYSICS II	4
		15-15

Fourth Semester

Course Code	Course Title	Hours
POS 101**or**	INTRODUCTION TO AMERICAN POLITICS	3
POS 201	STATE & LOCAL GOVERNMENT	3
	Humanities B Selection	3
	Humanities C Selection	3 - 4
	Social Science Selection	3
CHE 202	ORGANIC CHEMISTRY II	5
		17 - 18

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Certificate of Achievement in Digital Multimedia Technology

- Changed title to Digital Multimedia Design and courses in paradigm (January 2014, effective august 1, 2014 – pending ICCB approval)

		Units
DGM100	Introduction to Digital Media	3
ART102	TWO-DIMENSIONAL DESIGN I	3
ART106	INTRODUCTION TO COMPUTER ART	3
DME130	Film Production I	3
DME140	Two-Dimensional Animation I	3
DME150	Motion Graphics I	3
DME160	3D Modeling and Animation I	3
DAP120	Video Game Design I	3
DME230	Video Production II	3
	or	
DME270	Advanced Multimedia Design	3
ART116	INTRODUCTION TO GRAPHIC DESIGN	3
Total Units		30

First Semester

Course Code	Course Title	Hours
DGM 100	Introduction to Digital Media	3
ART 102	TWO-DIMENSIONAL DESIGN I	3
ART 106	INTRODUCTION TO COMPUTER ART	3
DME 130	Film Production I	3
DME 140	Two-Dimensional Animation I	3
		15

Second Semester

Course Code	Course Title	Hours
DME 150	Motion Graphics I	3
DME 160	3D Modeling and Animation I	3
DAP 120	Video Game Design I	3
		9

Total Credit Hours 24

Certificate of Completion in Digital Web Design and Development

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (30 Credits)		Units
ART106	INTRODUCTION TO COMPUTER ART	3
ART116	INTRODUCTION TO GRAPHIC DESIGN	3
DGM100	Introduction to Digital Media	3
DME130	Film Production I	3
DME140	Two-Dimensional Animation I	3
	or	
DME150	Motion Graphics I	3
	or	
DME160	3D Modeling and Animation I	3
DWD100	Website Design Production	3
DWD110	Website Design I	3
DWD210	Website Design II	3
DWD240	Responsive Website Design	1.5
DWD250	Dynamic PHP/SQL Website Design	1.5
Total Units		27

First Semester

Course Code	Course Title	Hours
ART 106	INTRODUCTION TO COMPUTER ART	3
DGM 100	Introduction to Digital Media	3
DWD 100	Website Design Production	3
DWD 110	Website Design I	3
DWD 210	Website Design II	3
		15

Second Semester

Course Code	Course Title	Hours
ART 116	INTRODUCTION TO GRAPHIC DESIGN	3
DME 130	Film Production I	3
DME 140**or**	Two-Dimensional Animation I	3
DME 150**or**	Motion Graphics I	3
DME 160	3D Modeling and Animation I	3
DWD 240	Responsive Website Design	1.5
DWD 250	Dynamic PHP/SQL Website Design	1.5
		15

Certificate of Achievement in Digital App Design and Development

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (30 Credits)		Units
DGM100	Introduction to Digital Media	3
ART106	INTRODUCTION TO COMPUTER ART	3
ART102	TWO-DIMENSIONAL DESIGN I	3
DAP100	User Interface Design	3
DAP120	Video Game Design I	3
ART116	INTRODUCTION TO GRAPHIC DESIGN	3
DAP140	Android App Production I	3
DAP150	iOS App Production I	3
DAP220	Video Game Design II	3
DAP260	Advanced App Design	3
Total Units		30

First Semester

Course Code	Course Title	Hours
DGM 100	Introduction to Digital Media	3
ART 106	INTRODUCTION TO COMPUTER ART	3
ART 102	TWO-DIMENSIONAL DESIGN I	3
DAP 100	User Interface Design	3
DAP 120	Video Game Design I	3
		15

Second Semester

Course Code	Course Title	Hours
ART 116	INTRODUCTION TO GRAPHIC DESIGN	3
DAP 140	Android App Production I	3
DAP 150	iOS App Production I	3
DAP 220	Video Game Design II	3
DAP 260	Advanced App Design	3
		15

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Associate Degree in Construction Occupations

- Changed total hours to 60 and courses in paradigm (September 2013, effective August 1, 2014 -- pending ICCB approval)

Required General Education Courses (15 credits)		Units
EGL104	CAREER COMMUNICATIONS I	3
	or	
EGL101	COMPOSITION I	3
EGL105	CAREER COMMUNICATIONS II	3
	or	
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
TEM103	VOCATIONAL-TECHNICAL MATH	3
TES121	TECHNICAL SHOP PHYSICS	3

Required Program Courses (31 credits)		Units
BDM102	INTRO. TO CONSTRUCTION OCCUPATIONS	4
BDM106	BASIC CARPENTRY I	4
BDM108	BASIC CARPENTRY II	4
BDM110	BASIC MASONRY	4
BDM112	CONSTRUCTION BLUEPRINT READING	4
BDM114	BASIC PLUMBING	4
BDM116	RESIDENTIAL WIRING	4
BDM120	Surveying and Building Layout	3

Required Program Support Courses (14 credits)		Units
ESI101	EMPLOYABILITY SKILLS	2
Program Support Selections		6
Program Support Selections		6

Program Support Selections (choose 12 credits)		Units
ACT124	ARCHITECT CONSTRUCTION DOCUMENTS I	0
ACT134	ARCHITECT CONSTRUCTION DOCUMENTS II	0
ACT201	UTILIZATION OF CONCRETE & MASONRY	0
ACT202	WOOD, STEEL & ALUM. STRUCTURES	0
ARH101	BASIC REFRIGERATION	0
ARH103	HEAT GENERATING SYSTEMS	0
BDM118	PAINTING & FINISHING	0
CWE101	COOPERATIVE EDUCATION WORK EXPER.	0

Total Units	60

First Semester

Course Code	**Course Title**	**Hours**
EGL 104**or**	CAREER COMMUNICATIONS I	3
EGL 101	COMPOSITION I	3
POS 101**or**	INTRODUCTION TO AMERICAN POLITICS	3

POS 201	STATE & LOCAL GOVERNMENT	3
TEM 103	VOCATIONAL-TECHNICAL MATH	3
BDM 102	INTRO. TO CONSTRUCTION OCCUPATIONS	4
ESI 101	EMPLOYABILITY SKILLS	2
		15

Second Semester

Course Code	**Course Title**	**Hours**
EGL 105**or**	CAREER COMMUNICATIONS II	3
EGL 102	COMPOSITION II	3
TES 121	TECHNICAL SHOP PHYSICS	3
BDM 106	BASIC CARPENTRY I	4
BDM 110	BASIC MASONRY	4
BDM 120	Surveying and Building Layout	3
		17

Third Semester

Course Code	**Course Title**	**Hours**
BDM 108	BASIC CARPENTRY II	4
BDM 114	BASIC PLUMBING	4
	Program Support Selections	6
		14

Fourth Semester

Course Code	**Course Title**	**Hours**
BDM 112	CONSTRUCTION BLUEPRINT READING	4
BDM 116	RESIDENTIAL WIRING	4
	Program Support Selections	6
		14

Certificate of Achievement in Residential Construction

- Changed total hours to 36 and courses in paradigm (September 2013, effective August 1, 2014 -- pending ICCB approval)

Required Program Courses (36 credits)		Units
BDM102	INTRO. TO CONSTRUCTION OCCUPATIONS	4
BDM106	BASIC CARPENTRY I	4
BDM108	BASIC CARPENTRY II	4
BDM110	BASIC MASONRY	4
BDM112	CONSTRUCTION BLUEPRINT READING	4
BDM114	BASIC PLUMBING	4
BDM116	RESIDENTIAL WIRING	4
ESI101	EMPLOYABILITY SKILLS	2
TEM103	VOCATIONAL-TECHNICAL MATH	3
Program Course Selection		3

Program Course Selections		Units
BDM118	PAINTING & FINISHING	0
BDM120	Surveying and Building Layout	0

Total Units 36

First Semester

Course Code	Course Title	Hours
BDM 102	INTRO. TO CONSTRUCTION OCCUPATIONS	4
BDM 112	CONSTRUCTION BLUEPRINT READING	4
ESI 101	EMPLOYABILITY SKILLS	2
TEM 103	VOCATIONAL-TECHNICAL MATH	3
		13

Second Semester

Course Code	Course Title	Hours
BDM 106	BASIC CARPENTRY I	4
BDM 108	BASIC CARPENTRY II	4
BDM 110	BASIC MASONRY	4
		12

Third Semester

Course Code	Course Title	Hours
BDM 114	BASIC PLUMBING	4
BDM 116	RESIDENTIAL WIRING	4
	Program Course Selection	3
		11

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Associate in Applied Science in Criminal Justice

- Changed total credit hours to 61, courses in paradigm and program outcomes (October 2013, effective August 1, 2014 – pending ICCB approval)

Required General Education Courses (18 credits)		Units
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
PHI205	ETHICS:MORALITY & CONTEMPORARY VALUE	3
POS201	STATE & LOCAL GOVERNMENT	3
	or	
POS101	INTRODUCTION TO AMERICAN POLITICS	3
SOC101	INTRO TO SOCIOLOGY	3
	or	
PSY101	INTRO TO PSYCHOLOGY	3

Required Program Courses (41 credits)		Units
CRJ101	VIOLENT AND CRIMINAL BEHAVIOR	3
CRJ104	INTRODUCTION TO HUMAN SERVICES	3
CRJ105	INTRO TO CRIMINAL JUSTICE SYSTEMS	3
CRJ130	INTRODUCTION TO POLICE SERVICE	4

CRJ139	FUNDAMENTALS OF INVESTIGATION	4
CRJ140	INTRODUCTION TO CORRECTIONS	4
CRJ211	Substance Abuse	3
CRJ221	THE JUVENILE OFFENDER	3
CRJ239	INTRODUCTION TO FORENSIC SCIENCE	3
CRJ240	Cmmunity Based Corrections	4
CRJ260	CRIMINAL LAW	4
CRJ264	COURTS AND VICTIM SERVICES	3
Required Work-Based Learning Courses (4 credits)		Units
CRJ275	INTERNSHIP	4
Total Units		63

Associate in Science in Economics

- Changed courses in paradigm (January 2014, effective August 1, 2014)

Required General Education Courses (12 credits)		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3
Recommended General Education Courses (31-33 credits)		Units
BIO101	GENERAL BIOLOGY	4
ECO131	PRINCIPLES OF ECONOMICS I (MICRO)	3
MAT130 *	CALCULUS FOR BUSINESS AND SOCIAL SCI	4
MAT140	FINITE MATHEMATICS	4
Humanities A Selection		3 - 4
Humanities B Selection		3
Humanities C Selection		3 - 4
Physical Science Selection		4
Social Science Selection		3
Recommended Program Courses (3 credits)		Units
ECO132	PRINCIPLES OF ECONOMICS I (MACRO)	3
Recommended Program Support Courses (17 credits)		Units
ACC103	FINANCIAL ACCOUNTING	4
ACC104	MANAGERIAL ACCOUNTING	3
CAS121	COMPUTER APPLICATIONS & CONCEPTS	3
MAT141	INTRODUCTORY STATISTICS	4
BUS121	INTRODUCTION TO BUSINESS	3
Total Units		63 - 65

First Semester

Course Code	Course Title	Hours
EGL 101	COMPOSITION I	3
CMN 101	PUBLIC SPEAKING FUNDAMENTALS	3
ECO 131	PRINCIPLES OF ECONOMICS I (MICRO)	3
MAT 140	FINITE MATHEMATICS	4
	Humanities A Selection	3 - 4
		16 - 17

Second Semester

Course Code	Course Title	Hours
EGL 102	COMPOSITION II	3
POS 101**or**	INTRODUCTION TO AMERICAN POLITICS	3
POS 201	STATE & LOCAL GOVERNMENT	3
MAT 130	CALCULUS FOR BUSINESS AND SOCIAL SCI	4
ECO 132	PRINCIPLES OF ECONOMICS I (MACRO)	3
CAS 121	COMPUTER APPLICATIONS & CONCEPTS	3
		16

Third Semester

Course Code	Course Title	Hours
BIO 101	GENERAL BIOLOGY	4
	Humanities B Selection	3
	Social Science Selection	3
ACC 103	FINANCIAL ACCOUNTING	4
		14

Fourth Semester

Course Code	Course Title	Hours
	Humanities C Selection	3 - 4
	Physical Science Selection	4
ACC 104	MANAGERIAL ACCOUNTING	3
MAT 141	INTRODUCTORY STATISTICS	4
BUS 121	INTRODUCTION TO BUSINESS	3
		17 - 18

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Associate in Arts in Teaching in Early Childhood Education

- Withdrew (December 2013, effective August 1, 2014 – pending ICCB approval)

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Associate in Arts Elementary Education

- Changed program outcomes (December 2012, effective January 1, 2013)

Associate in Arts in Secondary Education

- Changed courses in the paradigm and program outcomes (December 2012, effective August 1, 2013)

Required General Education Courses (12 credits)		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3

CMN101	PUBLIC SPEAKING FUNDAMENTALS	3
Recommended General Education Courses (30-32 credits)		Units
ART101	ART APPRECIATION	3
BIO101	GENERAL BIOLOGY	4
HIS101	HISTORY OF WESTERN CIVILIZATION I	4
	or	
HIS102	HISTORY OF WESTERN CIVILIZATION II	4
MUS104	MUSIC APPRECIATION	3
PSY101	INTRO TO PSYCHOLOGY	3
SOC101	INTRO TO SOCIOLOGY	3
Literature Selection		3
Mathematics Selection		3 - 5
Physical Science Selection *		4
Recommended Program Courses (13 credits)		Units
EDU201	INTRO TO TEACHER EDUCATION	4
PSY210	EDUCATIONAL PSYCHOLOGY	3
EDU210	INSTRUCTIONAL TECHNOLOGY	3
Program Course Selection		3
Recommended Program Support Courses (6-7 credits)		Units
PSY220	HUMAN DEVELOPMENT	3
Science Selection		3 - 4
Program Course Selections (choose 3 credits)		Units
EDU215	STUDENTS WITH DISABILITIES	0
EDU220	DIVERSITY OF SCHOOLS AND SOCIETY	0
Total Units		61 - 64

First Semester

Course Code	**Course Title**	**Hours**
EGL 101	COMPOSITION I	3
CMN 101	PUBLIC SPEAKING FUNDAMENTALS	3
ART 101	ART APPRECIATION	3
BIO 101	GENERAL BIOLOGY	4
SOC 101	INTRO TO SOCIOLOGY	3
		16

Second Semester

Course Code	**Course Title**	**Hours**
EGL 102	COMPOSITION II	3
HIS 101**or**	HISTORY OF WESTERN CIVILIZATION I	4
HIS 102	HISTORY OF WESTERN CIVILIZATION II	4
MUS 104	MUSIC APPRECIATION	3
PSY 101	INTRO TO PSYCHOLOGY	3
	Science Selection	3 - 4
		16 - 17

Third Semester

Course Code	**Course Title**	**Hours**
POS 101**or**	INTRODUCTION TO AMERICAN POLITICS	3

POS 201	STATE & LOCAL GOVERNMENT	3
	Literature Selection	3
	Mathematics Selection	3 - 5
EDU 201	INTRO TO TEACHER EDUCATION	4
	Program Course Selection	3
		16 - 18

Fourth Semester

Course Code	**Course Title**	**Hours**
	Physical Science Selection	4
PSY 210	EDUCATIONAL PSYCHOLOGY	3
EDU 210	INSTRUCTIONAL TECHNOLOGY	3
PSY 220	HUMAN DEVELOPMENT	3
		13
	Total Credit Hours	61 - 64

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Associate in Arts in Teaching in Special Education

- Withdrew (December 2013, effective August 1, 2014 – pending ICCB approval)

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Certificate of Completion in Basic Electrical Technician

- Added (December 2013, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (credits)		Units
ELT100	BASIC ELECTRONICS	3
ELT110	DC AND AC CIRCUITS	4
Total Units		7

Certificate of Completion in Intermediate Electrical Technician

- Added (December 2013, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (12 credits)		Units
ELT115	ANALOG & DIGITAL DEVICES & CIRCUITS	4
ELT210	ADVANCED CIRCUITS	4
ELT220	FUNDAMENTALS OF MICROCOMPUTERS	4
Total Units		12

Certificate of Completion in Advanced Electrical Technician

- Added (December 2013, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (12 credits)		Units
ELT203	COMMUNICATIONS SYSTEMS	4
ELT206	ADV COMM & ELECTRONIC INSTRUMENTATIO	4
ELT222	MICROCOMPUTER APPLICATIONS	4
Total Units		12

Associate in Applied Science in Commercial Electrical Maintenance

- Changed courses in paradigm (September 2013, effective August 1, 2014)

Required General Education Courses (15 credits)		Units
EGL104	CAREER COMMUNICATIONS I	3
	or	
EGL101	COMPOSITION I	3
EGL105	CAREER COMMUNICATIONS II	3
	or	
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
TEM103	VOCATIONAL-TECHNICAL MATH	3
TES121	TECHNICAL SHOP PHYSICS	3

Required Program Courses (27 credits)		Units
ELM103	Principles of Electricity & Circuits	4
ELM105	PRINC. OF TRANSFORMERS & AC CIRCUITS	4
ELM107	MOTORS AND GENERATORS	4
CSC115	Understanding Technology Today	3
	or	
ELM111	PROGRAMMABLE CONTROLS: LADDER LOGIC	2
	and	
ELM112	PROGRAMMABLE CNTRLS: TROUBLESHOOTING	1
ELM114	A.C. INDUSTRIAL CONTROLS	4
ELM115	Residential and Commercial Wiring	4
ELM117	ELEC. TRBLSHTG. & PREVENTIVE MAINT.	4

Required Program Support Courses (18 credits)		Units
ACT100	ARCHITECTURAL DRAFTING PRINCIPLES	3
CWE101	COOPERATIVE EDUCATION WORK EXPER.	3
CWE101	COOPERATIVE EDUCATION WORK EXPER.	3
ELT110	DC AND AC CIRCUITS	4
ESI101	EMPLOYABILITY SKILLS	2
TES103	BLUEPRINT READING	3
Total Units		60

First Semester

Course Code	**Course Title**	**Hours**
EGL 104**or**	CAREER COMMUNICATIONS I	3
EGL 101	COMPOSITION I	3
TEM 103	VOCATIONAL-TECHNICAL MATH	3
ELM 103	Principles of Electricity & Circuits	4
ELM 105	PRINC. OF TRANSFORMERS & AC CIRCUITS	4
ACT 100	ARCHITECTURAL DRAFTING PRINCIPLES	3
		17

Second Semester

Course Code	Course Title	Hours
EGL 105**or**	CAREER COMMUNICATIONS II	3
EGL 102	COMPOSITION II	3
ELM 107	MOTORS AND GENERATORS	4
ELM 114	A.C. INDUSTRIAL CONTROLS	4
TES 103	BLUEPRINT READING	3
		14

Third Semester

Course Code	Course Title	Hours
CWE 101	COOPERATIVE EDUCATION WORK EXPER.	3
		3

Fourth Semester

Course Code	Course Title	Hours
ELM 115	Residential and Commercial Wiring	4
ELM 117	ELEC. TRBLSHTG. & PREVENTIVE MAINT.	4
ELT 110	DC AND AC CIRCUITS	4
ESI 101	EMPLOYABILITY SKILLS	2
		14

Fifth Semester

Course Code	Course Title	Hours
POS 101**or**	INTRODUCTION TO AMERICAN POLITICS	3
POS 201	STATE & LOCAL GOVERNMENT	3
TES 121	TECHNICAL SHOP PHYSICS	3
CSC 115**or**	Understanding Technology Today	3
ELM 111**and**	PROGRAMMABLE CONTROLS: LADDER LOGIC	2
ELM 112	PROGRAMMABLE CNTRLS: TROUBLESHOOTING	1
CWE 101	COOPERATIVE EDUCATION WORK EXPER.	3
		12

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Associate in Applied Science in Emergency Medical Services

- Changed total hours to 68 and courses in the program (January 2014, effective August 1, 2014 – pending ICCB approval)

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Certificate of Completion in EMS Lead Instructor

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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Associate in Applied Science in Fire Science Technology

- Changed total program hours to 61 and courses in paradigm (January 2014, effective August 1, 2014 – pending ICCB approval)

Required General Education Courses (16 credits)		Units
CHE100	CONTEMPORARY CHEMISTRY	4
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
MAT104	GENERAL EDUCATION MATHEMATICS	3

	or	
MAT105	QUANTITATIVE LITERACY	3
PHI205	ETHICS:MORALITY & CONTEMPORARY VALUE	3
Required Program Courses (30 credits)		Units
EST102 *	Fundamentals of Emergency Services	3
	or	
EST101 **	Introduction to Emergency Management	3
FST103	FIRE PREVENTION PRINCIPLES	4
FST104	FIRE TACTICS AND STRATEGY I	3
FST105	VEHICLE/MACHINERY OPERATIONS	3
FST106	FIRE APPARATUS ENGINEER	3
FST109	Fire Service Vehicle Operator	0.5
FST110	TECHNICAL RESCUE AWARENESS	0.5
FST111 ***	Basic Ops Firefighter I	5
FST112	Basic Ops Firefighter II	5
FST201	HAZARDOUS MATERIALS OPERATIONS	3
Required Program Support Courses (15 credits)		Units
Program Support Course		3
Program Support Course		3
Program Support Course		3
Program Support Course		3
Program Support Course		3
Program Support Courses (choose 15 credits)		Units
EMS100	EMERGENCY MEDICAL RESPONDER	3
EMS101	EMERGENCY MEDICAL TECHNICIAN	8
FST200	Advanced Technician Firefighter	3
FST204	Fire Tactics and Strategy II	3
FST205	PUMP,AUTOMATIC SPRINKLER & STANDPIPE	4
FST207	BLDG CONSTRUCTION FOR FIRE PROTECTIO	3
FST218	FIRE SERVICE INSTRUCTOR I	3
FST219	FIRE SERVICE INSTRUCTOR II	3
FST236	Fire Service Leadership I	3
FST237	Fire Service Leadership II	3
FST238	Fire Service Leadership III	3
FST239	Fire Service Leadership IV	3
EST299	Special Topics in Emergency Services	0.5 - 4
CFF201	CERTIFIED FIREFIGHTER III MODULE A	3
CFF202	CERTIFIED FIREFIGHTER III MODULE B	3
CFF203	CERTIFIED FIREFIGHTER III MODULE C	3
EST101	Introduction to Emergency Management	3
	or	
EST102	Fundamentals of Emergency Services	3
CWE101	COOPERATIVE EDUCATION WORK EXPER.	0.5 - 3

Total Units	61

First Semester

Course Code	Course Title	Hours
EGL 101	COMPOSITION I	3
MAT 104**or**	GENERAL EDUCATION MATHEMATICS	3
MAT 105	QUANTITATIVE LITERACY	3
EST 102**or**	Fundamentals of Emergency Services	3
EST 101	Introduction to Emergency Management	3
FST 109	Fire Service Vehicle Operator	0.5
FST 110	TECHNICAL RESCUE AWARENESS	0.5
FST 111	Basic Ops Firefighter I	5
		15

Second Semester

Course Code	Course Title	Hours
EGL 102	COMPOSITION II	3
FST 112	Basic Ops Firefighter II	5
FST 201	HAZARDOUS MATERIALS OPERATIONS	3
	Program Support Course	3
	Program Support Course	3
		17

Third Semester

Course Code	Course Title	Hours
CHE 100	CONTEMPORARY CHEMISTRY	4
FST 104	FIRE TACTICS AND STRATEGY I	3
	Program Support Course	3
	Program Support Course	3
		13

Fourth Semester

Course Code	Course Title	Hours
PHI 205	ETHICS:MORALITY & CONTEMPORARY VALUE	3
FST 103	FIRE PREVENTION PRINCIPLES	4
FST 105	VEHICLE/MACHINERY OPERATIONS	3
FST 106	FIRE APPARATUS ENGINEER	3
	Program Support Course	3
		16

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Associate in Arts in Human Geography

- Changed courses in paradigm (October 2013, effective August 1, 2014)

Required General Education Courses (12 hours)		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3

Recommended General Education Courses (30-32 credits)		Units
GEG102	WORLD REGIONAL GEOGRAPHY	3

GEG103	PHYSICAL GEOGRAPHY	4
MAT141	INTRODUCTORY STATISTICS	4
PHI205	ETHICS:MORALITY & CONTEMPORARY VALUE	3
SOC101	INTRO TO SOCIOLOGY	3
Life Science Selection		4
Humanities A Selection		3 - 4
Humanities B Selection		3
Humanities C Selection		3 - 4
Recommended Program Courses (7 credits)		Units
GEG104	Human Geography	3
GEG201	INTRODUCTION TO WEATHER AND CLIMATE	4
Recommended Program Support Courses (13 credits)		Units
ANT101	INTRO TO ANTHROPOLOGY	3
ECO110	ELEMENTS OF ECONOMICS	3
GEG105	Intro to Geographic Information Sys	3
GEO101	PHYSICAL GEOLOGY	4
Total Units		62 - 64

First Semester

Course Code	**Course Title**	**Hours**
EGL 101	COMPOSITION I	3
POS 101**or**	INTRODUCTION TO AMERICAN POLITICS	3
POS 201	STATE & LOCAL GOVERNMENT	3
GEG 102	WORLD REGIONAL GEOGRAPHY	3
GEG 103	PHYSICAL GEOGRAPHY	4
	Humanities A Selection	3 - 4
		16 - 17

Second Semester

Course Code	**Course Title**	**Hours**
EGL 102	COMPOSITION II	3
CMN 101	PUBLIC SPEAKING FUNDAMENTALS	3
PHI 205	ETHICS:MORALITY & CONTEMPORARY VALUE	3
GEG 104	Human Geography	3
GEG 201	INTRODUCTION TO WEATHER AND CLIMATE	4
		16

Third Semester

Course Code	**Course Title**	**Hours**
	Life Science Selection	4
	Humanities B Selection	3
ANT 101	INTRO TO ANTHROPOLOGY	3
GEG 105	Intro to Geographic Information Sys	3
		13

Fourth Semester

Course Code	**Course Title**	**Hours**
MAT 141	INTRODUCTORY STATISTICS	4
SOC 101	INTRO TO SOCIOLOGY	3
	Humanities C Selection	3 - 4
ECO 110	ELEMENTS OF ECONOMICS	3

GEO 101	PHYSICAL GEOLOGY	4
		17 - 18
	Total Credit Hours	62 - 64

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Certificate of Completion in GIS Technician

- Added (December 2013, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (12 credits)		Units
GEG102	WORLD REGIONAL GEOGRAPHY	3
GEG206	Advanced Geographic Information Syst	3
GEG105	Intro to Geographic Information Sys	3
CPC170	Intro to Database	3

Required Work-Based Learning Course (3 credits)		Units
CWE101	COOPERATIVE EDUCATION WORK EXPER.	3
Total Units		15

First Semester

Course Code	Course Title	Hours
GEG 105	Intro to Geographic Information Sys	3
CPC 170	Intro to Database	3
		6

Second Semester

Course Code	Course Title	Hours
GEG 102	WORLD REGIONAL GEOGRAPHY	3
GEG 206	Advanced Geographic Information Syst	3
		6

Third Semester

Course Code	Course Title	Hours
CWE 101	COOPERATIVE EDUCATION WORK EXPER.	3
		3

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Associate in Science in Geology

- Changed total program hours to 62 and courses in the paradigm (January 2014, effective August 1, 2014)

Required General Education Courses (12 credits)		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3

Recommended General Education Courses (35-37 credits		Units
BIO101	GENERAL BIOLOGY	4
CHE101	GENERAL CHEMISTRY I	4
MAT131	CALCULUS & ANALYTIC GEOMETRY I	5
GEG102	WORLD REGIONAL GEOGRAPHY	3

MAT141	INTRODUCTORY STATISTICS	4
Humanities A Selection		3 - 4
Humanities B Selection		3
Humanities C Selection		3 - 4
Social Science Selection		3
Social Science Selection		3
Recommended Program Courses (8 credits)		Units
GEO101	PHYSICAL GEOLOGY	4
GEO102	Historical Geology	4
Recommended Program Support Courses (7 credits)		Units
GEG105	Intro to Geographic Information Sys	3
PHY201	PHYSICS I	4
Total Units		62 - 64

First Semester

Course Code	Course Title	Hours
EGL 101	COMPOSITION I	3
POS 101**or**	INTRODUCTION TO AMERICAN POLITICS	3
POS 201	STATE & LOCAL GOVERNMENT	3
MAT 131	CALCULUS & ANALYTIC GEOMETRY I	5
GEO 101	PHYSICAL GEOLOGY	4
		15

Second Semester

Course Code	Course Title	Hours
EGL 102	COMPOSITION II	3
CMN 101	PUBLIC SPEAKING FUNDAMENTALS	3
GEG 102	WORLD REGIONAL GEOGRAPHY	3
MAT 141	INTRODUCTORY STATISTICS	4
	Humanities A Selection	3 - 4
		16 - 17

Third Semester

Course Code	Course Title	Hours
CHE 101	GENERAL CHEMISTRY I	4
	Humanities B Selection	3
	Social Science Selection	3
GEG 105	Intro to Geographic Information Sys	3
PHY 201	PHYSICS I	4
		17

Fourth Semester

Course Code	Course Title	Hours
BIO 101	GENERAL BIOLOGY	4
	Humanities C Selection	3 - 4
	Social Science Selection	3
GEO 102	Historical Geology	4
		14 - 15

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Associate in Arts in Law Enforcement

- Withdrew (November 2013, effective August 1, 2014)

Associate in Applied Science in Law Enforcement

- Withdrew (November 2013, effective August 1, 2014 – pending ICCB approval)

Certificate of Completion in Community Police Officer

- Withdrew (November 2013, effective August 1, 2014 – pending ICCB approval)

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Certificate of Achievement in Medical Coding Specialist

- Changed total hours to 36 and courses in the program (January 2014, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (36 hours)		Units
MCS110	Health Information Management	3
MCS125 *	Anatomy & Physiology for Coders	3
MCS140	HIM for Electronic Health Records	3
MCS152	PHARMACOLOGY FOR CODERS	3
MCS160	PATHOPHYSIOLOGY FOR CODERS	3
MCS213	CPT Coding I	3
MCS219	ICD-10-Coding I	3
MCS223	CPT Coding II	3
MCS229	ICD-10-Coding II	3
MCS232	MEDICAL INSURANCE BILLING AND REIMB	3
MCS251	Certificate Internship	3
MCS221	Evaluation and Management Coding	3
Total Units		36

First Semester

Course Code	**Course Title**	**Hours**
MCS 110	Health Information Management	3
MCS 125	Anatomy & Physiology for Coders	3
		6

Second Semester

Course Code	**Course Title**	**Hours**
MCS 152	PHARMACOLOGY FOR CODERS	3
MCS 160	PATHOPHYSIOLOGY FOR CODERS	3
MCS 213	CPT Coding I	3
MCS 219	ICD-10-Coding I	3
		12

Third Semester

Course Code	**Course Title**	**Hours**
MCS 140	HIM for Electronic Health Records	3
MCS 223	CPT Coding II	3
MCS 229	ICD-10-Coding II	3
MCS 232	MEDICAL INSURANCE BILLING AND REIMB	3
		12

Fourth Semester

Course Code	**Course Title**	**Hours**
MCS 251	Certificate Internship	3

MCS 221	Evaluation and Management Coding	3
		6

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Associate in Applied Science in Associate Degree Nursing

- Changed total hours to 64 and courses in paradigm

Required General Education Courses (24 credit hours)		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
BIO175	HUMAN ANATOMY & PHYSIOLOGY I	4
BIO176	HUMAN ANATOMY & PHYSIOLOGY II	4
BIO220	MICROBIOLOGY	4
PSY101	INTRO TO PSYCHOLOGY	3
SOC101	INTRO TO SOCIOLOGY	3

Required Program Courses (40 credit hours)		Units
ADN110	Nursing I	6.5
ADN111	Introduction to Pharmacology	2.5
ADN112	Health Assessment	3
ADN120	Nursing II	8
ADN230	Adult Health Nursing I	5
ADN231	Adult Health Nursing II	5
ADN240	Critical Care Nursing	4
ADN241	Special Populations	4
ADN242	Nursing Leadership	2
Total Units		64

First Semester

Course Code	Course Title	Hours
BIO 175	HUMAN ANATOMY & PHYSIOLOGY I	4
ADN 110	Nursing I	6.5
ADN 111	Introduction to Pharmacology	2.5
ADN 112	Health Assessment	3
		16

Second Semester

Course Code	Course Title	Hours
BIO 176	HUMAN ANATOMY & PHYSIOLOGY II	4
PSY 101	INTRO TO PSYCHOLOGY	3
ADN 120	Nursing II	8
		15

Third Semester

Course Code	Course Title	Hours
EGL 101	COMPOSITION I	3
BIO 220	MICROBIOLOGY	4

ADN 230	Adult Health Nursing I	5
ADN 231	Adult Health Nursing II	5
		17

Fourth Semester

Course Code	Course Title	Hours
EGL 102	COMPOSITION II	3
SOC 101	INTRO TO SOCIOLOGY	3
ADN 240	Critical Care Nursing	4
ADN 241	Special Populations	4
ADN 242	Nursing Leadership	2

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Certificate of Achievement in Practical Nurse

- Changed admissions requirements and program outcomes (April 2013, effective August 1, 2013)

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Physics

- Change program outcomes (April 2013, effective August 1, 2013)

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Associate in Science in Pre-Clinical Laboratory Science

- Change courses in paradigm and program outcomes (April 2013, effective August 1, 2013)

Required General Education Courses		Units
EGL101	COMPOSITION I	3
EGL102	COMPOSITION II	3
POS101	INTRODUCTION TO AMERICAN POLITICS	3
	or	
POS201	STATE & LOCAL GOVERNMENT	3
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3

Recommended General Education Courses		Units
BIO111	PRINCIPLES OF BIOLOGY I	4
CHE101	GENERAL CHEMISTRY I	4
MAT141	INTRODUCTORY STATISTICS	4
Humanities A Selection		3 - 4
Humanities B Selection		3
Humanities C Selection		3 - 4
Mathematics Selection		4
Social Science Selection		3
Social Science Selection		3

Recommended Program Courses		Units
BIO175	HUMAN ANATOMY & PHYSIOLOGY I	4
BIO176	HUMAN ANATOMY & PHYSIOLOGY II	4
BIO220	MICROBIOLOGY	4
	or	

BIO225 *	MICROBIOLOGY FOR MAJORS	4
CHE102	GENERAL CHEMISTRY II	4
CHE201	ORGANIC CHEMISTRY I	5
Total Units		64 - 66

*Please check the catalog descriptions for prerequisites for BIO 225.

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Associate in Science in Pre-Forensic Science

- Withdrew (November 2013, effective August 1, 2014)

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Associate in Applied Science in Associate Degree Surgical Technology

- Changed total program hours to 62 and program courses (November 2013, effective June 1, 2014 – pending ICCB approval)

Required General Education Courses (11 credits)		Units
EGL101	COMPOSITION I	3
BIO175	HUMAN ANATOMY & PHYSIOLOGY I	4
BIO176	HUMAN ANATOMY & PHYSIOLOGY II	4

Required Program Courses (38 credits)		Units
SGT101	Introduction to Surgical Technology	3
SGT105	Principles of Asepsis	2
SGT108	Pharmacology for the Surgical Tech	2
SGT112	Practices of Surgical Technology	8
SGT200	Surgical Procedures I	4
SGT201	Clinical Internship I	5
SGT202	Surgical Procedures II	3
SGT203	Clinical Internship II	2
SGT204	Surgical Procedures III	4
SGT205	Clinical Internship III	5

Required Program Support Courses (13 credits)		Units
PSY101	INTRO TO PSYCHOLOGY	3
SOC101	INTRO TO SOCIOLOGY	3
CMN101	PUBLIC SPEAKING FUNDAMENTALS	3
BIO220	MICROBIOLOGY	4
Total Units		62

First Semester

Course Code	Course Title	Hours
BIO 175	HUMAN ANATOMY & PHYSIOLOGY I	4
SGT 101	Introduction to Surgical Technology	3
		7

Second Semester

Course Code	Course Title	Hours
BIO 176	HUMAN ANATOMY & PHYSIOLOGY II	4
SGT 105	Principles of Asepsis	2
SGT 108	Pharmacology for the Surgical Tech	2

SGT 112	Practices of Surgical Technology	8
BIO 220	MICROBIOLOGY	4
		20

Third Semester

Course Code	**Course Title**	**Hours**
EGL 101	COMPOSITION I	3
SGT 200	Surgical Procedures I	4
SGT 201	Clinical Internship I	5
PSY 101	INTRO TO PSYCHOLOGY	3
CMN 101	PUBLIC SPEAKING FUNDAMENTALS	3
		18

Fourth Semester

Course Code	**Course Title**	**Hours**
SGT 202	Surgical Procedures II	3
SGT 203	Clinical Internship II	2
		5

Fifth Semester

Course Code	**Course Title**	**Hours**
SGT 204	Surgical Procedures III	4
SGT 205	Clinical Internship III	5
SOC 101	INTRO TO SOCIOLOGY	3
		12

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Certificate of Achievement in Value-Added Local Food

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

Required Program Courses (33 credits)		Units
BUS125	ENTREPRENEURSHIP	3
BUS202	PRINCIPLES OF MARKETING	3
CAS121	COMPUTER APPLICATIONS & CONCEPTS	3
	or	
AGR109	MICROCOMPUTER SKILLS FOR AGRICULTURE	3
CLA100	Culinary Essentials	1
CLA131	FOOD PRODUCTION I	3
CLA132	FOOD PRODUCTION II	3
HSP107	FOODSERVICE SANITATION	1
HSP138	FOOD SERVICE PURCHASING & MATH	3
WVA101	Local Food Cuisine	2
WVA102	Food Preservation Methods	2
WVA103	Fermentation	2
WVA104	Sauces, Condiments & Dressings	2
WVA105	Value-Added Herbs	2
WVA106	Local Food in Institutions	2
WVA110	Local Food Regulations	1
Total Units		33

First Semester

Course Code	Course Title	Hours
BUS 125	ENTREPRENEURSHIP	3
CLA 100	Culinary Essentials	1
CLA 131	FOOD PRODUCTION I	3
HSP 107	FOODSERVICE SANITATION	1
HSP 138	FOOD SERVICE PURCHASING & MATH	3
WVA 101	Local Food Cuisine	2
WVA 102	Food Preservation Methods	2
WVA 105	Value-Added Herbs	2
		17

Second Semester

Course Code	Course Title	Hours
BUS 202	PRINCIPLES OF MARKETING	3
CAS 121**or**	COMPUTER APPLICATIONS & CONCEPTS	3
AGR 109	MICROCOMPUTER SKILLS FOR AGRICULTURE	3
CLA 132	FOOD PRODUCTION II	3
WVA 103	Fermentation	2
WVA 104	Sauces, Condiments & Dressings	2
WVA 106	Local Food in Institutions	2
WVA 110	Local Food Regulations	1
		16

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Associate in Arts in Women's Studies

- Changed title to Women's and Gender's Studies program outcomes (January 2014, effective August 1, 2014)

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ABM 103 Soils

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2013, effective January 1, 2013)

  This course is a study of soils with emphasis on evaluating properties of central Illinois soils. Topics include soil formation, physical and chemical properties and biology. Conservation and management practices for using soils in agriculture are examined. R, 11 (2 lecture hours and 2 laboratory hours)

ABM 104 Fertilizers

- Changed catalog description, student learning outcomes, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2013, effective August 1, 2013)

  This course is the study of fertilizer selection, use and application with emphasis on needs of central Illinois soils and crops. Students become familiar with common primary nutrients, secondary nutrients and micronutrients. Conditions which require their use are also studied. Students determine the proper rate for each nutrient for common Illinois crops. R, 12 (2 lecture hours and 2 laboratory hours)

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ABM 105 Crop Production

- Changed methods of instruction and assessment of student learning (January 2014, effective June 1, 2014)

ABM 201 Integrated Pest Management

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective June 1, 2014)

  This course is a study of principles of weed and insect control, including identification of common Illinois weeds and insects which damage Illinois crops and livestock. Emphasis is placed on herbicides, insecticides and fungicides. Students completing the course should be prepared to sit for the Commercial Applicator Test. R, 12 (2 lecture hours and 3 laboratory hours)

ABM 204 Marketing Agri-Business Productions

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This course is designed as a study of the marketing systems for farm commodities. Grading and quality determination, transportation and price discovery are discussed. The futures market, with hedging and options, are discussed, along with cash marketing alternatives. R, 12 (3 lecture hours)
- Changed prerequisite to ABM 106 with a minimum grade of C, catalog description, topical outline, student learning outcomes and classroom policies and procedures (September 2013, effective January 1, 2014)

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ACC 104 Managerial Accounting

- Changed catalog description, topical outline and graded assignments and grading practices (April 2013, effective August 1, 2013)

  This course is a study of managerial accounting concepts and procedures. The course examines the use of accounting information in planning operations, controlling activities and making decisions for economic entities. It focuses on manufacturing as opposed to non-manufacturing costs, cost behavior, budgets and variance analysis. R, M2, 11 (3 lecture hours) IAI: BUS 904
  Corequisite: ACC 103

ACC 105 Computerized Accounting Applications

- Changed catalog description, topical outline and student learning outcomes (April 2013, effective August 1, 2013)

  This course is intended to integrate accounting principles into a computerized format. Students develop an understanding of a wide variety of computerized accounting applications including general ledger functions, accounts receivable, accounts payable, payroll, inventory and financial statement analysis. Hands-on experience is gained through projects simulating company accounts. 12 (2 lecture hours and 2 laboratory hours)
  Prerequisite: ACC 100, ACC 103 or equivalent.

ACC 108 Governmental Accounting

- Changed prerequisite to ACC 103 with a minimum grade of C or equivalent, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices and assessment of student learning (April 2013, effective August 1, 2013)

  This course is designed for students interested in governmental and nonprofit organizations. It includes the description and application of general accepted accounting principles and financial reporting requirements for nonprofit entities such as state and local governmental units, public colleges and universities, hospitals and welfare organizations. Students also learn the unique characteristics of audits of government and not-for-profit entities. 12 (3 lecture hours)

Prerequisite: ACC 103 with a m minimum grade of C or equivalent

ACC 110 Federal Income Tax

- Changed catalog description, topical outline, student learning outcomes, textbook and graded assignments and grading practices (April 2013, effective August 1, 2013)

  Concepts of federal income tax legislation are discussed and applied to the tax responsibility of individuals and small businesses. Elements of individual income tax are examined. The course emphasizes transaction planning for tax minimization. 12 (3 lecture hours)

ACC 201 Intermediate Accounting I

- Changed catalog description and student learning outcomes (April 2013, effective August 1, 2013)

  This course is an advanced study of accounting principles with emphasis on the multiple-step income statement, classified balance sheets and statements of cash flow. The time value of money is also thoroughly explored. The history and theoretical foundation of financial accounting is discussed. 11 (3 lecture hours)
  Prerequisite: ACC 103 with a minimum grade of C or equivalent

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ACC 202 Intermediate Accounting II

- Changed catalog description, topical outline, student learning outcomes and textbook (April 2013, effective August 1, 2013)

  A continuation of ACC 201, this course emphasizes the asset and liability valuation and presentation on the balance sheet. Time value of money concepts relating to liabilities is stressed. Current issues in financial accounting are discussed. 12 (3 lecture hours)
  Prerequisite: ACC 201 with a minimum grade of C

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ADN 110 Nursing I

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course introduces nursing as a profession. The concepts and practices of basic nursing care are a major focus of the course. The standards and guidelines used in the development of the nursing curriculum including the concepts of safety, patient-centered care, evidence-based practice, informatics, teamwork and collaboration, and quality improvement are presented. 12 (3 lecture hours and 9 laboratory hours)
  Prerequisite: Admission to the program. Corequisite: BIO 175, ADN 111 and ADN 112

ADN 111 Introduction to Pharmacology

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course develops a foundation in pharmacologic principles needed by the professional nurse to provide safe, effective nursing care. The impact of individual variables is discussed on the use, effects and responses to medications. Students explore professional reference material appropriate to learning drug classes, rationale for use, dosage, therapeutic, adverse and side effects of medications and nursing implications. Students use the nursing process to prepare for safe medication administration including the ability to accurately calculate medication dosages for selected oral and parenteral medications. 12 (2.5 lecture hours). Prerequisite: Admission to the program. Corequisite: BIO 175, ADN 110 and ADN 112

ADN 112 Health Assessment

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

This course introduces the health assessment component of patient-centered care throughout the lifespan. It integrates the necessary elements of a basic health assessment by developing communication skills, differentiating normal and abnormal findings and appropriately documenting assessment findings. The concepts of patient safety, evidence-based practice, teamwork and collaboration and quality improvement are discussed as they apply to health assessment.12 (3 lecture hours) Corequisite: ADN 110, ADN 111 and BIO 175

ADN 120 Nursing II

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course uses the nursing process to provide safe, quality, patient-centered care to patients throughout their lifespan. This course includes an emphasis on the basic principles of perioperative nursing, fluid and electrolyte balance, diabetes, immunity, care of the older adult and mental health. Focus is on the recognition of appropriate nursing interventions based on best current evidence through utilization of teamwork and collaboration, and informatics. 12 (4 lecture hours and 11.5 laboratory hours). Prerequisite: ADN 110, ADN 111, ADN 112, BIO 175. Corequisite: BIO 176, PSY 101

ADN 230 Adult Health Nursing I

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course uses the nursing process to provide safe, quality, patient-centered care to individuals and groups of patients. Emphasis is placed on oxygenation, ventilation, perfusion, cellular regulation and metabolic concerns. Focus is on the application of nursing interventions based on best current evidence through utilization of teamwork and collaboration, and informatics. 12 (3 lecture hours and 6 laboratory hours). Prerequisite: ADN 120 with a minimum grade of C, PSY 101 with a minimum grade of C, BIO 176 with a minimum grade of C. Corequisite: BIO 220

ADN 231 Adult Health Nursing II

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course uses the nursing process to provide safe, quality, patient-centered care to individuals and groups of patients. Empahsis is placed on ingestion, digestion, elimination, cognition, perception and movement concerns. Focus is on the application of nursing interventions based on best current evidence through utilization of teamwork and collaboration and informatics. 12 (3 lecture hours and 6 laboratory hours). Prerequisite: ADN 120 with a minimum grade of C, PSY 101 with a minimum grade of C and BIO 176 with a minimum grade of C. Corequisite: BIO 220

ADN 240 Critical Care Nursing

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course uses the nursing process to provide safe, quality, patient-centered care for patients with complex health problems and multiple bio-psychosocial stressors. Clinical practice is directed towards the care of the critically ill patient with a focus on rapid and continuous patient assessment, intervention and evaluation. Consideration is given to the use of technology, clinical reasoning, informatics, prioritization, and psychomotor skills. The application of best current evidence and inter-professional collaboration is a focus of this course. 12 (2 lecture hours and 6 laboratory hours). Prerequisite: ADN 230, ADN 231, BIO 220. Corequisite: ADN 242

ADN 241 Special Populations

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course uses the nursing process to provide safe patient-centered care to women, children and the community as a patient population. The course emphasizes clinical reasoning, technology, informatics, prioritization, psychomotor and communication skills in women's health, obstetrics, pediatrics and community health. Emphasis is placed on the application of best current evidence and inter-

professional collaboration. 12 (2 lecture hours and 6 laboratory hours). Prerequisite: ADN 230, ADN 231 and BIO 220. Corequisite: ADN 242

ADN 242 Nursing Leadership

- Added (September 2013, effective August 1, 2014 – pending ICCB approval)

  This course is designed to facilitate role transition from student to beginning professional nurse leader in a changing health care system. The concepts of leadership and management, with a focus on delegation and prioritization of nursing care are further developed. The course addresses national initiatives which promote patient safety and quality improvement, legal and ethical rights and responsibilities, the role of informatics, collaborative communication, leadership and continuing self-development. 12(2 lecture hours). Prerequisite: ADN 230 with a minimum grade of C, ADN 231 with a minimum grade of C and BIO 220 with a minimum grade of C. Corequisite: ADN 240 and ADN 241

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AGR 203 Soil Science

- Changed catalog description and textbook (January 2013, effective January 1, 2013)

  Studies focus on the fundamentals of soil use and management. Topics covered include soil formation, physical and chemical properties, soil water and biology. R, 11 (3 lecture hours and 2 laboratory hours) IAI: AG 904
  Prerequisite: CHE 100 or CHE 101

AGR 205 Horticulture Science

- Withdrew (March 2013, effective August 1, 2013)

AGR 208 Introduction to Agricultural Mechanics

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This course is an introduction to agricultural mechanization with emphasis on technical terminology, skill development and mathematical applications. The primary topic areas are farm power and machinery, electrification, structures and surveying. Students utilize current technology in agricultural mechanics. R, 11 (2 lecture hours and 2 laboratory hours) IAI: AG 906

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AGR 210 Turfgrass Management

- Withdrew (March 2013, effective August 1, 2013)

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ARH 105 AC & DC Electrical Theory and Schematic Design

- Changed catalog description, student learning outcomes, textbook and graded assignments and grading practices (May 2013, effective August 1, 2013)

  Topics include the study of electron flow, voltage and resistance in series, parallel and series-parallel compound circuits. Practical application and familiarization with use of the volt/ohm/meter is stressed. Assembling series, parallel and series-parallel circuits and analyzing circuits involving solenoids, electric motors and other controls are covered in this course. 12 (2 lecture hours and 3 laboratory hours)

ARH 201 Commercial Refrigeration I

- Changed student learning outcomes, textbook and classroom practices and polices (May 2013, effective August 1, 2013)

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ARH 202 Commercial Refrigeration II

- Changed topical outline, student learning outcomes, textbook and classroom policies and procedures (May 2013, effective August 1, 2013)

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ART 110 Professional Practices in Art

- Changed catalog description, contact hours to 2 laboratory hours, topical outline, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014)

  This course is designed for the art student who is transferring to a four-year institution. Topics covered include resume writing, portfolio management and career options. Students learn a variety of professional standards specific to the art fields. 11 (2 laboratory hours)

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ART 204 Art History -- Survey of Western Art I

- Changed catalog description and topical outline (May 2013, effective August 1, 2013)

  This course presents the development of artistic expression from prehistoric times through the Proto-Renaissance period. The historical, philosophical, political, social and geographic factors that influenced that development are addressed within the scope of Western Civilization. This is the first course in the sequence of Survey of Western Art courses. W1, 11 (3 lecture hours)

ART 205 Art History -- Survey of Western Art II

- Changed catalog description and topical outline (May 2013, effective August 1, 2013)

  This course presents the significant movements, artists and artwork of the 14th through 20th centuries. It also presents the historical, philosophical, political, social and economic factors that influenced their development within the scope of Western Civilization. This is the second course in the sequence of Survey of Western Art courses. W1, 11 (3 lecture hours) IAI: F2 902

ART 206 Art History – Survey of Western Art III

- Withdrew (May 2013, effective August 1, 2013 – pending ICCB approval)

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AST 101 Introduction to Astronomy

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This is an introductory course covering the structure of the solar system and the universe. This course is designed for science and non-science majors who want a basic understanding of the organization and history of the solar system. Topics include birth, life and death of a star; origin, history and future of the universe; prospects for extraterrestrial life forms; and the techniques and instrumentation used in investigating the universe. R, 11 (3 lecture hours) IAI: P1 905
  Note: No previous science or math background is assumed.

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AUT 101 Fundamentals of Automotive Technologies

- Changed catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014)

This course is designed to cover the basic layout and operations of the automotive service industry and related fields. Automotive facilities, basic tools and shop equipment are covered. Basic vehicle maintenance and inspection is also covered. 12 (3 lecture hours and 2 laboratory hours)
Note: Students should purchase department-approved goggles and required tools.

AUT 102 Mutli-Cylinder Engines

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

AUT 103 Engine Servicing

- Changed corequisite to AUT 101 with a minimum grade of C and AUT 109, changed note to Students should purchase department approved goggles and required tools, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective June 1, 2014)

  This course consists of diagnosing automotive gasoline engines. Areas covered are engine performance, ignition systems, routine maintenance and service. Proper electronic test equipment usage is also covered. R, 12 (2.5 lecture hours 2 laboratory hours)
  Note: Students should purchase department approved goggles and required tools.
  Prerequisite: AUT 101 with a minimum grade of C and AUT 109

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AUT 104 AC and DC Electrical Systems

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

AUT 105 Fuel and Fuel Systems

- Changed changed note to Students should purchase department approved goggles and required tools, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014)

  Students in this course study construction, operation and maintenance of engine fuel systems. Gasoline, ethanol and diesel fuels are discussed. Also included is a study of the close relationship and integration of the fuel, ignition and emission systems. R, 12 (3.5 lecture hours and 1 laboratory hours)
  Corequisite: AUT 101
  Note: Students should purchase department-approved goggles and required tools.

AUT 106 Brake Systems

- Change corequisite to AUT 101, changed note to Students should purchase department approved goggles and required tools, catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, method of instruction and assessment of student learning (January 2014, effective August 1, 2014)

  This course is a study of automotive vehicle braking systems. Brake system principles, construction and types are covered. Proper brake system maintenance, operation and repair are also covered in this course. R, 12 (2 lecture hours and 2 laboratory hours).
  Corequisite: AUT 101
  Note: Students should purchase department-approved goggles and required tools.

AUT 107 Wheel Alignment, Balance and Suspension

- Change title to Steering and Alignment, corequisite to AUT 101, changed note to Students should purchase department approved goggles and required tools, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading

practices, methods of instruction and assessment of student learning Added (January 2014, effective August 1, 2014 – pending ICCB approval)

Students in this course study automotive steering systems. Hydraulic and electric steering are covered. Vehicle alignments are discussed and performed. R, 12 (2 lecture hours and 2 laboratory hours).
Corequisite: AUT 101
Note: Students should purchase department-approved goggles and required tools.

AUT 109 Auto Business Management

- Changed changed note to Students should purchase department approved goggles and required tools, catalog description, topical outline, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective June 1, 2014)

  This course provides students with an introduction to the management, organization and operation of the Automotive Business. Study is integrated with PC computer usage as it pertains to the various phases of the automotive business. Current automotive industry business trends and updates are discussed. R, 12 (2 lecture hours and 2 laboratory hours). Corequisite: AUT 101
  Note: Students should purchase department approved goggles and required tools.

AUT 112 Suspension and Tires

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course covers automotive suspension systems and tire service. Front and rear automotive suspensions are covered. Tire construction, repair and service are covered. 12 (2 lecture hours and 2 laboratory hours)
  Prerequisite: AUT 101 with a minimum grade of C and AUT 109
  Note: Students should purchase department-approved goggles and required tools.

AUT 115 Lower Engine Repair

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is a study of the lower portion of multi-cylinder automotive engines. The focus of the course is on the principles, construction, types, maintenance, and operation of multi-cylinder engines. Repair and rebuilding of the lower portion of the engine is also covered. 12 (2.5 lecture hours and 2 laboratory hours).
  Corequisite: AUT 101
  Note: Students should purchase department-approved goggles and required tools.

AUT 120 Basic Automotive Electronics

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is a study of basic automotive electrical systems. The focus of the course is on the principles, construction, types and maintenance of automotive electrical systems. Operation of electrical testing equipment is also covered. 12 (2.5 lecture hours and 2 laboratory hours).
  Corequisite: AUT 101
  Note: Students should purchase department-approved goggles and required tools.

AUT 125 Upper Engine Repair

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is a study of the upper portion of multi-cylinder automotive engines. The focus of the course is on the principles, construction, types, maintenance and operation of multi cylinder engines. Repair and rebuilding of the upper portion of the engine is also covered. 12 (2.5 lecture hours and 2 laboratory hours)
  Prerequisite: AUT 115 with a minimum grade of C
  Note: Students should purchase department-approved goggles and required tools.

AUT 202 Automatic Transmissions

- Changed title to Automatic Transmissions/Transaxles, prerequisite to AUT 101 with a minimum grade of C and AUT 109, note to Students should purchase department-approved goggles and required tools, catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is a study of various automatic transmissions/transaxles. Emphasis is placed on principles of operation. Automatic transmission maintenance, testing and overhaul are also covered. R, 12 (2 lecture hours and 2 laboratory hours)
  Prerequisite: AUT 101 with a minimum grade of C and AUT 109
  Note: Students should purchase department-approved goggles and required tools.

AUT 203 Power Trains and Manual Transmissions

- Changed prerequisite to AUT 101 with a minimum grade of C and AUT 109, note to Students should purchase department-approved goggles and required tools, catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning Added (January 2014, effective August 1, 2014)

  This course is the study of clutches, manual transmissions, drive lines, differentials and related components. Emphases are construction, operating principles, repair, adjustments and transfer of power. Proper manual transmission maintenance is covered. 12 (2 lecture hours and 2 laboratory hours)
  Prerequisite: AUT 101 with a minimum grade of C and AUT 109
  Note: Students should purchase department-approved goggles and required tools.

AUT 204 Special Units Mechanisms

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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AUT 208 Air Conditioning

- Changed title to Heating and Air Conditioning, prerequisite to AUT 101 with a minimum grade of C and AUT 109, note to Students should purchase department-approved goggles and required tools, catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is a study of automotive air conditioning systems. Automotive air conditioning principles, diagnostics and governmental regulations are major emphasis of the course. Proper air conditioning maintenance is also covered. R, 12 (2 lecture hours and 2 laboratory hours)
  Prerequisite: AUT 101 with a minimum grade of C and AUT 109
  Note: Students should purchase department-approved goggles and required tools.

AUT 209 Auto Emission Control

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

AUT 210 Automotive Internship

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

AUT 213 Automotive Drivability

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

AUT 214 Advanced Engine Performance

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

This course consists of diagnosing automotive gasoline engines. Areas covered are advanced engine performance, ignition systems, fuel systems and emission systems. Advanced engine performance is the main focus of the course. 12 (2 lecture hours and 2 laboratory hours).
Prerequisite: AUT 101 with a minimum grade of C , AUT 103 with a minimum grade of C and AUT 109
Note: Students should purchase department-approved goggles and required tools.

AUT 217 Hybrid and Electric Vehicles

- Added (January 2014, effective June 1, 2014 – pending ICCB approval)

  This is a course designed to acquaint students with hybrid electric vehicles. Hybrid electric vehicle identification is performed. Safety, operation and hybrid electric vehicle maintenance are covered. 12 (2.5 lecture hours and 2 laboratory hours)
  Prerequisite: AUT 103 with a minimum grade of C, AUT 120 with a minimum grade of C, AUT 214 with a minimum grade of C and AUT 220 with a minimum grade of C
  Note: Students should purchase department approved goggles and required tools.

AUT 220 Advanced Automotive Electronics

- Added (January 2014, effective June 1, 2014 – pending ICCB approval)

  This course is a study of advanced automotive electrical systems. The focus of the course is on the operation and diagnosis of automotive electrical systems. Operation of electrical testing equipment is used to diagnose automotive electrical system concerns. 12 (2 lecture hours and 2 laboratory hours). Prerequisite: AUT 120 with a minimum grade of C.
  Note: Students should purchase department approved goggles and required tools.

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BDM 102 Introduction to Construction Occupations

- Changed catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (September 2013, effective January 1, 2014)

  This course covers the basic safety principles fundamental to construction. Topics include the correct use of hand and power tools, emergency and first aid procedures and avoiding hazardous conditions. Introduction to basic construction math, OSHA regulations and code compliance are also studied. The ten-hour OSHA Outreaching Training Program is included in instruction. 12 (2 lecture hours and 4 laboratory hours)

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BDM 112 Construction Blueprint Reading

- Changed contact hours to 3 lecture hours, method of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)
- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (September 2013, effective January 1, 2014)

  This course teaches students to read and interpret construction symbols, blueprints and appropriate building codes. Students are taught rough drawing sketching and dimensioning techniques. Residential and light commercial construction blueprints are the focus of this course. 12 (2 lecture hours and 4 laboratory hours)

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BIO 101 General Biology

- Changed catalog description, topical outline, student learning outcomes, textbooks, classroom policies and procedures, graded assignments and grading policies, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

This is an introductory course in biological principles applicable for non-science majors. Principles of organization, function, heredity, evolution and ecology of the biotic world are illustrated. This course meets the general education requirement for a life science course. R, 11 (3 lecture hours and 2 laboratory hours) IAI: L1 900L

BIO 104 Life in the Environment

- Changed catalog description, student learning outcomes, textbooks, classroom policies and procedures, graded assignments and grading practices and assessment of student learning (April 2013, effective August 1, 2013)

  This biology course introduces students to ecological and environmental concepts. It is intended for the non-science major. The components, functions and balances of natural ecosystems, as well as human influence on ecosystems, are examined. Environmental issues are emphasized and addressed by identifying sustainable courses of action. R, 11 (3 lecture hours and 2

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BIO 111 Principles of Biology I

- Changed prerequisite to high school biology, skill level advisories to R and M1, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course is designed for science majors. Biology I is an introductory molecular and cellular biology course. Emphases are placed on biochemistry, cell structure and function and molecular genetics from an evolutionary perspective. Scientific processes and laboratory techniques are also covered. R, M1, 11 (3 lecture hours and 2 laboratory hours) IAI: BIO 910
  Prerequisite: High school biology

BIO 112 Principles of Biology II

- Changed skill level advisory, topical outline, student learning outcomes, textbooks, classroom policies and procedures, graded assignments and grading policies, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course is designed for science majors. Emphasis is on introduction to structure and function of major groups of microorganisms, fungi, animals and plants. Evolutionary relationships and ecological principles of these groups are also covered. R, M1, 11 (3 lecture hours and 2 laboratory hours) IAI: BIO 910
  Prerequisite: High school biology

BIO 150 Introduction to Prairie Restoration

- Added (April 2013, effective 06/01/2013)

  This introductory course focuses on the basic principles of prairie restoration. It is suitable for both biology majors and non-biological science students. The history and ecology of Illinois prairies are explored. Principles of both restoration and reconstruction are explored, with an emphasis on practical application and hands-on field experience. 11 (1 lecture hour and 1 laboratory hour)

BIO 180 Invasive Plants

- Added (October 2013, effective January 1, 2014)

  This course introduces students to common invasive plants and their impact on ecosystems. The origins of historic invasive species problems are explored. Emphasis is placed on the identification and control of regionally common plant species. 11 (1 lecture hour)

BIO 208 Marine Biology

- Changed catalog description, note, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading policies, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course is designed as a field course for general interest in marine biology. Various marine habitats are studied with their ecological significance stressed. Conservation of the marine ecosystem serves as a theme for the course. R, 11 (1 lecture hour and 2 laboratory hours)
  Note: All students are required to individually participate in all field work.

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BIO 204 Botany

- Changed prerequisite to BIO 101 or BIO 111, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective June 1, 2014)

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BIO 209 Biological Field Studies

- Changed catalog description, contact hours, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This general interest course provides an introduction to biological field studies. Terrestrial field sites are studied with an emphasis placed upon their ecological interactions and importance. Students should consult the instructor for specific field site details. R (2 lecture hours and 2 laboratory hours)
  Prerequisite: BIO 101 or equivalent with a minimum grade of C
  Note: All students are required to individually participate in all field work.

BUS 101 Business Law I

- Changed student learning outcomes, textbooks and graded assignments and grading practices (May 2013, effective August 1, 2013)

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BUS 102 Business Law II

- Changed student learning outcomes, textbooks, graded assignments and grading practices and assessment of student learning (May 2013, effective August 1, 2013)

BUS 121 Introduction to Business Organization

- Changed title to Introduction to Business, catalog description, student learning outcomes and classroom policies and procedures (May 2013, effective August 1, 2013)

  This course is designed to introduce students to the various functions of business administration and its operations within the free enterprise economic system. This introduction to business assists students in developing analytical abilities and orienting them to various business and organizational practices and operations. It introduces students to the topics of business components and organizational operations. R, 11 (3 lecture hours)

BUS 125 Entrepreneurship

- Changed catalog description, topical outline, textbooks, graded assignments and grading policies, methods of instruction and assessment of student learning (May 2013, effective August 1, 2013)

  This course is designed to introduce students to the principles and problems of establishing, starting and operating a small business. Attention is paid to the prerequisite skills and attitudes essential to enter small business management as a profession. The business topics covered include type of organization, state and federal legal impingements, management skills and techniques, marketing strategy

and policy, financial management, location and facilities planning and employee relations. Topics covered are selected with cognizance to student background, needs and interests. 12 (3 lecture hours)

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BUS 202 Principles of Marketing

- Changed catalog description and student learning outcomes (May 2013, effective August 1, 2013)

  Marketing is the process of planning and executing the conception, pricing, promotion and distribution of ideas, goods and services to create exchanges that satisfy individual and organizational objectives. Some topics included are market segmentation, consumer behavior, advertising and marketing concepts. International marketing is also reviewed. 11 (3 lecture hours)
  Prerequisite: BUS 121 or BUS 125

BUS 204 Management

- Changed catalog description, student learning outcomes and assessment of student learning (May 2013, effective August 1, 2013)

  This course provides a study of the principles of management and organization in modern business and industry. Topics include functions, methods and problems in management. Management in a competitive global environment is also examined. R, 11 (3 lecture hours)
  Prerequisite: BUS 121 or BUS 125

BUS 221 Global Business

- Changed catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading policies, methods of instruction and assessment of student learning (May 2013, effective August 1, 2013)

  This course is designed to explore the aspects of the emerging interdependent globalization of business within the modern international economic environment. The content provides individuals with skills and understanding of the cross-cultural business relationship reshaping the political, economic, financial and legal systems of many nations. An up-to-date view of global management pratices and strategies is presented and examined. R, 11 (3 lecture hours)
  Prerequisite: BUS 121 or BUS 125

BUS 230 Leadership

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (May 2013, effective August 1, 2013)

  Students evaluate and utilize the tools and techniques that facilitate the effective performance of leadership. Special attention is given to understanding leadership roles demonstrated in many management and personal situations as an organizationl dynamic. Concepts considered are leadership principles, transformational vs. transactional leadership, importance of ethics and the empowerment of people. R, 12 (3 lecture hours)

BUS 231 Organizational Behavior

- Changed topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (May 2013, effective August 1, 2013

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CAD 154 Mirostation Computer Aided Drafting and Design

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (May 2013, effective January 1, 2014)

  This course introduces students to the capabilities of MicroStation software, which is currently being used by the Illinois Department of Transportation and many engineering firms. Students focus on the terminology and commands available for creating various types of 2D drawings. Emphases are placed on increasing confidence, accuracy and productivity as the course progresses. 12 (2 lecture hours and 2 laboratory hours)

CAD 155 Advanced Microstation

- Withdrew (May 2013, effective August 1, 2013 – pending ICCB approval)

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CAD 156 Structural Steel CAD Documents

- Changed catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course provides students with the knowledge and skills to manipulate CAD software related to the structural steel industry. Both two-dimensional and three-dimensional drawings are created. 12 (2 lecture hours and 2 laboratory hours)
  Prerequisite: CAD 151

CAD 210 3D Modeling with CAD

- Changed corequisite to none, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course introduces students to 3D modeling techniques using advanced modeling and animation software. Topics covered include: creating and editing 3D objects and shapes; creating, editing, and applying materials and lights; rendering; importing data from other CAD software packages to create more interesting scenes, and animation. 12 (2 lecture hours and 2 laboratory hours)
  Prerequisite: CAD 151
  Corequisite: CAD 152

CAD 222 Mechanical Drafting/Design II

- Changed prerequisite to none, note to It is recommended but not required that students take CAD 221 before CAD 222, catalog description and textbook (October 2013, effective June 1, 2014)

  This course is designed to provide training on specialized mechanical software for the production of two- and three-dimensional mechanical drawings. Parametric and feature based design is used in the creation of part and assembly models. Multi-view, sectional and auxiliary drawings; exploded views; gears; and part lists are also created using standard annotation procedures. Parts and assemblies are analyzed using finite element analysis or other related methods. 12 (2 lecture hours and 2 laboratory hours)
  Note: It is recommended but not required that students take CAD 221 before CAD 222.

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CAS 121 Computer Applications and Concepts

- Changed student learning outcomes and graded assignments and grading practices (April 2013, effective August 1, 2013)

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CET 102 Land Planning and Descriptions

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

CET 106 Elementary Surveying

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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CHE 201 Organic Chemistry I

- Change catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices and assessment of student learning (May 2013, effective August 1, 2013)

  This course offers a study of the compounds containing carbon. This includes the classification by functional groups and the systemic naming of these compounds and the reactions they undergo. The factors directing these reactions, the methods of synthesizing organic molecules and the determination of molecular structure using chemical and instrumental methods are also included. Hydrocarbons and organic halides are the compounds primarily studied. The laboratory includes the preparation, purification, and identification of organic compounds. R, 11 (4 lecture hours and 3 laboratory hours) IAI: CHM 913
  Prerequisite: CHE 102 or equivalent

CHE 202 Organic Chemistry II

- Change catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices and assessment of student learning (May 2013, effective August 1, 2013)

  This course is a continuation of Chemistry 201. It is a study of oxygen-containing organic compounds, amines and other nitrogen-containing organic compounds and selected biochemical topics. The laboratory work includes preparation, purification and identification of organic compounds. R, 11 (4 lecture hours and 3 laboratory hours) IAI: CHM 914
  Prerequisite: CHE 201

CLA 251 Artisan Breads

- Added (February 2013, effective August 1, 2013)

  A more advanced teaching of breads, this course includes yeast breads, quick breads and artisan breads. Natural starters are a focus. This course produces the bread products for the student-run restaurant. 12 (.5 lecture hours and 2 laboratory hours)
  Prerequisite: CLA 100 with a minimum grade of C, CLA 141 with a minimum grade of C, CLA 142 with a minimum grade of C and current Food Handler's license

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COM 105 Career Communications II

- Changed prefix to EGL, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (February 2013, effective August 1, 2013 – pending ICCB approval)

  A continuation of EGL 104, this course is designed to provide occupational students with more rigorous applications of oral and written communications skills for success on the job: informal reports, formal reports, proposals, summaries, writing for the Web, research (primary and secondary, print and online), collaboration, graphics (visuals) and document design and presentations. Students work in a computer lab-classroom in order to utilize current technology. 12 (3 lecture hours)

COM 111 Composition I

- Changed prefix and number to EGL 101, prerequisite to EGL 099 and RDG 099 or appropriate placement scores (February 2013, effective August 1, 2013 – pending ICCB approval)

  The first course in a two-semester sequence of English composition, this course introduces students to academic writing as a process of developing and supporting a thesis in an organized essay. Course topics include methods of invention, development, and organization; the elements of style, including the conventions of standard written English; and an introduction to research and documentation. Students write expository and argumentative essays based on analytical reading and critical thinking. R, 11 (3 lecture hours) IAI: C1 900
  Prerequisite: EGL 099 and RDG 099 or appropriate placement scores

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COS 104 Medical Transcription

- Changed prerequisite to COS 120 with a minimum grade of C and COS 200 with a minimum grade of C, corequisite to COS 130, classroom policies and procedures (March 2013, effective August 1, 2013)

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CPC 170 Introduction to Database

- Added (October 2013, effective January 1, 2014 – pending ICCB approval)

  This course is an introduction to database language. It gives students with some background in computers an idea of how databases and programming works. Basic programming skills and file management are explored. 12 (2 lecture hours and 2 laboratory hours)

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CRJ 101 Violent and Criminal Behavior

- Changed title to Criminology, skill level advisory to R, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (October 2013, effective August 1, 2014 – pending ICCB approval)

  This course introduces and critiques theories of the external (social/political) and internal (biological/psychological) influences on criminal and violent behavior. The role of the criminal justice system and the methods of punishment in response to criminal behavior are also examined. This course may include of field trips and activities outside the clssroom. R, 11 (3 lecture hours)

CRJ 102 Introduction to Corrections

- Changed number to 140, skill level advisory to R, catalog description, topical outline, student learning outcomes, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (October 2013, effective August 1, 2014 – pending ICCB approval)

  This course provides those intending to pursue careers in the field of corrections or law enforcement a basis for understanding the correctional system. The course includes the historical development, philosophy and variety of correctional methods. Included are pre-institutional, institutional and post-institutional techniques, probation and parole. This course is required in probation and corrections programs. This course may include field trips and activities outside the classroom. R, 11 (3 lecture hours)

CRJ 201 The Juvenile Offender

- Changed number to 221, skill level advisory to R, catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded

assignments and grading practices, methods of instruction and assessment of student learning (October 2013, effective August 1, 2014 – pending ICCB approval)

This course is designed to develop an understanding of the organization, laws, functions and jurisdiction of juvenile agencies. It also covers the procedures and problems involved in handling juveniles as compared to adults. The historical development of the juvenile justice system is examined. This course may include field trips and activities outside the classroom. R, 11 (3 lecture hours)

CRJ 207 Substance Abuse

- Changed number to 211, catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices and assessment of student learning (October 2013, effective August 1, 2014 – pending ICCB approval)

This course examines drugs of abuse and misuse. The psychoactive and physiological effects of drugs as well as brain biochemistry are reviewed. An overview of drug laws and drug treatments is included. This course may include field trips and activities outside the classroom. 11 (3 lecture hours)

CRJ 251 Crime, Justice and Social Diversity

- Withdrew (September 2013, effective August 1, 2014 – pending ICCB approval)

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CRJ 299 Special Topics in Criminal Justice

- Added (September 2013, effective January 1, 2014 -- pending ICCB approval)

This course is an in-depth study of different areas in Criminal Justice, which uses a variety of student-centered learning methods. This includes discussion, projects, problem solving and skills building. Credit is variable (1-4 credits) depending on the topic and requirements. This course may be lecture, lab or a combination. R, W1 (4 lecture hours and 4 laboratory hours)

Prerequisite: Varies by topic

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DAP 100 User Interface Design

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

This course enables students to learn the necessary skills to build clean, attractive and intuitive user interface designs for iOS (Apple)and Android products. It teaches students the history of visual interfaces and their impact within society. Students further learn the workflow process to usability design and the components necessary to build a mobile app. This course is designed for students who already have a working knowledge of computers and some beginner to intermediate design knowledge. Although this course is focused on the design side of the mobile applications, students gain information on developmental, technical requirements and specifications. 12 (2 lecture hours and 2 laboratory hours)

Corequisite: DGM 100

DAP 120 Video Game Design I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

Video Game Design I provides a core skill set enabling the construction and execution of a video game app. Students learn terminology, aesthetics and concepts to create an interactive gaming environment. Exploration of design workflow, implementation, refinement and testing of gaming script is included. Incremental game development, graphics, user input, animation, sound, music and artificial intelligence are taught. This course also explores practical applications and steps necessary to deliver final output for a variety of destinations including the World Wide Web and popular hand-held devices. 12 (6 laboratory hours)

Corerequisite: DAP 100 and DGM 100

DAP 140 Android App Production I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This course is targeted for students who want to start writing mobile applications for the Android platform. Students start with the basics of Android programming and understanding its development framework and workflow. They learn both the fundamentals and the specifics of Android to write full-featured apps. 12 (6 laboratory hours)
  Prerequisites: DAP 100 and DGM 100

DAP 150 iOS App Production I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This course provides students with iOS app development skills. It covers a range of topics from designing a concept to the creation of an iOS app. Students gain in-depth knowledge of the iOS application development platform from a technological standpoint and familiarity with the graphic design elements that are crucial for publishing and marketing an appealing yet highly functional app. 12 (6 laboratory hours)
  Prerequisites: DAP 100 and DGM 100

DAP 220 Video Game Design II

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  Students learn how to design and develop mobile apps using Corona software developer kit. Students script source code into Corona, modify the typed-in script, and create a new mobile game. Students will be able to design their own apps for either iOS or Android platform. These three stages for designing a mobile app will provide students with advanced programming experience for future app design. 12 (6 laboratory hours)
  Prerequisites: ART 106, DAP 100, DAP 120 and DGM 100

DAP 260 Advanced App Design

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  Students learn advanced techniques to design and develop mobile apps for iOS and Android devices. Students work directly with a variety of development tools to build mobile apps from scratch. Furthermore, students independently produce fully functional apps and publish them on various devices for testing. 12 (6 laboratory hours)
  Prerequisites: DAP 140 and DAP 150

DGM 100 Introduction to Digital Media

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This course presents and investigates concepts needed to understand the field of digital media. Students are exposed to an historical overview and evolution of the digital media field, thus providing background knowledge on early visions, innovations, key persons and outstanding digital media creations. Throughout this course, students are encouraged to critically think about the role of digital media, the tools and the workflows necessary to complete projects. Topics such as digital media careers, ethics and its relationship to traditional media forms are discussed. Students are also exposed to industry standards, trend setting solutions and vocabulary that are employed by digital media designers. 12 (6 laboratory hours)

DME 130 Film Production I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This introductory course is the first in a series pertaining to digitizing, editing and authoring digital film using a computer. It focuses on the basic and intermediate concepts of professional video editing. It also provides students with shooting, editing, production and various outputting techniques. 12 (6 laboratory hours)

Prerequisite: DGM 100

DME 140 Two-Dimensional Animation I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  Two-Dimensional Animation I teaches students the fundamental principles of both the workflow and executing animation in 2D digital software with an emphasis on storyboarding, creating animatics, animation, story, sound and timing execution. Students learn how to transition from traditional hand-drawn animation techniques and creative processes into the digital realm. Design workflow and scheduling is a key element to the understanding of how these principles work together in a project. 12 (6 laboratory hours)
  Corequisites: ART 106 and DGM 100

DME 150 Motion Graphics I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  Motion Graphics I teaches students the fundamental principles of both the workflow and executing animation within motion graphic digital software with an emphasis on storyboarding, animation, sound and timing execution. Students learn how to transition from traditional hand-drawn storyboarding techniques and creative processes into the digital realm. Design workflow, scheduling are a key element to the understanding of how these principles work together in a creative project. This course also explores practical applications and steps necessary to create motion graphics segments for a variety of outputs. 12 (6 laboratory hours)
  Prerequisites: ART 106 and DGM 100

DME 160 3D Modeling and Animation I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  3D Modeling and Animation I introduces students to fundamental concepts, principles and practices of 3D modeling and animation. Students are given instruction in 3D modeling techniques including production of surfaces, forms using NURBS, polygon construction and subdivisional surfaces. Upon completion, students will have a thorough understanding of the basic practices of designing, building, and animating 3D environments, characters and visual effects. 12 (6 laboratory hours)
  Prerequisites: ART 106 and DGM 100

DME 230 Video Production II

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This is the second in a series of courses covering editing and authoring digital media techniques using a computer. The course is designed to provide a more in-depth knowledge to students in regard to the technical aspects. Furthermore, it focuses on the concepts of professional film editing and design while providing students with advanced film production techniques. R, 12 (6 laboratory hours)
  Prerequisite: DME 130

DME 270 Advanced Multimedia Design

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  Advanced Multimedia Design builds on the concepts and tools learned in DMM 140, DMM 150 and DMM 160. Students apply advanced multimedia concepts and techniques to digital multimedia production and demonstrate versatility using various multimedia software. Working both individually and in teams, students adopt and professionally prepare projects using multimedia software, motion graphics, animation, 3D modeling and rendering, audio editing and image editing. 12 (6 laboratory hours)
  Prerequisites: DME 140, DME 150 and DME 160

DWD 100 Website Design Production

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

This course introduces production techniques to the history, design, and usability of a user-centered website. Through varying procedures, this course examines topics such as ethical design practices, demographic research, usability studies. Website structure and progressive design techniques are also taught. R, 12 (2 lecture hours and 2 laboratory hours)

DWD 110 Website Design I

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This course introduces the use of software for the production and design of webpages and websites in digital design. Topics include the graphical user interface and current industry production methods, HTML5, CSS and JavaScript/jQuery. Upon completion, students will be able to create websites using a variety of layout strategies, upload the site to a web server, and optimize it for search engine optimization. 12 (6 laboratory hours)
  Prerequisite: DWD 100

DWD 210 Website Design II

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This course is a continuation of website design using HTML5, CSS and JavaScript/jQuery. Topics include strategies for creating advanced layouts, multiple template integration, advanced CSS techniques, using JavaScript and jQuery for site behavior and advanced web typography. Upon completion, students will be able to create website using multiple advanced layout techniques while implementing a management system for future website growth. 12 (6 laboratory hours)
  Prerequisites: ART 106 and DWD 110

DWD 240 Responsive Website Design

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This course introduces the concepts and practices of creating websites capable of adapting to an ever increasing variety of technological devices. Students gain an understanding of responsive, mobile design strategies and structural techniques. These techniques are used for the creation of a website that will function on desktop, tablet and mobile platforms using current technology. 12 (3 laboratory hours)
  Prerequisite: DWD 210

DWD 250 Dynamic PHP/SQL Website Design

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)
  This course introduces the concept of PHP Programming and provides the knowledge necessary to design and develop a dynamic, database-driven website. Students learn the framework, syntax and connectivity to an ODBC-compliant data structure. Additionally, students gain experience with an SQL database to create data-driven HTML. 12 (3 laboratory hours)
  Prerequisite: DWD 210

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ECE 121 Introduction to Early Childhood Education

- Changed textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

ECE 122 Growth and Development in Early Childhood Years

- Changed textbook, classroom policies and procedures, graded assignments and grading practice and assessment of student learning (March 2013, effective August 1, 2013)

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ECO 210 Economics of Social Issues

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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EDU 233 Classroom Management

- Withdrew (December 2012, effective January 1, 2013)

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ELM 103 Principles of Electric Batteries and DC Circuits

- Changed title to Principles of Electricity and Circuits, catalog description, contact hours to 3 lecture hours and 2 laboratory hours, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013 – pending ICCB approval)

  This course is an introductory course in electricity. Topics include the study of electrical energy, static electricity, sources of electricity. Also discussed are magnetism and generator action, voltage, current and resistance, electrical components, conductors and DC and AC circuits. 12 (3 lecture hours and 2 laboratory hours)

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ELM 105 Principles of Transformers and AC Circuits

- Changed contact hours to 3 lecture hours and 2 laboratory hours and classroom policies and procedures (May 2013, effective August 1, 2013 -- pending ICCB approval)

ELM 107 Motors and Generators

- Changed contact hours to 3 lecture hours and 2 laboratory hours (May 2013, effective August 1, 2013 -- pending ICCB approval)

ELM 109 Electrical System Designs

- Changed contact hours to 3 lecture hours and 2 laboratory hours (May 2013, effective August 1, 2013 -- pending ICCB approval)

ELM 114 A.C. Industrial Controls

- Changed contact hours to 3 lecture hours and 2 laboratory hours (May 2013, effective August 1, 2013 -- pending ICCB approval)

ELM 115 Residential and Commercial Wiring

- Changed prerequisite to ELM 105 or equivalent, catalog description, contact hours to 3 lecture and 4 laboratory, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013 – pending ICCB approval)

  Specifications and applications of electrical wiring used in residential and light commercial buildings are stressed. Included is a study of the National Electrical Code, fuses, circuit breakers, grounding, conductor capacity, overload relays and illumination. Life safety features are also studied. 12 (3 lecture hours and 2 laboratory hours)

  Prerequisite: ELM 105 or equivalent

ELM 117 Electrical Troubleshooting and Preventive Maintenance

- Changed contact hours to 3 lecture hours and 2 laboratory hours (May 2013, effective August 1, 2013 -- pending ICCB approval)

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ELT 100 Basic Electronics

- Changed prerequisite to TEM 103 with a minimum grade of C or MAT 082 or appropriate placement scores (December 2013, effective August 1, 2014)

ELT 110 DC and AC Circuits
- Changed prerequisite to ELT 100 or MAT 096 or appropriate placement scores and RDG 099 or appropriate placement scores (December 2013, effective August 1, 2014)

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EMS 218 EMS Lead Instructor
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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END 101 Electroneurodiagnostics
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 102 Basic Techniques
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 103 Instrumentation
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 104 Clinical Correlations
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 109 Clinical Practice I
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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END 110 Clinical Practice II
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 119 Clinical Practice III
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 200 Clinical Practice II
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 201 Neuroanatomy
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 202 Electrodiagnostics
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 203 END Capstone
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 205 END Neuroanatomy
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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END 206 Electrodiagnostics
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 210 Clinical Practice IV

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

END 220 Clinical Practice V
- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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ESI 101 Employability Skills
- Changed topical outline, student learning outcomes, graded assignments and grading practices, methods of instruction and assessment of student learning (December 2013, effective January 1, 2014)

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FST 106 Fire Apparatus Engineer
- Changed prerequisite to FST 111 or CFF 101 and MAT 092 or higher level math course, catalog description and methods of instruction (October 2013, effective January 1, 2014)

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FST 206 Leadership I
- Withdrew (September 2013, effective January 1, 2014 -- pending ICCB approval)

FST 211 Juvenile Firesetter Intervention Specialist
- Withdrew (September 2013, effective January 1, 2014 -- pending ICCB approval)

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FST 220 Fire Investigator I
- Withdrew (September 2013, effective January 1, 2014 -- pending ICCB approval)

GEG 102 World Regional Geography
- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This course is a study of the peoples of the world in relation to their various earth environments. Physical and environmental landscapes from each world region are examined. Also discussed are economic, political and cultural aspects of human geography in each world region. R, 11 (3 lecture hours) IAI: S4 900N

GEG 103 Physical Geography
- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices and assessment of student learning (April 2013, effective August 1, 2013)

  This course introduces common physical features on the earth's surface. One part of the course examines the atmosphere and related weather conditions. The other part of the course examines the earth's lithosphere including plate tectonics, earthquakes, volcanoes and the creation of landforms. Also covered are how external forces such as water, wind and glaciers shape the landscape. R, 11 (4 lecture hours) IAI: P1 909

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GEG 110 Ocean Studies
- Withdrew (September 2013, effective January 1, 2014 -- pending ICCB approval)

GEG 201 Introduction to Weather and Climate

- Changed catalog description, student learning outcomes, textbook, graded assignments and grading practices and assessment of student learning (September 2013, effective January 1, 2014)

  This course is designed for science and non-science majors who want a basic understanding of weather terminology, including temperatures, air pressure, wind, humidity and midlatitude cyclones. Also covered are atmospheric conditions and climatic change. How weather affects the environment and how human choices affect the weather are also studied. R, 11 (4 lecture hours) IAI: P1 906

GEO 101 Physical Geology

- Changed skill level advisory to reading and math advisory, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This course examines the materials and processes of the earth. Topics covered include volcanoes, earthquakes, plate tectonics, rocks and minerals. Lab includes rock and mineral identification, map interpretation and studies in seismology. R, M1, 11 (3 lecture hours and 2 laboratory hours) IAI: P1 907L

GEO 209 Geological Field Studies

- Withdrew (May 2013, effective August 1, 2013 – pending ICCB approval)

GEO 299 Special Topics in Geology

- Added (March 2013, effective August 1, 2013 – pending ICCB approval)

  This course is an in-depth study of different areas of geology presented using a variety of methods with an emphasis upon methods that use student-centered learning including discussion, projects, problem solving and skills building. Credit is variable (1 to 4 credits) depending on the topic and requirements. This course may be lecture, lab or a combination, R, M1, 11 (4 lecture hours and 6 laboratory hours)

GER 101 Elementary German I

- Changed topical outline, textbooks, grading assignments and grading practices and assessment of student learning (January 2014, effective August 1, 2014)

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GER 102 Elementary German II

- Changed prerequisite to GER 101 with a minimum grade of C, topical outline, textbooks, grading assignments and grading practices and assessment of student learning (January 2014, effective August 1, 2014)

GER 201 Intermediate German I

- Changed topical outline, textbook and graded assignments and grading practices (January 2014, effective August 1, 2014)

GER 202 Intermediate German II

- Changed catalog description, topical outline, textbook, graded assignments and grading practices (January 2014, effective August 1, 2014)

  This is the fourth course in a four-course sequence. Grammar, vocabulary, conversation and culture/geography/history are reviewed, with further development in all areas. Reading, writing, comprehension and oral practice continue to be stressed through the use of authentic sources, including films, magazines, newspapers, short stories, poetry and the reading of a novella or play. Cultural fluency is emphasized, with an end goal of low- to mid-intermediate proficiency in listening, reading, speaking and writing. R, 11 (3 lecture hours and 2 laboratory

hours)
Prerequisite: GER 201 with a minimum grade of C

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HLT 200 First Aid

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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HLT 207 Human Nutrition

- Changed prefix and number to BIO 170, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval

  The basic concepts of human nutrition are addressed in this course. Measurements of the diet, the role of nutrients in body structure and function and nutrition throughout the life cycle are covered. Food systems, food safety and food security are also examined. Emphasis is placed on the positive contributions of nutrition to life and health. R, 11 (3 lecture hours)

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HSP 132 Food Production II

- Changed prefix to CLA, catalog description, prerequisite to CLA 100 with a minimum grade of C, HSP 107 with a minimum grade of C, CLA 131 with a minimum grade of C and current Food Handler's license, topical outline, student learning outcomes, textbook and assessment of student learning (February 2013, effective June 1, 2013)

  This course is the second in a four-course series. Focus is on development of more advanced cooking techniques as well as an introduction to more ingredients. Topics covered include wild game cookery, seafood cookery and advanced sauces. Emphasis on the standardized recipe. 12 (1 lecture hour 4 laboratory hours)
  Prerequisite: CLA 100 with a minimum grade of C, HSP 107 with a minimum grade of C, HSP 131 with a minimum grade of C and a current Food Handler's license

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HUM 112 Leadership Development

- Changed catalog description, student learning outcomes, graded assignments and grading practices and assessment of student learning (March 2013, effective August 1, 2013)

  The course is a multi-disciplinary humanities approach which applies the principles of good composition using experiential learning exercises to weave together behavioral science principles, classic works of literature and contemporary multi-cultural writing with the goal of promoting a deeper understanding of leadership. It is designed to foster the development of leadership abilities in students by providing a basic understanding of the historical perspectives of leadership and group dynamics theory, by raising awareness of the ethical responsibilities of leadership and by assisting the student in developing personal philosophies of leadership which help them gain insight into their own leadership styles. A key component of the course is the development of student communication skills through the use of writing assignments, personal journals, oral presentations and the Leadership Service Project. R, W1, 11 (3 lecture hours)

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LEA 106 Introduction to Police Service

- Changed topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

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LEA 110 Fundamentals of Investigation

- Changed prefix and number to CRJ 139, graded assignments and grading practices and methods of instruction (October 2013, effective August 1, 2014)

  This course reviews the fundamental procedures and skills used in criminal investigations. Specific skills in information gathering, report writing, crime information analysis, interview and interrogation skills are some of the areas covered in the course. This is accomplished by identifying the verbal and written skills needed by the primary investigators in law enforcement, security and other investigative careers. R, 11 (4 lecture hours)
- Changed topical outline, student learning outcomes, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

LEA 201 Substantive Criminal Law

- Changed catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedure, method of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This course allows students to examine the substantive criminal law as it relates to common law and case law. Essential elements of felonies and pertinent misdemeanors are reviewed. The course focuses on the theory of criminal law as well as the specifics of the Illinois Criminal Code. 11 (4 lecture hours)

LEA 204 Contemporary Problems in Law Enforcement

- Withdrew (November 2013, effective August 1, 2014)
- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This course introduces the student to the challenges of law enforcement in the contexts of the broader society. The role of police in a democracy, the historical role of policing and what the future may look like are part of this community view. The specific issues addressed are ethics, use of force, cultural diversity, protection of rights, and community support. R (3 lecture hours)

LEA 209 Introduction to Forensic Science

- Changed catalog description, topical outline, student learning objectives, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course is a study of collection, identification, preservation and transportation of physical evidence found at crime scenes. This includes the use of photography, fingerprint examinations, preservation of prints, footprints, toolmark impressions, handwriting, firearms identification, hair, fiber, dust and blood evidence. The importance of laboratory examination and discussion of available facilities is also studied. (3 lecture hours)

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LIT 109 Introduction to Literature – Multi Genre

- Changed prefix to EGL, skill level advisories to R, W1 and graded assignments and grading practices (January 2014, effective August 1, 2014 – pending ICCB approval)

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LIT 110 Introduction to Literature: Poetry

- Changed prefix to EGL, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2013, effective August 1, 2014)

This course is an introduction to the critical study of poetry. Students are introduced to the formal elements of poetry by reading a wide range of poems. Students learn to analyze how these elements shape and influence meaning. Additionally, students explore the role of poetry as a literary form and develop an appreciation for its place in culture as well. R, W1, 11 (3 lecture hours)

LIT 111 Introduction to Literature – Novel

- Changed prefix to EGL, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is an introduction to the critical study of the novel as a literary genre. It introduces students to the scholarly study of the novel, with a focus on multiple periods and genres. Theme, structure and style are emphasized. R, W2, 11 (3 lecture hours) IAI: H3 901

LIT 112 Introduction to Literature – Drama

- Changed prefix to EGL, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is an introduction to the critical study of drama as a literary genre. It introduces students to the great themes and works of drama across the ages. Representative plays from the Classical to contemporary are analyzed for theme, structure and style. R, W2, 11 (3 lecture hours) IAI: H3 902

LIT 113 Introduction to Literature – Heritage Studies in Ethnic Literature

- Changed prefix to EGL, catalog description and graded assignments and grading practices (January 2014, effective August 1, 2014 – pending ICCB approval)

  An introduction to the multicultural literature of the United States, this course acquaints students with representative creative works. This includes fiction, poetry and drama by ethnic Americans who have traditionally not been part of the dominant culture. Works of African Americans, Asian Americans, Hispanics and Native Americans and other writers are examined. R, W2, 11 (3 lecture hours) IAI: H3 910D

LIT 114 Introduction to Film as Literature

- Changed prefix to EGL, catalog description, textbook and method of instruction (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is an introduction to the critical study of film as literature in which students learn to "read," discuss, interpret and write about films with greater awareness, clarity and skill. In accord with a literary approach, films are analyzed in terms of their plot, setting, characterization, theme and point of view. Students also learn to recognize and interpret role (casting, acting, camera movement, musical score, lighting) and other basic elements of film play in their response to films. R, W2, 11 (2 lecture hours and 2 laboratory hours) IAI: HF 908

LIT 120 Introduction to Children's Literature

- Changed prefix to EGL, catalog description, topical outline, student learning outcomes, graded assignments and grading policies and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  Introduction to Children's Literature examines the rich and culturally complex texts that are written by adults for an implied child reader. Students are introduced to many genres and forms of children's literature from pre-reader to 8th grade materials: oral and literary fairy and folktales, mythologies, poetry, picture books, graphic novels, series books, nursery rhymes, early readers, etc. A variety of genres (fantasy, science fiction, historical realism, contemporary realism, etc.) are covered. Students

learn to determine literary meaning, form, and value, including applying relevant literary theory. In addition to deep analysis of literature, students enrolled in the course obtain an overview of how children's literature developed, how its definition changes from era to era and culture to culture, and how children have been socialized through literature, based upon those changing definitions. R, W2, 11 (3 lecture hours) IAI: H3 918

LIT 147 Women in Modern Literature

- Changed prefix to EGL, title to Women's Literature, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  The course covers historical and contemporary works of literature --fiction and nonfiction, poetry and drama -- written by women and primarily about women. Selected readings represent diverse perspectives in race, class, style, and sexuality. The course also includes a close scrutiny of literary criticism and a study of varied literary styles and techniques, which helps students begin to analyze the ways female writers have contributed to, challenged, resisted, and expanded literary traditions. R, W2, 11 (3 lecture hours) IAI: H3 911D

LIT 150 Creative Writing: Fiction

- Changed prefix to EGL and textbooks (January 2014, effective August 1, 2014 – pending ICCB approval)

LIT 151 Creative Writing: Poetry

- Changed prefix to EGL (January 2014, effective August 1, 2014 – pending ICCB approval)

LIT 201 Survey of English Literature: Anglo-Saxon through the Neoclassical Age

- Changed prefix to EGL, title to Survey of British Literature I, prerequisite to EGL 101 with a minimum grade of C, catalog description, topical outline, textbook, graded assignments and grading practices and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is the first semester of a two-semester chronological survey of British literature from the Anglo-Saxon period to modern time. Emphasized are the artistic value of literature and an understanding of how history and culture influence the development of literary movements. This course surveys the Anglo-Saxon Period, Middle English Period, the Renaissance, the 17th Century and the Neoclassical Age. R, 11 (3 lecture hours) IAI: H3 912
  Prerequisite: EGL 101 with a minimum grade of C

LIT 202 Survey of English Literature: Romantic Movement through the Contemporary Period

- Changed prefix to EGL, title to Survey of British Literature II, prerequisite to EGL 101 with a minimum grade of C, catalog description, topical outline, textbook, graded assignments and grading practices and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is the second semester of a two-semester chronological survey of British literature from the Anglo-Saxon period to modern time. Emphasized are the artistic value of literature and an understanding of how history and culture influence the development of literary movements. This course surveys the Romantic Period, the Victorian Period, the Transition period, Modernism, Post-Modernism and the latter 20th century and the early 21st century. R, 11 (3 lecture hours) IAI: H3 912
  Prerequisite: EGL 101 with a minimum grade of C

LIT 210 Survey of American Literature: Colonial to Civil War

- Changed prefix to EGL, prerequisite to EGL 101 with a minimum grade of C, graded assignments and grading practices and methods of instruction (January 2014, effective August 1, 2014 – pending ICCB approval)

LIT 211 Survey of American Literature: Civil War to Present
- Changed prefix to EGL, topical outline and graded assignments and grading practices (January 2014, effective August 1, 2014 – pending ICCB approval)

LIT 220 Literary Masterpieces I
- Changed prefix to EGL, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is the first in a two-course sequence. It is designed to acquaint students with the masterpieces of Western literature which created the traditions for and deeply influenced literary development. Content selected from a variety of genres and writers from Classical times to the Renaissance are studied. R, 11 (3 lecture hours) IAI: H3 906
  Prerequisite: EGL 101

LIT 221 Literary Masterpieces II
- Changed prefix to EGL, catalog description, topical outline, student learning outcomes, textbooks, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is the second course in the sequence. It is designed to acquaint students with the masterpieces of Western literature which created the traditions for and deeply influences literary development. Content is selected from a variety of genres and writers from the Renaissance to the present. R, 11 (3 lecture hours) IAI: H3 907
  Prerequisite: EGL 101

LIT 222 Shakespeare
- Changed prefix to EGL, prerequisite to EGL 101 with a minimum grade of C and textbook (January 2014, effective August 1, 2014 – pending ICCB approval)

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MAT 087 Preparatory Math for Gen Ed Math I
- Added (September 2013, January 1, 2014 – pending ICCB approval)

  This is the first part of a two-part course for non-math and non-science majors that integrates numeracy, proportional reasoning, algebraic reasoning, and functions. Students are introduced to conceptual and procedural tools that build a numeric base and that establish algebraic thinking. Throughout the course, college success content is integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. Upon successful completion of the course, students may take Preparatory Math for Gen Ed Math II. 14 (3 lecture hours) Prerequisite Math 082 with a minimum grade of C or appropriate placement score

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MAT 097 Preparatory Math for Gen Ed Math II
- Added (September 2013, January 1, 2014 – pending ICCB approval)

  This course is the second part of a two-part course for non-math and non-science majors that integrates numeracy, proportional reasoning, algebraic reasoning, and functions. Students continue to develop conceptual and procedural tools that extend numeric ideas into algebraic and graphical representations, that further algebraic concepts, and that utilize statistics and modeling. Throughout the course, college

success content is integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. Upon successful completion of the course, students may take Mat 094, Mat 104, Mat 105 or Mat 141. 14 (3 lecture hours)
Prerequisite Mat 087 with a minimum grade of C

MAT 104 General Education Mathematics

- Changed prerequisite to MAT 096 with a minimum grade of C or MAT 097 or appropriate placement score AND one year of high school geometry with a minimum grade of C or MAT 093 with a minimum grade of C, catalog description, topical outline, student learning outcomes, graded assignments and grading practices (October 2013, effective January 1, 2014)

  This course focuses on mathematical reasoning and the general mathematical skills needed to solve real-life problems. The course includes an in-depth study of the nature of problem solving, set theory, the mathematics of finance and counting techniques and probability. This course is not a prerequisite for any other college mathematics course. 11 (3 lecture hours) IAI: M1 904
  Prerequisite: MAT 096 with a minimum grade or MAT 097 with a minimum grade of C or appropriate placement scores AND one year of high school geometry with a minimum grade of C or MAT 093 with a minimum grade of C

MAT 113 College Algebra

- Changed catalog description, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This course centers on the exploration of various algebraic functions, including polynomial, rational, exponential and logarithmic functions. The properties, graphs, and inequalities of these functions are analyzed and applications of their use is studied. Other topics include systems of equations, matrices, conic sections, sequences and series. 11 (4 lecture hours)
  Prerequisite: MAT 096 with a minimum grade of C or appropriate palcement score and one year of high school gemoetry or MAT 093 with a minimum grade of C

MAT 120 Trigonometry

- Changed catalog description, topical outline, student learning outcomes, textbook and graded assignments and grading practices (March 2013, effective August 1, 2013)

  In this course the trigonometric functions are defined, important relationships between them are established and their graphs are studied in detail. The inverse trigonometric functions are defined, trigonometric equations are solved and identities are proved. The course material will be applied to solve a variety of problems. 11 (3 lecture hours)
  Prerequisite: MAT 113 with a minimum grade of C or appropriate placement scores

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MAT 161 Computer Programming and Applications for Engineers

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignment and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This is a beginning course in problem solving using computers, covering problem formulation, algorithm development and coding in a high level structured programming language. Sources of error in numerical computations and fundamental numerical algorithms are discussed. Among the algorithms are those for numeric integration, numeric differentiation, root finding, the solving of systems of linear equations and solving differential equations. 11 (3 lecture hours and 2 laboratory hours)
  Prerequisite: MAT 131 with a minimum grade of C

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MCS 140 HIM for Electronic Health Records

- Changed catalog description, contact hours to 3 lecture hours, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course presents an electronic health records system used by the medical profession. This system is utilized for all documentation from financial information sheets to lab results. Students learn to use, manage and update the system in order to input documentation and complete chart auditing through electronic health records. 12 (3 lecture hours).
  Prerequisite: MCS 110 with minimum grade of C

MCS 219 ICD-9-Coding I

- Changed title to ICD-10-Coding I, catalog description, prerequisite to MCS 110 with a minimum grade of C and MCS 125 with a minimum grade of C, topical outline, student learning outcomes, textbook, graded assignments and grading practices and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course introduces students to ICD-10-Coding I and documentation. Students become proficient in interpreting the physician's written documentation and converting said documentation to diagnosis codes. Students learn the guidelines for coding diseases and medical procedures. R, 12 (3 lecture hours)
  Prerequisites: MCS 110 with a minimum grade of C and MCS 125 with a minimum grade of C

MCS 221 Evaluation and Management Coding

- Added (January 2014, effective August 1, 2014 – pending ICB approval)

  Students are introduced to Evaluation and Management coding concepts and procedures. Students gain skills in different components of E and M in accordance with CPT coding. Reimbursement and proper documentation are also discussed. 12 (3 lecture hours) Prerequisite: MCS 223 with a minimum grade of C.

MCS 229 ICD-9-Coding II

- Changed title to ICD-10-Coding II, catalog description, prerequisite to MCS 219 with a minimum grade of C, corequisite to none, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is a continuation of MCS 219. It teaches students methods to accurately code diseases and injuries. Students convert the physician's written diagnosis into a three to seven-digit numeric code. Students learn advanced guidelines for the acute care environment. R, 12 (3 lecture hours)
  Prerequisite: MCS 219 with a minimum grade of C

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OTA 100 Occupational Throughout the Lifespan

- Changed prefix to HLT, classroom policies and procedures and graded assignments and grading practices (January 2014, effective June 1, 2014 – pending ICCB approval)

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OTA 105 Kinesiology

- Changed corequisite to OTA 200 and OTA 201, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

This course provides students with an understanding of movement as a necessary component of much of human occupation. The course presents the active and passive structures involved in movement. Students explore biomechanical analysis, with application to biomechanical evaluation and intervention techniques used by occupational therapy practitioners. R, W2, M2, 12 (2 lecture and 2 laboratory hours)
Prerequisite: OTA 103 with a minimum grade of C, OTA 104 with a minimum grade of C, OTA 106 with a minimum grade of C and BIO 176 with a minimum grade of C
Corequisite: OTA 200 and OTA 201

OTA 106 Sensory Motor Functions Across the Life Span

- Changed prerequisite to OTA 107, corequisite to OTA 103 and OTA 104, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  Students learn about the various human body systems as they influence sensory and motor function, from the pre-natal period through old age. Implications for occupation throughout the life cycle are addressed. R, W2, M2, 12 (1 lecture hour)
  Prerequisite: OTA 107 with a minimum grade of C
  Corequisite: OTA 103 and OTA 104
  Note: In addition to tuition, this course requires an additional tuition rate of $72 per credit hour.

OTA 200 Occupational Therapy Assistant Clinical Skills

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices and assessment of student learning (March 2013, effective August 1, 2013)

  This course presents problem-based learning cases to allow students to apply the Occupational Therapy Practice Framework to simulated practice situations. Students develop essential clinical reasoning skills and professional behaviors in preparation for participation in Level II Fieldwork. This course also introduces students to equipment and procedures used in health care settings. R, W2, M2, 12 (1 lecture hour and 2 laboratory hours)
  Prerequisite: OTA 103 with a minimum grade of C, OTA 104 with a minimum grade of C, OTA 106 with a minimum grade of C and BIO 176 with a minimum grade of C
  Corequisite: OTA 105 and OTA 201

OTA 201 Occupational Therapy Assistant Theory II

- Changed prerequisite to OTA 103 with a minimum grade of C, OTA 104 with a minimum grade of C and OTA 106 with a minimum grade of C, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices and assessment of student learning (March 2013, effective August 1, 2013)

  Students study the principles and practices of occupational therapy for adults with physical disabilities. Students learn to apply various frames of reference and practice models relevant to occupational therapy for adults with physical disabilities. Additionally, this course presents the pathophysiology, etiology, clinical signs and implications for evaluation and intervention for various conditions seen in adult physical disabilities practice settings. R, W2, M2, 12 (3 lecture hours and 2 laboratory hours)
  Prerequisite: OTA 103 with a minimum grade of C, OTA 104 with a minimum grade of C, OTA 106 with a minimum grade of C and BIO 176 with a minimum grade of C
  Corequisite: OTA 105, OTA 200 and OTA 202
  Note: In addition to tuition, this course requires an additional tuition rate of $72 per credit hour.

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OTA 202 OTA Fieldwork II/ Practicum I

- Changed catalog description, topical outline, student learning outcomes, graded assignments and grading practices methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

    This course is the first in a sequence of three Level II placements; each of these placements provide supervised clinical experience in a different occupational therapy setting. It offers opportunities for occupational therapy assistant students to apply concepts and skills learned in prior and concurrent coursework. Students are expected to participate in all aspects of the occupational therapy process, including intervention planning, intervention implementation and documentation. Students are in a clinical setting for eight hours per day, three days per week. R, W2, M2, 12 (8 laboratory hours)
    Prerequisite: OTA 200 with a grade of C or better
    Corequisite: OTA 105 and OTA 201
    Note: In addition to tuition, this course requires an additional tuition rate of $72 per credit hour.

OTA 203 Occupational Therapy Assistant Theory III

- Changed catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices and assessment of student learning (March 2013, effective August 1, 2013)

    This course covers the principles and practices of occupational therapy in acute care, out-patient and community-based settings. Students will become knowledgaeble about the pathophysiology, etiology, clinical signs, assessment and therapeutic management of pediatric conditions, emphasizing a client-centered and occupation-based approach. R, W2, M2, 12 (3 lecture hours and 2 laboratory hours)
    Prerequisite: OTA 210 with a grade of C or better
    Corequisite: OTA 204 and OTA 205
    Note: In addition to tuition, this course requires an additional tuition rate of $72 per credit hour.

OTA 204 OTA Fieldwork II/Practicum II

- Changed catalog description, topical outline, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

    This course is the second in a sequence of three Level II placements; each of these placements provide supervised clinical experience in a different occupational therapy setting. It offers opportunities for occupational therapy assistant students to apply concepts and skills learned in prior and concurrent coursework. Students are expected to participate in all aspects of the occupational therapy process, including intervention planning, intervention implementation and documentation. Students are in a clinical setting for eight hours per day, three days per week. R, W2, M2, 12 (12 laboratory hours)
    Prerequisite: OTA 202 with a grade of “pass”
    Corequisite: OTA 203
    Note: In addition to tuition, this course requires an additional tuition rate of $72 per credit hour.

OTA 205 OTA Fieldwork II/Practicum III

- Changed catalog description, topical outline, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

    This course is the third in a sequence of three Level II placements; each of these placements provide supervised clinical experience in a different occupational therapy setting. It offers opportunities for occupational therapy assistant students to apply concepts and skills learned in prior and concurrent coursework. Students are expected to participate in all aspects of the occupational therapy process, including

intervention planning, intervention implementation and documentation. Students are in a clinical setting for 8 hours per day, 4 days per week. R, W2, M2, 12 (16 laboratory hours)
Prerequisite: OTA 204 with a minimum grade of pass

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PCN 101 Practical Nursing I

- Changed prerequisite to none, catalog description, topical outline, student learning outcomes, textbooks, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course provides an introduction to the role of the practical nurse as a member of the health care team. The concepts of quality, safety, patient-centered care, evidence-based practice and technology are introduced. Basic therapeutic communication and the nursing process are presented and applied in the clinical setting. Consideration is given to the sociocultural, psychological and physical implications of illness for patients of various age groups with a focus on the adult. Theory, laboratory and clinical practice are correlated to prepare students to provide basic patient care. R, W2, M 12 (3 lecture hours and 10 laboratory hours).
  Corequisite: BIO 175 and EGL 101

PCN 102 Practical Nursing II

- Changed catalog description, topical outline, student learning outcomes, textbooks, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course continues to utilize the nursing process to care for patients with common health problems throughout the lifespan. The concepts of quality, safety, patient-centered care, evidence-based practice, and technology are further developed. Theory, laboratory, and clinical practice are correlated to prepare the student to provide safe, quality nursing care R, W2, M, 12 (3 lecture hours and 10 laboratory hours).
  Prerequisite: PCN 101 with a minimum grade of C
  Corequisite: BIO 176 and PSY 101

PCN 103 Practical Nursing III

- Changed prerequisite to PCN 102 with a minimum grade of C, BIO 176 with a minimum grade of C, PSY 101 and EGL 101, catalog description, topical outline, student learning outcomes, textbooks, classroom policies and procedures, methods of instruction and assessment of student learning (April 2013, effective August 1, 2013)

  This course further utilizes the nursing process with a focus on maternal/child nursing care and patients with mental health issues. Delegation, collaboration, professionalism and prioritization skills are emphasized. Opportunities are provided for supervised clinical experience as a member of the health care team, assuming the role of the practical nurse. R, W2, M 12 (4 lecture hours and 4.5 laboratory hours)
  Prerequisite: PCN 102 with a minimum grade of C, BIO 176 with a minimum grade of C, PSY 101 and EGL 101
  Note: In addition to tuition, this course requires an additional testing fee of $41.

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PHY 201 Physics I

- Changed catalog description, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

This calculus-based course is designed to help fulfill the physics requirements for students pursuing advanced studies in engineering, mathematics or any analytic science. Mechanics constitutes the major part of the material covered. Emphasis is placed on problem-solving and conceptual understanding. R, 11 (3 lecture hours and 3 laboratory hours) IAI: P2 900L
Prerequisite: MAT 131

PHY 202 Physics II

- Changed catalog description, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (March 2013, effective August 1, 2013)

  This calculus-based course is designed to help fulfill the physics requirements for students pursuing advanced studies in engineering, mathematics or any analytic science. Heat, electricity and magnetism constitute the major parts of the material covered. Emphasis is placed on problem-solving and conceptual understanding. 11 (3 lecture hours and 3 laboratory hours) IAI: BIO 904; EGR 912
  Prerequisite: PHY 201 or equivalent

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RCP 129 Clinical Practice II

- Changed prerequisite to RCP 119 with a grade of pass, catalog description, topical outline, student learning outcomes, classroom policies and procedures, methods of instruction and assessment of student learning (January 2014, effective June 1, 2014)

  This course is a documented hands-on patient care experience in a variety of settings using the fundamental skills required of a respiratory care practitioner. It includes supervised clinical practice on basic and advanced respiratory care procedures. Students are in a clinical setting for 144 hours. R, W1, 12 (6 laboratory hours)
  Prerequisite: RCP 119 with a minimum grade of pass
  Corequisite: RCP 121, RCP 122 and RDP 123

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RDG 098 Basic Reading Skills

- Changed graded assignments and grading practices (January 2014, effective June 1, 2014)

RDG 099 Reading/Study Techniques

- Changed graded assignments and grading practices (January 2014, effective June 1, 2014)

RET 220 Basic Appraisal Principles (IL 1-08)

- Withdrew (April 2013, effective – pending ICCB approval)

RET 221 Basic Appraisal Procedures (IL 2-08)

- Withdrew (April 2013, effective – pending ICCB approval)

RET 222 USPAP National Course (IL3-08)

- Withdrew (April 2013, effective – pending ICCB approval)

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SGT 101 Introduction to Surgical Technology

- Change prerequisite to BIO 101 with a minimum grade of C, HLT 109 with a minimum grade of C and acceptance into the Surgical Technology program; corequisite of BIO 175 (April 2013, effective June 1, 2013)

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SPA 204 Introduction to Spanish Literature: Poetry

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

SPA 205 Introduction to Spanish Literature: Drama

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

SPA 207 Conversational Spanish

- Withdrew (January 2014, effective August 1, 2014 – pending ICCB approval)

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SPE 201 Advanced Public Speaking

- Changed prefix to CMN, skill level advisory to writing advisory, catalog description, topical outline, student learning outcomes, textbook, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (October 2013, effective August 1, 2014)

  The advanced public speaking course is designed to develop rhetorical principles and techniques fundamental to all public speaking. Students develop speech composition with an emphasis on writing the spoken word. Students also develop and refine delivery techniques for the professional in today's workforce. W1, 11 (3 lecture hours)
  Prerequisite: CMN 101

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TES 104 Principles of Technology

- Changed topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (September 2013, effective January 1, 2014)

TES 207 Applied Structural Steel

- Changed catalog description, topical outline, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (October 2013, effective January 1, 2014)

  This course presents the fundamentals of steel structure design using various software packages. The basics of strength calculations, framing design and analysis are covered as well. A variety of software packages are used to show the advantages and disadvantages of each for structural steel detailing. 12 (3 lecture hours)

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WEL 101 Basic Metal Arc and Oxyacetylene Welding

- Changed title to Basic Shielded Metal Arc Welding, catalog description, topical outline, student learning outcomes, textbook, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course is designed to provide students with an understanding of arc welding fundamentals, welding safety, arc welding machines, electrode classifications and electrode selection. Students learn skills that are necessary to make high quality shielded metal arc welds in the flat and horizontal positions utilizing single and multiple-pass fillet and groove welds. Students are also introduced to oxyacetylene cutting. (2 lecture hours and 3 laboratory hours)

WEL 102 Welding Blueprint Reading

- Changed prerequisite to enrolled in a WEL course or previous welding experience, catalog description, topical outline, textbook, classroom policies and procedures and graded assignments and grading policies (January 2014, effective August 1, 2014)

  This course develops students' skills used in interpreting drawing and fabrication. Emphasis is placed upon welding symbols, including auxillarly views, sectional views, dimensions, fasteners, material symbols and basic shop math and measurements. Students also perform welds based on the blueprints. (3 lecture hours and 2 laboratory hours)
  Corerequisite: enrolled in a WEL course or previous welding experience

WEL 103 Advanced Metal Arc Welding

- Changed catalog description, topical outline, student learning outcomes, textbooks, classroom policies and procedures, graded assignments and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014)

  This course is designed to provide students with an understanding of advanced arc welding fundamentals, welding safety, arc welding machines, electrode classifications and electrode selection. Students learn skills that are necessary to make high quality shielded metal arc welds in the verticle and overhead positions utilizing single and multiple-pass fillet and groove welds. Students are introduced to plasma arc cutting process. (2 lecture hours and 3 laboratory hours)
  Prerequisite: WEL 101 or equivalent skills
  Note: In addition to tuition, this course requires an additional tuition rate of $25 per credit hour.

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WEL 105 TIG Welding

- Prerequisite to none, catalog description, topical outline, student learning outcomes, graded assignment and grading practices, methods of instruction and assessment of student learning (January 2014, effective August 1, 2014)

  This course is designed to provide students with a basic understanding and application of gas tungsten arc-welding processes. It also provides training to develop the manual skill necessary to make high quality gas tungsten arc welds in all positions on mild steel stainless steel. Students develop hand and eye coordination. They also develop skills necessary to produce high quality welds. 12 (2 lecture hours and 3 laboratory hours)
  Note: In addition to tuition, this course requires a lab fee of $100.

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WEL 299 Special Topics in Welding

- Added (March 2013, effective June 1, 2013)

  This is an in-depth study of different areas of welding, using a variety of methods. Emphasis is placed on student-centered learning, including the use of discussion, projects, problem-solving and performance. Credit is variable (1 to 4 credits) depending on the topic and requirements. It may be lecture, lab or combination. Varies by course, 12 (4 lecture hours and 6 laboratory hours)
  Prerequisite: Varies by course

WVA 101 Local Food Cuisine

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course explores the local food system to better understand opportunities for local food business growth. The course focuses on utilizing local foods to create value-added cuisine for small scale producers such as direct marketing or restaurants. Farmers' market shopping trips and local farm visits help students connect to the local food supply. 12 (1 lecture hour and 2 laboratory hours)

Corequisite: CLA 100 or equivalent experience and CLA 131 or equivalent experience and HSP 107 or equivalent experience

WVA 102 Food Preservation Methods

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course introduces students to the commercial practice of food preservation to make local foods available throughout the year and to make use of seasonal food products, while adding diversity and value to local farm foods. The hands-on portion of the course teaches a variety of preservation methods and techniques that can be used in commercial settings in ways that maintain food safety, flavor and nutrition. The art, science, principles and practices of food preservation are covered. Topics include drying, dehydrating, pickling, canning and more. 12 (1 lecture hour and 2 laboratory hours)

  Corequisites: CLA 100 or equivalent experience and CLA 131 or equivalent experience and HSP 107 or equivalent experience

WVA 103 Fermentation

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course focuses on the principles and practices of fermentation through hands-on food and beverage production of a variety of fermented foods. Students participate in various product tastings to inspire the creation of a potentially marketable handcrafted fermented beverage or food product. Foods used in fermentation processes utilize local, organic and sustainable foods from area farms and growers to create value-added products. 12 (1 lecture hour and 2 laboratory hours)

  Prerequisites: CLA 100 or equivalent experience and CLA 131 or equivalent experience and HSP 107 or equivalent experience

WVA 104 Sauces, Condiments and Dressings

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course focuses on using abundant local foods to create value-added sauces, dressings and condiments. The course experiments with production of different foods and methods of processing while encompassing seasonality and sustainability of products. Foods used in the preparation of sauces, dressings and condiments utilize local, organic and sustainable products from area farmers and growers to create value-added products. 12 (1 lecture hour and 2 laboratory hours)

  Prerequisites: CLA 100 or equivalent experience and CLA 131 or equivalent experience and HSP 107 or equivalent experience

WVA 105 Value-Added Herbs

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course introduces students to a foundational use of herbs for culinary and other healthful purposes. Hands-on application methods for a variety of value-added herbs and herb products are covered. Course includes herbal growing practices and product development for commercial sale which prepares students with seed to market skills. 12 (1 lecture hour and 2 laboratory hours)

  Prerequisite: CLA 100 or equivalent experience and HSP 107 or equivalent experience

WVA 106 Local Food in Institutions

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  This course focuses on utilizing and expanding the availability of local farm foods served in institutional food service operations. This course examine a variety of institutional food service operations to see how organic, local and sustainable foods can be added to these operations to strengthen local food systems and local economies. Operational systems based on menu development are highlighted to show how local and organic foods can be added to many types of institutional food

service operations such as schools, stadiums, government agencies, corporations and hospitals. 12 (1 lecture hour and 2 laboratory hours)
CLA 100 or equivalent experience and CLA 131 or equivalent experience and HSP 107 or equivalent experience

WVA 110 Local Food Regulations

- Added (January 2014, effective August 1, 2014 – pending ICCB approval)

  In this course, students examine the principles, practices and regulations governing and ensuring the safety of local and value-added food product manufacturing. This class focuses on risk assessment and management strategies that help the student to enter the value-added foods marketplace. Students are introduced to applicable local, state and federal regulations as they relate to value-added food products and producers. This course provides students with an overview of the national, state and local food regulations needed for meeting food processing standards and guidelines. Students identify and examine methods that insure best practices and applications for food safety in processing, supply chain and distribution as it relates to Illinois laws and regulations. 12 (1 lecture hour)

Not in catalog

AIT 260 Communications Technologies

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 261 Basic Radio Broadcasting

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 262 Advanced Radio Broadcasting

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 263 Basic Television Production

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 264 Advanced Television Production

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 265 Photography

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 266 Advanced Photography

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 268 Cinematography

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 270 Introduction to Printing

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 271 Typesetting and Layout

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 272 Graphic Arts Photography

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 273 Sheet-Fed Offset Press and Bindery

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)

AIT 274 Advanced Sheet-Fed Offset Press an Bindery

- Withdrew (January 2014, effective June 1, 2014 – pending ICCB approval)