



REND LAKE
COLLEGE

2017-2018

CATALOG

ADDENDUM

BUSINESS

Associate in Applied Science Degree

MATH & SCIENCES DIVISION

This two-year program leads to an Associate in Applied Science Degree in Business with specializations in finance or management. The curriculum is designed to provide students with a general background in all areas of business and to prepare them for careers in the fields of banking, accounting, management or marketing at the mid-management level in a variety of businesses and industries. The curriculum also provides those individuals already in positions in the local workforce the opportunity to upgrade job skills or advancement potential. ► **Total = 64 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> BUSI 1101	Introduction to Business	3
<input type="checkbox"/> BUSI 2102	Customer Service or	
<input type="checkbox"/> OFTC 1234	Communication in Technical Services	3
<input type="checkbox"/> CSCI 1102	Intro to Computers w/ Business Applications	3
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	3
<input type="checkbox"/> MATH 1202	Business Math or	
<input type="checkbox"/> MATH 1201	Technical Math ¹	<u>3</u>
		15
Second Semester		
<input type="checkbox"/> BUSI 2107	Business Communications	3
<input type="checkbox"/> BUSI 2207	Business Organization	3
<input type="checkbox"/> ECON 1101	Intro to Economics	3
<input type="checkbox"/> OFTC 1206	Computerized Accounting w/ QuickBooks	1
<input type="checkbox"/> OFTC 1233	Office Accounting	3
<input type="checkbox"/>	Elective – Core	<u>3</u>
		16
Third Semester		
<input type="checkbox"/> BUSI 2105	Legal / Social Environment of Business	3
<input type="checkbox"/> BUSI 2206	Business Dynamics	3
<input type="checkbox"/> MGMT 2201	Principles of Management	3
<input type="checkbox"/> MRKT 2201	Principles of Marketing	3
<input type="checkbox"/>	Elective – Core	3
<input type="checkbox"/>	Elective – Core	<u>3</u>
		18
Fourth Semester		
<input type="checkbox"/> BUSI 2203	Business Ethics or	
<input type="checkbox"/> PHIL 2104	Ethics	3
<input type="checkbox"/> CSCI 1275	Microsoft PowerPoint	3
<input type="checkbox"/> MGMT 2207	Supervision	3
<input type="checkbox"/>	Elective – Core	3
<input type="checkbox"/>	Elective – Core	<u>3</u>
		15

¹ Prerequisite course(s) may be required based test scores.

BUSINESS MANAGEMENT

Occupational Certificate

MATH & SCIENCES DIVISION

The Business Management certificate program is designed to provide students with a general background in all areas of business and to prepare them for entry-level careers in the fields of banking, accounting, management or marketing in a variety of businesses and industries. The curriculum also provides those individuals already in positions in the local workforce the opportunity to upgrade job skills or advancement potential and aspiring entrepreneurs the skills necessary to grow their own businesses. ► **Total = 16 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> BUSI 1101	Introduction to Business	3
<input type="checkbox"/> BUSI 2102	Customer Service or	
<input type="checkbox"/> OFTC 1234	Communication in Technical Services	3
<input type="checkbox"/> BUSI 2105	Legal and Social Environment	<u>3</u>
		9
Second Semester		
<input type="checkbox"/> ECON 1101	Intro to Economics	3
<input type="checkbox"/> OFTC 1206	Computerized Accounting w/ QuickBooks	1
<input type="checkbox"/> OFTC 1233	Office Accounting	<u>3</u>
		7

BUSINESS MANAGEMENT II

Occupational Certificate

MATH & SCIENCES DIVISION

This two-semester program leads to a certificate in Business Management. The curriculum is designed to provide students with the general background in all areas of business and prepare them for entry-level positions in a variety of businesses and industries. The curriculum also provides those individuals already in positions in the local workforce the opportunity to upgrade job skills or advancement potential. The target audience includes individuals seeking entry-level employment, current employees looking to increase their skill sets or advance, and small business developers. The Business Management II certificate is targeted to focus on the entrepreneurial skilled worker to promote success by increasing communication and math skills necessary to grow their own businesses. ► **Total = 31 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> BUSI 1101	Introduction to Business	3
<input type="checkbox"/> BUSI 2102	Customer Service or	
<input type="checkbox"/> OFTC 1234	Communication in Technical Services	3
<input type="checkbox"/> BUSI 2105	Legal and Social Environment	3
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	3
<input type="checkbox"/> MATH 1202	Business Math or	
<input type="checkbox"/> MATH 1201	Technical Math ¹	<u>3</u>
		15
Second Semester		
<input type="checkbox"/> BUSI 2107	Business Communications	3
<input type="checkbox"/> BUSI 2203	Business Ethics or	
<input type="checkbox"/> PHIL 2104	Ethics	3
<input type="checkbox"/> ECON 1101	Intro to Economics	3
<input type="checkbox"/> MRKT 2201	Principles of Marketing	3
<input type="checkbox"/> OFTC 1206	Computerized Accounting w/ QuickBooks	1
<input type="checkbox"/> OFTC 1233	Office Accounting	<u>3</u>
		16

NOTE THE ADDITION OF **ECE 1208 & ECE 1210** IN SECOND SEMESTER, CHANGE IN TOTAL CREDIT HOURS. EFFECTIVE JUNE 1, 2017.

EARLY CHILDHOOD CERTIFICATE – LEVEL TWO

Occupational Certificate

The Level Two Certificate is designed to lead the early childhood professional to a Level Two Early Childhood Credential through Illinois Gateways to Opportunity. The certificate fulfills the coursework requirements. The student must submit required documentation and fee associated with this credential to Illinois Gateways to Opportunity. ► **Total = 12 18 Hours**

Fall Semester		Cr. Hrs.
<input type="checkbox"/> ECE 1201	Child Development	3
<input type="checkbox"/> ECE 1202	Intro to Early Childhood Education	<u>3</u>
		6
Spring Semester		
<input type="checkbox"/> ECE 1205	Health, Safety and Nutrition	3
<input type="checkbox"/> ECE 1206	Curriculum for Young Children	3
<input type="checkbox"/> ECE 1208	Family / Community / Staff Relations	3
<input type="checkbox"/> ECE 1210	Child Study and Observation	<u>3</u>
		6 12

NOTE THE ADDITION OF **ECE 1208 & ECE 1210** IN SECOND SEMESTER, CHANGE IN PREREQUISITES & CHANGE IN TOTAL CREDIT HOURS. EFFECTIVE APRIL 2017.

TECHNICAL ASSISTANCE CREDENTIAL

Occupational Certificate

The Gateways Technical Assistance (TA) Credential is a credential which is cross-sector and includes all aspects of coaching, mentoring and relationship-based professional development. The TA Credential is a symbol of professional achievement which validates the knowledge and skills, experience and contributions required to a variety of roles which relate to relationship-based professional development in Early Childhood Education. The roles include mentor / consultant in early education and / or school-age practitioners, evidence-based practices coach, professional needs assessor, and supporter of the development needs of children. The certificate coursework encompasses the appropriate topics required by Gateways to ensure alignment to the credentialing standards. ► **Total = 9 16 Hours**

Prerequisites:		
<input type="checkbox"/> PREP 1404	Integrated Reading & Writing	3
<input type="checkbox"/> ENGL 1101	Rhetoric & Composition I (<i>or concurrent enrollment</i>)	3
<input type="checkbox"/> ENGL 1422	Accelerated Learning Program	3
Spring Semester		
<input type="checkbox"/> COMM 1101	Principles of Effective Speaking	3
<input type="checkbox"/> ECE 1208	Family / Community / Staff Relations	3
<input type="checkbox"/> ECE 2202	Center-Based Child Care Management	3
<input type="checkbox"/> ECE 2209	Practicum	4
<input type="checkbox"/> MGMT 2201	Principles of Management	<u>3</u>
		9 16

CURRICULUM INACTIVATED – EFFECTIVE 7/1/2017

CURRICULUM INACTIVATED – EFFECTIVE 7/1/2017

HEALTH CARE COACH

Occupational Certificate

ALLIED HEALTH DIVISION

The Health Care Coach program is a one-semester certificate designed to prepare students to work in the medical field as a health coach. A health coach works under the close mentorship of a group of multidisciplinary health professionals. All curriculum courses must be completed with a grade of "C" or better. ► **Total = 16 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> HEA 1103	Introduction to Nutrition	3
<input type="checkbox"/> HECO 1200	Introduction to Health Care	4
<input type="checkbox"/> HECO 1201	Health Care Psychology	3
<input type="checkbox"/> HECO 1202	Health Care Terminology	3
<input type="checkbox"/> HECO 1203	Community Health Care	<u>3</u>
		16

HOME HEALTH AIDE

Occupational Certificate

ALLIED HEALTH DIVISION

This program is designed to prepare individuals to be home health aides. Home health aides assist in providing routine care and support for home-bound disabled, recovering or elderly people in the patient's home environment. Students will learn the knowledge and skills necessary to provide routine individualized health care such as basic nutrition, home sanitation, infection control, first aid, taking vital signs, personal hygiene, interpersonal communication skills, supervised home management, emergency recognition and referral, geriatric care, and legal and ethical responsibilities. All curriculum courses must be completed with a grade of "C" or better. A criminal history background check and drug screenings are required. ► **Total = 28 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> ALH 1200	Pharmacology	3
<input type="checkbox"/> ALH 1201	Anatomy & Physiology Fundamentals	3
<input type="checkbox"/> CNA 1201	Certified Nurse Assistant	7
<input type="checkbox"/> HECO 1202	Health Care Terminology	<u>3</u>
		16
Second Semester		
<input type="checkbox"/> ALH 1202	Medical Law & Ethics	3
<input type="checkbox"/> COMM 1104	Interpersonal Communications	3
<input type="checkbox"/> HEA 1103	Nutrition	3
<input type="checkbox"/> PSYC 2101	Intro to Psychology	<u>3</u>
		12

MEDICAL ASSISTANT

Associate in Applied Science Degree

ALLIED HEALTH DIVISION

This program is designed to prepare individuals to take the national certification examination and earn the Medical Assistant credential. Medical assistants work under the supervision of physicians in their offices, clinics and other facilities. Medical assistants perform both administrative duties such as scheduling appointments, maintaining medical records and billing, and clinical tasks such as taking and recording vital signs and medical histories, preparing patients for examination, drawing blood and administering medications as directed by a physician. All curriculum courses must be completed with a grade of "C" or better. A criminal history background check and drug screenings are required. ► **Total = 66 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/>	ALH 1202 Medical Law & Ethics	3
<input type="checkbox"/>	CSCI 1102 Intro to Computers w/ Business Applications	3
<input type="checkbox"/>	ENGL 1101 Rhetoric and Composition I ¹	3
<input type="checkbox"/>	HECO 1202 Healthcare Terminology	3
<input type="checkbox"/>	Elective – Humanities / Fine Arts	<u>3</u>
		15
Second Semester		
<input type="checkbox"/>	ALH 1200 Intro to Pharmacology	3
<input type="checkbox"/>	ALH 1201 Anatomy & Physiology Fundamentals	3
<input type="checkbox"/>	CMA 1201 Administrative Aspects	3
<input type="checkbox"/>	CMA 1202 Patient Care I	3
<input type="checkbox"/>	CMA 1203 Billing & Coding	3
<input type="checkbox"/>	COMM 1101 Principles of Effective Speaking	<u>3</u>
		18
Third Semester		
<input type="checkbox"/>	CMA 1204 Professionalism & Safety	3
<input type="checkbox"/>	CMA 1205 Lab Diagnostics	4
<input type="checkbox"/>	CMA 1206 Patient Care II	4
<input type="checkbox"/>	CMA 1207 Practicum	4
<input type="checkbox"/>	PSYC 2101 Introduction to Psychology	<u>3</u>
		18
Fourth Semester		
<input type="checkbox"/>	BUSI 2107 Business Communications	3
<input type="checkbox"/>	HEA 1120 Stress Management	3
<input type="checkbox"/>	HIT 1202 Health Records Systems	3
<input type="checkbox"/>	OFTC 1234 Communication in Technical Services	3
<input type="checkbox"/>	SOCI 1101 Intro to Sociology	<u>3</u>
		15

¹ Prerequisite course(s) may be required based test scores.

MEDICAL ASSISTANT

Occupational Certificate

ALLIED HEALTH DIVISION ► **Total = 36 Hours**

All curriculum courses must be completed with a grade of "C" or better. To continue in the Medical Assistant Certificate program, all courses must be taken in the order outlined in the curriculum.

First Semester		Cr. Hrs.
<input type="checkbox"/>	ALH 1200 Intro to Pharmacology	3
<input type="checkbox"/>	ALH 1201 Anatomy & Physiology Fundamentals	3
<input type="checkbox"/>	CMA 1201 Administrative Aspects	3
<input type="checkbox"/>	CMA 1202 Patient Care I	3
<input type="checkbox"/>	CMA 1203 Billing & Coding	3
<input type="checkbox"/>	HECO 1202 Healthcare Terminology	<u>3</u>
		18
Second Semester		
<i>12-Week Courses</i>		
<input type="checkbox"/>	ALH 1202 Medical Law & Ethics	3
<input type="checkbox"/>	CMA 1204 Professionalism & Safety	3
<input type="checkbox"/>	CMA 1205 Lab Diagnostics	4
<input type="checkbox"/>	CMA 1206 Patient Care II	4
<i>5 week course: After successful completion of all previous courses</i>		
<input type="checkbox"/>	CMA 1207 Practicum	<u>4</u>
		18

MEDICAL LABORATORY TECHNOLOGY

Associate in Applied Science Degree

ALLIED HEALTH DIVISION

— PENDING ICCB APPROVAL – The Medical Laboratory Technician (MLT) is employed in clinical laboratories of hospitals, clinics, physician’s offices and other health care facilities. The MLT performs testing on blood and body fluids under the supervision of a medical technologist and/or pathologist in the areas of hematology, chemistry, blood bank, urinalysis, serology, coagulation and microbiology. The MLT performs maintenance on equipment and instruments, applies basic scientific principles to laboratory techniques and procedures, recognizes factors that affect procedures and relates laboratory findings to common disease processes. In addition, the MLT interacts with physicians and other health care personnel.

— Each Spring Semester, five students from each college are admitted to begin the program the following Fall Semester. Admission requirements include taking the ASSET test for admission to the college and the Psychological Services Bureau (PSB) Health Occupations Aptitude Test – Revised. The PSB is offered at least four times yearly as announced by the college.

— Admission to the program is nondiscriminatory concerning race, creed, color, religion, sex, national origin, and mental or physical handicap. Certain personal and physical attributes are key to success in the profession. These include good general physical health, good vision (with correction), good color vision, good manual dexterity and good problem-solving ability.

— Clinical rotations are required in the second year consisting of two semesters with 240 clockhours in each semester. Clinicals are completed in area hospital laboratories and clinics. Upon completion of program requirements, the student will be eligible to take a certification exam offered by several national agencies.

— Retention of the student in the MLT program requires that the student earn a grade of “C” or better in all MLT and natural science courses (Anatomy and Physiology, Chemistry, Microbiology). Grades lower than “C” are failing. The student must maintain a “C” average or better in all courses required in the MLT curriculum.

— Admission requirements for the Medical Laboratory Technician program are listed under Associate in Applied Science Degree programs. A background check and drug screening test are required. ► **Total = 67 Hours**

— Summer Term		Cr. Hrs.
<input type="checkbox"/> ZOO 1105	Anatomy & Physiology I	4

— First Semester		
<input type="checkbox"/> CHE 1101	General Chemistry I	5
<input type="checkbox"/> MATH 1108	College Algebra ¹	3
<input type="checkbox"/> MLT 1200	Introduction to Clinical Laboratory	3
<input type="checkbox"/> ZOO 1106	Anatomy and Physiology II	4
		15

— Second Semester		
<input type="checkbox"/> CHE 1102	General Chemistry II	5
<input type="checkbox"/> MICR 1101	Basic Microbiology	4
<input type="checkbox"/> MLT 1201	Serology	1.5
<input type="checkbox"/> MLT 1202	Clinical Microscopy ⁴	1.5
<input type="checkbox"/> MLT 1211	Phlebotomy ⁴	3
		15

— Summer Term		
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	3
<input type="checkbox"/> PSYC 2101	Introduction to Psychology ¹	3
		6

— Third Semester		
<input type="checkbox"/> MLT 1210	Clinical Rotation I ³	3
<input type="checkbox"/> MLT 2203	Immunohematology ¹	4
<input type="checkbox"/> MLT 2228	Hematology and Hemostasis	5
		12

— Fourth Semester		
<input type="checkbox"/> COMM 1101	Principles of Effective Speaking	3
<input type="checkbox"/> MLT 2205	Clinical Chemistry ¹	4
<input type="checkbox"/> MLT 2210	Clinical Rotation II ³	3
<input type="checkbox"/> MLT 2229	Applied Clinical Microbiology ¹	5
		15

¹— Prerequisite course(s) may be required based test scores.

²— First 10.5 weeks

³— Last 6.5 weeks

⁴— Pending ICCB approval

OCCUPATIONAL THERAPY ASSISTANT

Associate in Applied Science Degree

ALLIED HEALTH DIVISION

— PENDING ICCB APPROVAL – The OTA courses have both lecture and hands-on laboratory components. Portions of the lecture section of several courses are web-based. During the program, students will develop entry-level competencies necessary to provide services to persons of all ages who have functional loss due to physical, neurological, social/emotional, cognitive or developmental disabilities.

— The profession tailors rehabilitation individually for each client. Through evaluation and treatment, it seeks to restore or improve function in occupational performance. Treatment is provided within the context of the client’s life environments and relationships. Occupation may be defined as the ordinary things people do each day to work, to play and to take care of themselves. Occupational therapy is based on the idea that our personal identity and feeling of value is closely tied to what we are able to do. We all choose many “occupational” roles that are important to us and make us excited to engage in life. When our function becomes impaired, we may lose both our independence and sense of self-worth.

— The practice of OT utilizes the therapeutic use of purposeful and meaningful occupations in treatment, as well as focusing on these occupations as the goal of treatment. OT intervention may include restoration of performance abilities; instruction in compensatory techniques; adaptation of tasks, processes or environments; disability prevention techniques, and health promotion strategies. Occupational therapy assistants, under the supervision of an occupational therapist, will work directly with persons to achieve a maximum level of independent living by developing the capacities that remain after disease, accident or other disability.

— Occupational Therapy serves a diverse population in a variety of settings, such as hospitals, clinics, facilities for rehabilitation, extended and long-term care, sheltered workshops, schools, camps, private homes, physicians’ offices, community programs and private practice.

— A background check and drug screening test are required.
 — Admission requirements are listed under Associate in Applied Science Degree programs. ► **Total = 70 Hours**

— Prerequisite:

<input type="checkbox"/> ZOO 1105	Anatomy & Physiology I	4
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— First Semester **Cr. Hrs.**

<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I [†]	3
<input type="checkbox"/> HECO 1202	Healthcare Terminology	3
<input type="checkbox"/> OTA 1200	Introduction to Occupational Therapy	2
<input type="checkbox"/> OTA 1210	Clinical Observation	2
<input type="checkbox"/> OTA 1231	Disease and Impact on Occupation	3
<input type="checkbox"/> OTA 1232	Occupational Development	1
<input type="checkbox"/> OTA 2210	Occupational Therapy Theory I	4
		<hr/> 18

— Second Semester

<input type="checkbox"/> OTA 1212	Activities of Daily Living	3
<input type="checkbox"/> OTA 1220	Occupational Therapeutic Media	3
<input type="checkbox"/> OTA 1222	Occupational Therapy Group Process	2
<input type="checkbox"/> OTA 1233	Clinical Rotation I	1

<input type="checkbox"/> OTA 2202	Occupational Therapy in Physical Disabilities	3
<input type="checkbox"/> PSYC 2101	Introduction to Psychology	3
<input type="checkbox"/> ZOO 1106	Anatomy and Physiology II	4
		<hr/> 19

— Summer Semester

<input type="checkbox"/> MATH 1111	Statistics [†]	
— MATH 1201	or Technical Mathematics [†]	3
<input type="checkbox"/> COMM 1101	Principles of Effective Speaking	3
		<hr/> 6

— Third Semester

<input type="checkbox"/> OTA 1214	Clinical Rotation II	2
<input type="checkbox"/> OTA 2205	Occupational Therapy in Pediatrics	4
<input type="checkbox"/> OTA 2211	Occupational Therapy Theory II	1.5
<input type="checkbox"/> OTA 2220	Psychosocial Therapy and Practice	3
<input type="checkbox"/> OTA 2232	Aging and Impact of Occupation	1.5
<input type="checkbox"/> PSYC 2102	Child Psychology	3
		<hr/> 15

— Fourth Semester

<input type="checkbox"/> OTA 2217	Fieldwork Experience I [‡]	4.5
<input type="checkbox"/> OTA 2218	Fieldwork Experience II [‡]	4.5
<input type="checkbox"/> OTA 2250	Occupational Therapy Administration	3
		<hr/> 12

[†] Prerequisite course(s) may be required based test scores.

[‡] Fieldwork Experience must be completed within 18 months of academic coursework.

NOTE: Reading course(s) may be required based on results of COMPASS or ASSET scores.

NOTE: OTA students must also demonstrate competency in using a computer, navigating word processing and documentation software, accessing and using Internet search engines and research sites and databases, and communicating to faculty and classmates via email and chat rooms. Assignments will require these skills throughout the program. If the applicant has not had keyboarding skills, it is strongly suggested that a college class or a continuing education course in keyboarding be taken prior to beginning OTA classes. If the applicant has no computer experience, it is also suggested that a beginning continuing education class in basic computer use be taken. Further support will be provided by OTA faculty.

NOTE: Students planning to transfer and pursue an advanced degree should, when given a choice, enroll in the general education course that are IAI GECC approved and articulated with participating institutions.

SURGICAL TECHNOLOGY

Occupational Certificate

ALLIED HEALTH DIVISION

— PENDING ICCB APPROVAL – Upon completion of the program, the technologist will be able to demonstrate entry-level competencies for Surgical Technologists. Graduates of the Surgical Technology program must sit for the National Board Certification Exam for Surgical Technologists. The exam is given one week before completion of the program. Successful completion of this exam confers the title of Certified Surgical Technologist (CST). A background check and drug screening test are required. ► **Total = 42 Hours**

— (Surgical Technology Grade Standards – The student must maintain a “C” average or better in all courses of the Surgical Technology program.)

- Prerequisite: — ZOO 1105 Anatomy and Physiology I (4)
 — or ZOO 1106 Anatomy and Physiology II (4)

— **Summer Term** **Cr. Hrs.**
 ZOO 1105 — Anatomy and Physiology I 4

— **First Semester**
 STP 1215 — Introduction to Surgical Technology 3
 STP 1216 — Principles and Practices of Surgical Technology 6
 STP 1221 — Pharmacology for Health Professions 3
 ZOO 1106 — Anatomy and Physiology II 4

16

— **Second Semester**
 MICR 1101 — Basic Microbiology² 4
 STP 1217 — Surgical Procedures I 5
 STP 1219 — Clinical Rotation I³ 5

14

— **Third Semester**
 STP 1218 — Surgical Procedures II 3
 STP 1220 — Clinical Rotation in Surgical Technology II 5

8

¹— Must be completed by the end of the first semester.

²— Must be completed by the end of the second semester.

³— Student must be certified in Healthcare Provider CPR by October 1.

VETERINARY TECHNOLOGY

Associate in Applied Science Degree

ALLIED HEALTH DIVISION

The Veterinary Technician possesses both administrative and technical skills necessary to assist the veterinarian in all phases of medicine and surgery for small, large, exotic and lab animals. Technicians typically conduct clinical work in a private practice under the supervision of a veterinarian – often performing various medical tests (urinalysis, blood counts, tissue samples) along with treating and diagnosing medical conditions and diseases in animals. Veterinary Technicians assisting small-animal practitioners usually care for companion animals, such as cats and dogs, but can perform a variety of duties with mice, rats, sheep, pigs, cattle, monkeys, birds, fish and frogs. The Veterinary Technician plays an important role in client education, grief counseling and public relations.

The program curriculum covers small and large animal breeds, nutrition and husbandry, veterinary terminology, legal issues and office management, parasitology, surgical nursing, veterinary pharmacology, anesthesiology, emergency care and clinical pathology. Students benefit from theoretical-based classroom learning, as well as extensive hands-on experience through practicums at a variety of veterinary facilities. Additional job opportunities include working in animal shelters, zoos, medical research laboratories and private industry.

Admission requirements are listed under Associate in Applied Science Degree programs. ► **Total = 67 Hours**

Fall Semester		Cr. Hrs.
<input type="checkbox"/> MATH 1111	Statistics [†]	
<input type="checkbox"/> MATH 1107	or Contemporary College Math [†]	
<input type="checkbox"/> MATH 1201	or Technical Mathematics [†]	3
<input type="checkbox"/> MICR 1101	Basic Microbiology	4
<input type="checkbox"/> VET 1210	Small Animal Nursing I	3
<input type="checkbox"/> VET 1212	Animal Anatomy and Physiology I	4
<input type="checkbox"/> VET 1217	Animal Radiography	2
<input type="checkbox"/> VET 1218	Veterinary Practice Management	2
		18

Spring Semester		
<input type="checkbox"/> VET 1211	Small Animal Nursing II	3
<input type="checkbox"/> VET 1213	Animal Anatomy and Physiology II	3
<input type="checkbox"/> VET 1216	Large Animal Nursing	3
<input type="checkbox"/> VET 1219	Animal Clinical Lab I	3
<input type="checkbox"/> VET 1233	Animal Surgical Tech I	3
<input type="checkbox"/> VET 1238	Animal Pharmacology I	2
		17

Summer Term		
<input type="checkbox"/> VET 2231	Veterinary Technology Internship I	3

Fall Semester		
<input type="checkbox"/> COMM 1101	Principles of Effective Speaking [†]	3
<input type="checkbox"/> VET 2219	Animal Clinical Lab II	3
<input type="checkbox"/> VET 2233	Animal Surgical Tech II	3
<input type="checkbox"/> VET 2238	Animal Pharmacology II	2
<input type="checkbox"/> VET 2239	Animal Diseases	2
<input type="checkbox"/>	Elective – Social Science (IAI Approved)	3
		16

Spring Semester

<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I [†]	3
<input type="checkbox"/> VET 2232	Veterinary Technology Internship II	4
<input type="checkbox"/> VET 2235	Lab Animals / Exotics	3
<input type="checkbox"/> VET 2236	Animal Management / Nutrition	3
		13

NOTE: Students planning to transfer and pursue a baccalaureate degree, should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

NOTE: All courses require a grade of "C" or better.

[†] – Prerequisite course(s) may be required based test scores.

NEW CERTIFICATE – EFFECTIVE 4/1/2017

VETERINARY ASSISTANT

Occupational Certificate

ALLIED HEALTH DIVISION

The Veterinary Assistant certificate program prepares students with the knowledge and skills needed for a career working with animals in a variety of settings such as veterinary clinics, boarding kennels, grooming salons, pet shops and animal shelters. ► **Total 17 hours**

Fall Semester		Cr. Hrs.
<input type="checkbox"/> OFTC 1234	Communication in Technical Services	3
<input type="checkbox"/> VET 1210	Small Animal Nursing I	3
<input type="checkbox"/> VET 1214	Animal Grooming	3
<input type="checkbox"/> VET 1215	Veterinary Practice Management	2
<input type="checkbox"/> VET 1218	Animal Facilities Management	3
<input type="checkbox"/> VET 2231	Veterinary Technology Internship I	3
		17

NOTE CHANGE IN TOTAL CREDIT HOURS, CHANGE IN PHARMACOLOGY CREDIT HOURS, & ADDITION OF COURSES IN THIRD AND FOURTH SEMESTERS – EFFECTIVE 1/1/2018

NURSING

Associate in Applied Science Degree

ALLIED HEALTH DIVISION

The Nursing program is designed to provide a career mobility path for individuals interested in health care. The curriculum is a concept-based method of instruction emphasizing critical thinking, problem solving, decision making, clinical reasoning and nursing judgment. Graduates will be prepared to practice professional nursing in a variety of health care settings.

Students must achieve a grade of “C” or better in each course, as well as demonstrate competency in dosage calculations and math skills. The Illinois Department of Financial and Professional Regulation approves this program. Upon graduation, the student is eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Students who prefer to test out at the practical nurse level may do so after completing the first two semesters of listed coursework and then completing NURS 1212 – Practical Nurse Role Development (4 credit hours). ► **Total = 64-65 Hours**

PREREQUISITES

ENGL 1101 Rhetoric and Composition I ¹ 3

Competency in math (see admission requirements)

A criminal history background check & drug testing are required.

NURSING COURSES

Each course in the curriculum must be completed with a grade of “C” or better to meet program requirements.

First Semester	Cr. Hrs.
<input type="checkbox"/> NURS 1200 Intro to Health Concepts	4
<input type="checkbox"/> NURS 1201 Intro to Health Concepts Clinical	1
<input type="checkbox"/> NURS 1202 Health – Illness Concepts	4
<input type="checkbox"/> NURS 1203 Health – Illness Concepts Clinical	2
<input type="checkbox"/> NURS 1204 Tools for Nursing Education	2
<input type="checkbox"/> ZOO 1105 Anatomy & Physiology I ^{1,2}	<u>4</u>
	17
Second Semester	
<input type="checkbox"/> NURS 1205 Family Health Concepts	3
<input type="checkbox"/> NURS 1206 Family Health Concepts Clinical	2
<input type="checkbox"/> NURS 1207 Holistic Health Concepts	3
<input type="checkbox"/> NURS 1208 Holistic Health Concepts Clinical	2
<input type="checkbox"/> NURS 1209 Pharmacology	4 2
<input type="checkbox"/> ZOO 1106 Anatomy & Physiology II ^{1,2}	<u>4</u>
	18 16
Third Semester	
<input type="checkbox"/> MICR 1101 Basic Microbiology ²	4
<input type="checkbox"/> MICR 1111 or Microbiology ²	5
<input type="checkbox"/> NURS 1214 Medications in Nursing	2
<input type="checkbox"/> NURS 2212 Health Care Concepts	3
<input type="checkbox"/> NURS 2213 Health Care Concepts Clinical	2
<input type="checkbox"/> NURS 2214 Health Systems Concepts	3
<input type="checkbox"/> NURS 2215 Health Systems Concepts Clinical	<u>2</u>
	14-15 16-17
Fourth Semester	
<input type="checkbox"/> NURS 2201 Registered Nurse Review Course	2
<input type="checkbox"/> NURS 2216 Complex Health Concepts	6
<input type="checkbox"/> NURS 2217 Complex Health Concepts Clinical	6 4
<input type="checkbox"/> PSYC 2101 Intro to Psychology	
<input type="checkbox"/> HECO 1201 or Healthcare Psychology	<u>3</u>
	15

¹ Prerequisite course(s) may be required based on test scores.

² ZOO 1105 & 1106 and MICR 1101 or 1111 must have been completed within the last five years.

CHANGE IN COURSE PREFIX – EFFECTIVE 9/14/2017

HORT AGRI 1213 – Pest Management (3)

A study of the identification and control of insects and diseases that attack horticultural plants. Emphasis is placed on control (cultural and chemical) and application procedures, including machinery. Integrated pest management practices are discussed. Lecture 2 hours. Lab 2 hours.

CHANGE IN CREDIT HOURS, LECTURE HOURS – EFFECTIVE 12/7/2017

COSM 1201 – Barber / Cosmetology Theory I (5 3)

Corequisite: COSM 1202

This course will introduce the student to the basic principles of barbering/cosmetology covering such topics as professional ethics, personal and professional health, physical presentation, personality development, effective communication skills, bacteriology, decontamination and infection control, anatomy and physiology, properties of the hair, scalp, nail care, the skin and its disorders. Also covered will be hair design, shampooing, rinsing and conditioning, as well as women's hair styling, hair structure, scalp and hair disorders women's hair cutting, hair coloring, lightening and hair texture. Lecture 5 3 hours.

CHANGE IN CREDIT HOURS, LAB HOURS – EFFECTIVE 12/7/2017

COSM 1202 – Barber / Cosmetology Clinic I (4 6 2)

Corequisite: COSM 1201

Students will study demonstrate draping, shampooing, rinsing, conditioning, scalp hair care, hair styling, and thermal hair styling and facials. Hands-on learning will include basic shampooing, hair design techniques, hair styling, the theory of scalp massage, and infection control practices as a salon professional. Students will exchange barbering / cosmetology services on each other and perfect barbering / cosmetology skills on a mannequin. Each student is responsible for sanitation duties to be practiced in the clinic as required by the Illinois Department of Professional Regulation. Instructors will demonstrate basic hair design techniques, manicuring, women's hairstyling, hair cutting, hair coloring, hair lightening and the theory of scalp massage. Students will exchange barbering/cosmetology services on each other and perfect barbering/cosmetology skills on a mannequin. Lab 32 14 hours.

CHANGE IN CREDIT HOURS, LECTURE HOURS – EFFECTIVE 12/7/2017

COSM 1203 – Cosmetology Theory II (5 2)

Prerequisites: COSM 1201 1226 and COSM 1202 1227 or consent of Dean

Corequisite: COSM 1204

This course will provide the student with an understanding of beauty techniques such as manicuring, pedicuring, nail care, hair removal, facials and facial makeup and the skin structure and its disorders. general understanding of the principles of chemistry and electricity as applied to beauty science and advanced beauty techniques such as braiding, extensions, wigs, hair enhancement, chemical texturing, hair coloring, hair removal, facial makeup and advanced nail techniques. Also included will be the principles of the business of cosmetology. Lecture 5 2 hours.

CHANGE IN PREREQUISITES, CREDIT HOURS, COURSE DESCRIPTION, LAB HOURS – EFFECTIVE 12/7/2017

COSM 1204 – Cosmetology Clinic II (4 6 8)

Prerequisites: COSM 1201 1226 and COSM 1202 1227 or consent of Dean

Corequisite: COSM 1203

Hands-on learning will include basic manicuring, pedicuring, nail care, facials, and hair removal. Students will exchange barbering / cosmetology services on each other and perfect barbering / cosmetology skills on a mannequin. Each student is responsible for sanitation duties to be practiced in the clinic as required by the Illinois Department of Professional Regulation. This course is a continuation of the previous course, with the additional study of braiding and braid extension, wig and hair enhancements, chemical texturing, hair coloring techniques, hair removal techniques, facial makeup and advanced nail techniques. Students will exchange cosmetology services on each other, mannequins and clients in the clinic. Lab 32 16 hours.

CHANGE IN CREDIT HOURS, PREREQUISITES, COREQUISITES, COURSE DESCRIPTION, LAB HOURS – EFFECTIVE 12/7/2017

COSM 1205 – Barber / Cosmetology Clinic III (4 6 8)

Prerequisites: COSM 1203 1228 and 1204 1229 or COSM 1207 1231 and 1208 1232, or consent of Dean

Corequisite: COSM 1230

Students will exchange barbering / cosmetology services on each other and perfect barbering / cosmetology skills on a mannequin. Each student is responsible for sanitation duties to be practiced in the clinic as required by

the Illinois Department of Professional Regulation. This course is designed as a review and to practice skill areas taught in previous courses. Students will study state board preparation, licensing law, on the job training, and barbershop / cosmetology business. Students will practice skills on each other and clients during clinic time. Each student is responsible for sanitation duties to be practiced in the clinic as required by the Illinois Department of Professional Regulations. Lab 16 hours.

CHANGE IN PREREQUISITES, COURSE DESCRIPTION – EFFECTIVE 12/7/2017

COSM 1206 – Barber / Cosmetology Internship (1)

Prerequisites: COSM 1201/1202, COSM 1226/1227, COSM 1203/1204, COSM 1228/1229, COSM 1207/1208, COSM 1231/1232, COSM 1230/1205, BUSI 1202, or consent of Dean & 1,350 contact hours

This course will develop and refine students' skills and professionalism. It will provide the student with on-the-job experience through observations in a professional salon or barbershop. The learning experience will be supervised by the employer or mentor with site visits by college coordinator. Lab 5 hours.

CHANGE IN PREREQUISITES, CREDIT HOURS, COURSE DESCRIPTION, LAB HOURS – EFFECTIVE 12/7/2017

COSM 1207 – Barber Theory II (5 2)

Prerequisites: COSM 1201 1226 and COSM 1202 1227 or consent of Dean

Corequisite: COSM 1208

This course will provide the student with a general understanding of the principles of chemistry and electricity as applied to the science of barbering and professional barbering such as techniques of men's hair cutting and styling, facial shaving and facial design treatments, and the skin structure and its disorders. men's hair replacement, and men's facial treatments. Lecture 5 2 hours.

CHANGE IN PREREQUISITES, CREDIT HOURS, COURSE DESCRIPTION, LAB HOURS – EFFECTIVE 12/7/2017

COSM 1208 – Barber Clinic II (4 6 8)

Prerequisites: COSM 1201 1226 and COSM 1202 1227 or consent of Dean

Corequisite: COSM 1207

Hands-on learning will include basic men's haircutting and hairstyling. Students will practice pre-service, service and post-service procedures, apply infection control practices, identify the layers of the skin and skin disorders, and practice and demonstrate facials and facial shaving. Students will exchange barbering / cosmetology services on each other and perfect barbering / cosmetology skills on a mannequin. This course is a continuation of the previous course with a general understanding of the principles of chemistry and electricity as applied to the science of barbering and professional barbering such as men's hair cutting and styling, shaving and facial design, men's hair replacement, men's facial treatments. Students will exchange barbering services on each other, mannequins and clients in the clinic. Lab 32 16 hours.

NEW CLASS – EFFECTIVE 12/7/2017

COSM 1226 – Barber / Cosmetology Theory I-A (3)

Prerequisite: COSM 1201 & 1202 or consent of Dean

Corequisite: COSM 1227

This course will introduce the student to the basic principles of barbering / cosmetology, covering effective client consultation for haircutting, basic haircutting techniques, types of hair color, hair coloring techniques, and hair lightening. Also covered will be permanent waving and chemical hair relaxers. Lecture 3 hours.

NEW CLASS – EFFECTIVE 12/7/2017

COSM 1227 – Barber / Cosmetology Clinic I-A (7)

Prerequisite: COSM 1201 & 1202 or consent of Dean

Corequisite: COSM 1226

Hands-on learning will include haircutting, hair color application, hair lightening techniques and permanent waves. Practice pre-service, service and post-service procedures. Apply infection control practices as a salon professional. Each student is responsible for sanitation duties to be practiced in the clinic as required by the Illinois Department of Professional Regulation. Students will exchange barbering / cosmetology services on each other and perfect barbering / cosmetology skills on a mannequin. Lab 14 hours.

NEW CLASS – EFFECTIVE 12/7/2017

COSM 1228 – Barber / Cosmetology Theory II-A (2)

Prerequisite: COSM 1203 & 1204 or consent of Dean

Corequisite: COSM 1229

This course will provide the student with an understanding of nail enhancement techniques such as nail tips and wraps, acrylic nails, and hair

braiding. Introduce the basics of electricity, chemistry, communication and cosmetology history. Lecture 2 hours.

NEW CLASS – EFFECTIVE 12/7/2017

COSM 1229 – Barber / Cosmetology Clinic II-A (8)

Prerequisite: COSM 1203 & 1204 or consent of Dean

Corequisite: COSM 1228

Hands-on learning will include application of nail tips and procedure for nail enhancement. Practice pre-service, service and post-service procedures. Practice and demonstrate hair braiding. Students will exchange barbering / cosmetology services on each other and perfect barbering / cosmetology skills on a mannequin. Each student is responsible for sanitation duties to be practiced in the clinic as required by the Illinois Department of Professional Regulation. Lab 16 hours.

NEW CLASS – EFFECTIVE 12/7/2017

COSM 1230 – Barber / Cosmetology Theory III (1)

Prerequisite: COSM 1228 & 1229 or COSM 1231 & 1232 or consent of Dean

Corequisite: COSM 1205

Career and employment preparation. This course will provide the student with an understanding of preparing for licensure, on-the-job training and salon / shop business. Lecture 1 hour.

NEW CLASS – EFFECTIVE 12/7/2017

COSM 1231 – Barber Theory II-A (2)

Prerequisite: COSM 1207 & 1208 or consent of Dean

Corequisite: COSM 1232

This course will provide the student with an understanding of nail disorders, diseases and manicuring, as well as electricity, general anatomy, basic chemistry, and anatomy and physiology. Lecture 2 hours.

NEW CLASS – EFFECTIVE 12/7/2017

COSM 1232 – Barber Clinic II-A (8)

Prerequisite: COSM 1207 & 1208 or consent of Dean

Corequisite: COSM 1231

Hands-on learning will include manicure table setup, hand massage and procedure for manicuring. Practice pre-service, service and post-service procedures. Practice and demonstrate hair braiding. Students will exchange barbering / cosmetology services on each other and perfect barbering / cosmetology skills on a mannequin. Each student is responsible for sanitation duties to be practiced in the clinic as required by the Illinois Department of Professional Regulation. Lab 16 hours.

NEW CLASS – EFFECTIVE 6/1/2017

CRJS 1209 – Law Enforcement Scenarios (3)

Prerequisite: Signed waiver of liability

This course will provide realistic scenario-based training for students interested in learning the skills necessary to use proper judgment while handling some of the more common types of law enforcement incidents an officer might face during his or her career. Lecture 2 hours. Lab 2 hours.

CHANGE IN COURSE TITLE – EFFECTIVE 6/1/2017

CSCI 2104 – Advanced Programming Data Structures (4)

Prerequisite: CSCI 1104

This course is a continuation of CSCI 1104. Emphasis will be on block-structured programming style and advanced features of the JAVA™/C++ language, including, but not limited to: object-oriented programming data structures, sorting and searching algorithms. Lecture 4 hours. ▶ IAI ~ CS 912

NEW CLASS – EFFECTIVE 2/1/2017

ECON 1101 – Introduction to Economics (3)

Prerequisite: ENGL 1411 (Accelerated Learning Program) or equivalent placement, or concurrent enrollment

Introduction to national income theories, price theories and behavior of the firm under varying economic conditions. Includes the economic roles of business, government and households; economic fluctuations and growth; money and banking; and international economics. Lecture 3 hours. ▶ IAI S3 900

CHANGE IN COURSE NUMBER – EFFECTIVE 1/9/2017

EDUC ~~1102~~ 1200 – Tutor Training (2)

This course is designed to provide students with awareness of literacy challenges and the opportunity to develop tutoring skills and techniques that enable student achievement. Students will learn effective means of providing quality tutoring services to those in grades K-8. Lecture 2 hours.

CHANGE IN COURSE NUMBER – EFFECTIVE 1/9/2017

INDP ~~1101~~ 1200 (1-4)

Prerequisite: Consent of the instructor and Dean

Courses designed for students desiring a specialized study not available in regular offerings. Projects must be planned jointly by the student and instructor. Maximum credit allowed is four semester hours. Lab ratio is one hour of credit for two hours of lab work.

CHANGE IN CREDIT & LECTURE HOURS – EFFECTIVE 6/1/2017

MATH 1408 – Math for Health Occupations (65)

Prerequisite: MATH 1401 with a “C” or better or equivalent placement and Allied Health major

A course intended to serve as a bridge for students in the health field who need an intense study of the fundamental processes in arithmetic and algebra in order to prepare for the college credit classes in their field. Topics will include whole numbers, fractions, decimals, percents, algebraic operations, signed numbers, simple equations, proportions and special products. Lecture 5 4 hours. Lab 2 hours.

CHANGE IN CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

NURS 1209 – Pharmacology (4 2)

Prerequisites: NURS 1200, NURS 1201, NURS 1202, NURS 1203, NURS 1204

Emphasizes nursing responsibilities related to pharmacologic and non-pharmacologic therapies for health promotion. This course will synthesize pharmacological concepts including an overview of the history of drugs along with current issues. Pharmacotherapeutics, pharmacodynamics, pharmacokinetics, contraindications and precautions for prototype drugs for multiple body systems will be discussed. Major emphasis will be placed on nursing management practices as well as adverse drug reactions and drug use in special populations. Lecture 4 2 hours.

NEW COURSE – EFFECTIVE 1/1/2018

NURS 1214 – Medications in Nursing (2)

Prerequisites: NURS 1200, NURS 1201, NURS 1202, NURS 1203, NURS 1204, NURS 1205, NURS 1206, NURS 1207, NURS 1208 and NURS 1209

This course emphasizes nursing responsibilities related to medications for health promotion. This course will discuss contraindications and precautions for prototype drugs for multiple body systems. Major emphasis will be placed on nursing management practices as well as adverse drug reactions and drug use in special populations. This course will present current issues and nursing implications related to medications for serious illnesses. Lecture 2 hours.

NEW COURSE – EFFECTIVE 1/1/2018

NURS 2201 – Registered Nurse Review Course (2)

Prerequisites: NURS 2212, NURS 2213, NURS 2214 & NURS 2215

This course provides a comprehensive review of nursing content needed to take the National Council Licensure Exam for Registered Nurses (NCLEX-RN). This course review knowledge, skills, concepts and attitudes essential for the safe and effective practice of nursing at the entry level for the registered nurse. Situations are given to review application and analysis of nursing knowledge. The nursing process and client needs are addressed in health care situations that registered nurses commonly encounter. Strategies for managing test anxiety are discussed. Computer adaptive testing is reviewed as the technology for the NCLEX-RN. Lecture 2 hours.

CHANGE IN CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

NURS 2217 – Complex Health Concepts Clinical (6 4)

Prerequisites: NURS 2212, NURS 2213, NURS 2214, NURS 2215, PSYC 2101 or HECO 1201

This course is designed to assimilate the concepts within the three domains of the individual, health care, and nursing. Emphasis is placed on the concepts of fluid / electrolytes, metabolism, perfusion, mobility, stress / coping, violence, health-wellness-illness, professional behaviors, caring interventions, managing care, health care systems, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry-level nursing care. Clinical hours are incorporated into this course to enhance the knowledge achieved. Lab ~~8~~ 8 hours (32 clinical hours = 2 lab hours):

CHANGE IN REPEATABILITY, CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

PYED 1103 – Golf (-5-3 1)

Develops skills, knowledge, attitudes and conditions essential to playing golf. Activity 3 hours per week first 11 weeks of fall semester; last 11 weeks of spring semester. Lab 1-6 2 hours. (Repeatable – 3 2 times)

CHANGE IN REPEATABILITY, CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

PYED 1104 – Basketball (5-4 1)

Develops skills, knowledge, attitudes and conditions necessary for playing basketball. Lab 1-8 2 hours. (Repeatable – 3 2 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1105 – Weight Conditioning (5-1)

Offers instruction and practice in proper techniques of the development of muscular strength, endurance and flexibility. Emphasis placed on application of scientific principles and methods used to build, improve and maintain proper muscular fitness through a variety of exercise options. Lab 1-2 hours. (Repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

PYED 1106 – Tennis (5-3 1)

Develops skills, knowledge and attitudes essential to playing tennis. Activity 3 hours per week first 11 weeks of fall semester; last 11 weeks of spring semester. Lab 1-6 2 hours. (Repeatable – 3 2 times)

CHANGE IN REPEATABILITY, CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

PYED 1107 – Volleyball (5-4 1)

Develops skills, knowledge and attitudes essential to those interested in playing volleyball. Lab 1-8 2 hours. (Repeatable – 3 2 times)

CHANGE IN REPEATABILITY, CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

PYED 1108 – Baseball (5-4 1)

Develops skills, knowledge, attitudes and conditions necessary for playing baseball. Lab 1-8 2 hours. (Repeatable – 3 2 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1118 – Aerobics ~ Individualized Fitness Program (5-1)

An introductory course in Aerobics as an individualized fitness program, with emphasis on safe, physical participation, including an evaluation of individual progress and a study of the concepts involved. Lab 1-2 hours. (Repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS & LAB HOURS – EFFECTIVE 8/1/2017

PYED 1128 – Softball (5-4 1)

Develops skills, knowledge and attitudes essential for playing softball. Lab 1-8 2 hours. (Repeatable – 3 2 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1136 – Aerobics II (5-1)

Prerequisite: PYED 1118

An intermediate course in Aerobics as an individualized fitness program, with emphasis on safe, physical participation including an evaluation of individual progress and a study of the concepts involved. Lab 2 hours. (Repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1143 – Weight Conditioning II (5-1)

Prerequisite: PYED 1105

Intermediate weight conditioning continues the instruction and practice in proper techniques of the development of muscular strength, endurance, and flexibility. Emphasis is placed on the application of the scientific principles and methods used to build, improve, and maintain proper muscular fitness through a variety of exercise options. Included in the course are body composition, nutrition information, and various avenues for attaining cardiovascular health and fitness. Lab 1-2 hours. (Repeatable – 3 times)

CHANGE IN REPEATABILITY – EFFECTIVE 9/1/2017

PYED 1144 – Weight Training I (1.5)

Weight training offers classroom instruction in basic strength training principles and practice in the proper techniques for the development of muscular strength, endurance, and flexibility. Instruction will emphasize the application of scientific principles and methods used to build, improve, and maintain proper muscular fitness, body composition and nutritional information. Lecture .5 hour. Lab 2 hours. (Repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1160 – Aerobic Super-Circuit Fitness Center I (5-4 1)

(Individualized) Introduction to and participation in a multi-station aerobic super-circuit utilizing sub-maximal weights with multiple repetitions.

After cardiovascular and other physiological testing, students will be provided opportunities to increase cardiovascular efficiency, improve muscle tone and reduce percent of body fat by rotating through a 23-station circuit, going from a stationary bike to Universal equipment every 30 seconds. May be taken for a letter grade or pass-fail; that determination must be made at the time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 2 hours. (Sequence Repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1165 – Aerobic Super-Circuit Fitness Center II (5-4 1)

Prerequisite: PYED 1160

(Individualized) A continuation of Aerobic Super-Circuit Fitness Center I. It is for those students desiring to continue to benefit from Universal super-circuit workouts. May be taken for a letter grade or pass-fail, but that determination must be made at the time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 1-8 2 hours. (Sequence Repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1170 – Aerobic Super-Circuit Fitness Center III (5-4 1)

Prerequisite: PYED 1165

(Individualized) A continuation of PYED 1165. It is for those students who wish to continue their physical fitness and aerobic improvement in the super-circuit fitness center. May be taken for a letter grade or pass-fail, but that determination must be made at time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 1-8 2 hours. (Sequence repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1175 – Aerobic Super-Circuit Fitness Center IV (5-4 1)

Prerequisite: PYED 1170

(Individualized) A continuation of Aerobic Super-Circuit Fitness Center III. This course is intended to provide an opportunity for students to continue participation in the multi-station aerobic super-circuit fitness center. May be taken for a letter grade or pass-fail, but that determination must be made at the time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 1-8 2 hours. (Sequence repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1180 – Aquatic Aerobic Fitness I (5-4 1)

Required: Orientation/Testing Session

(Individualized) After the orientation and physiological testing, the student will be given a printout of the test results and a proposed workout schedule that will provide opportunities to increase cardiovascular efficiency, improve muscle tone and reduce the percent of body fat by engaging in a multi-station water aerobic circuit and lap swimming. Workouts may be conducted any time the pool is open. It may be taken for a letter grade or pass-fail, but that determination must be made at the time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 1-8 2 hours. (Sequence repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1185 – Aquatic Aerobic Fitness II (5-4 1)

Prerequisite: PYED 1180

(Individualized) A continuation of PYED 1180, this course is for students desiring to continue to benefit from the multi-station water aerobic circuit and lap swimming. Workouts may be conducted any time the pool is open. It may be taken for a letter grade or pass-fail, but that determination must be made at the time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 1-8 2 hours. (Sequence repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1190 – Aquatic Aerobic Fitness III (5-4 1)

Prerequisite: PYED 1185

(Individualized) A continuation of PYED 1185, this course is for students wishing to continue their physical fitness and aerobic improvement from the multi-station water aerobic circuit and lap swimming. Workouts may be conducted any time the pool is open. It may be taken for a letter grade or pass-fail, but that determination must be made at the time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 1-8 2 hours. (Sequence repeatable – 3 times)

CHANGE IN REPEATABILITY, CREDIT HOURS, LAB HOURS – EFFECTIVE 9/1/2017

PYED 1195 – Aquatic Aerobic Fitness IV (~~5~~ 4 1)

Prerequisite: PYED 1190

(Individualized) A continuation of PYED 1190, this course is intended to provide an opportunity for students to continue participation in the multi-station water aerobic circuit and lap swimming. Workouts may be conducted any time the pool is open. It may be taken for a letter grade or pass-fail, but that must be determined at the time of registration and may not be changed. Orientation session to be scheduled with instructor during the first week of classes each semester. Lab 1-8 2 hours. (Sequence repeatable=3 times)

NEW CLASS – EFFECTIVE 6/30/2017

UAS 1204 – Advanced Flight, Nature Videography (3)

Prerequisite: CSCI 1101 and FFA Commercial UAS License or completion of UAS 1202.

This course will cover advanced UAS flying techniques, including various autonomous flight applications and strategies to deal with challenges in capturing video and stills. This course will address safety concerns when flying in and around controlled airspace. This course will also focus on developing skills in videography. Lecture 2 hours. Lab 2 hours.

NEW CLASS – EFFECTIVE 6/30/2017

UAS 1205 – Videography Production (3)

Prerequisite: CSCI 1101 and FFA Commercial UAS License or completion of UAS 1202.

This course will cover basic and intermediate instruction and hands-on video editing training of Adobe Premiere Elements 15. Students will take raw video with their drones and learn how to turn the footage into professional-looking movies, complete with audio, title and other text, transitions, color and lighting adjustments and removal of unwanted clips. Lecture 1 hour. Lab 4 hours.

NEW CLASS – EFFECTIVE 6/1/2017

VET 1214 – Animal Grooming (3)

This course provides basic knowledge of animal grooming. Basic canine anatomy, coat and skin disorders, animal behavior, safe handling and restraining, and grooming tools and techniques will be included. Grooming standards for specific breeds as well as grooming and clipping techniques for thinning, cutting and styling each one is covered, as well as creative grooming for mixed breeds. Lecture 2 hours. Lab 2 hours.

NEW CLASS – EFFECTIVE 6/1/2017

VET 1215 – Animal Facilities Management (3)

This course is designed to introduce the principles and processes involved with housing and caring for animals as part of a business model. In addition, students will be familiarized with other aspects of owning and operating a variety of animal-related businesses, including grooming salons, retail businesses, boarding facilities and shelters. Areas to be addressed include location, zoning, licensure, interior and exterior design, pricing, hiring, equipment and client relations. Lecture 3 hours.

CHANGE IN PREREQUISITES

WCT 2200 – Voice Over IP (4)

Prerequisites: CNS 1210 & CNS 1221 or consent of instructor

This course investigates Voice Over IP (VoIP) technology. Standards, similarities and differences between traditional telephone networks and IP telephony, call set-up, equipment selection and installation also will be covered. Students will have the opportunity to work on functional VoIP equipment. The course will offer a balance of lecture and lab experiments. Lecture 3 hours. Lab 4 hours.

ADDED PREREQUISITE

WCT 2260 – Wireless LAN / WAN (4)

Prerequisite: CNS 1210

This course investigates wireless networking technology. Planning, designing, installing and configuring wireless networks will be covered. Coverage of IEEE 802.11b/a/g/n implementation, security and troubleshooting also will be addressed. The course will offer a balance of lecture and lab experiments. Lecture 3 hours. Lab 2 hours.

PREREQUISITE ADDED – EFFECTIVE 1/12/2017

WELD 1272 – Structural Shielded Metal Arc Welding (4)

Prerequisite: WELD 1270 or consent of instructor.

Concentrated instruction in the use of different welding electrodes, electrode identification, electrode storage and basic welding symbols. The course provides

practical applications of AC/DC theory in the area of fillet joints in the vertical up and overhead positions. Lecture 2 hours. Lab 4 hours.

PREREQUISITE MODIFIED – EFFECTIVE 1/12/2017

WELD 2262 – Pipe Welding I (4)

Prerequisite: WELD 1272, WELD 2275 or consent of the instructor

This course is designed to familiarize the student with procedures for welding various size pipe in the 2G and 5G pipe positions, using E-6010 and E-7018 electrodes in preparation for destructive testing. Lecture 2 hours. Lab 4 hours.

WITHDRAWN CLASSES

AGRI 1242 – Microcomputers in Agriculture (3)

This course is an introduction to microcomputers and their uses in agriculture. Various hardware/software choices and existing software applications will be discussed, as well as the Internet and e-mail. Emphasis will be on spreadsheet, word processing and database programs. The student will learn custom application and problem-solving using the software. Lecture 2 hours. Lab 2 hours. ▶ IAI ~ AG 913

AGRI 1245 – Introduction to Equine Management (3)

This course emphasizes the importance of proper equine selection. The student will be able to identify unsoundness, vices and confirmation faults. Selection of proper feed ration for different use and need situations will be taught. Satisfactory completion of this course will provide the fundamental knowledge and skills necessary to perform preventive medicine programs and assess the health of equine. The general anatomy of the horse will be covered. Facility design and selection, as well as proper choice and maintenance of tack, also will be covered. Lecture 3 hours.

AGRI 1617 – Biofuels (1)

This course is designed to be an introduction to the production and uses of methane, ethanol and biodiesel. The laboratory experience with acquaint the student with nomenclature, production technique and quality control. Lab 32 contact hours.

ART 2117 – Commercial Art (3)

This course is an introduction to the theoretical and practical aspects of visual communication, including techniques, processes, terminology and basic compositional and conceptual skills of commercial art and graphic design. Lab 6 hours.

ELEC 2203 – Industrial Electrical Wiring (6)

This course builds upon basic skills developed through previous applications and directed industrial situations. Emphasis is on installation of electrical service power, lighting and special systems in new construction; changeovers from old systems to new; provision of additional electrical capacity, periodic maintenance and repair. Lecture 4 hours. Lab 4 hours.

ELEC 2230 – Electronics for Electricians (6)

This course is designed to give a basic knowledge of electronics and provide a comprehensive overview of solid state devices and systems, including fiber optics, integrated circuits and light-activated components from an electrical perspective. Lecture 4 hours. Lab 4 hours.

HORT 1205 – Grounds Maintenance (3)

A course dealing with landscaping and maintaining grounds for home and industry. Course content includes design, planting, maintenance of grounds, plant selection, site analysis, soil management, structures and construction materials. Lecture 2 hours. Lab 2 hours.

HORT 1211 – Landscape Plants (3)

Students will learn to identify over 200 landscape plants and relate their adaption and value to design. Emphasis is placed on both common and Latin names. Lecture 2 hours. Lab 2 hours.

HORT 1212 – Introduction to Plant Pruning (1)

An introduction to the principles involved in plant pruning. Emphasis is placed on pruning for light penetration and obtaining desired shapes. Root pruning practice also will be covered. Lecture .5 hour. Lab 1 hour.

HORT 1214 – Horticulture Mechanics (3)

An introduction to adjustment, repair and maintenance of equipment used in the horticulture industry. Lecture 2 hours. Lab 2 hours.

HORT 1215 – Turf Management (3)

An introduction to the management and care of common turf grasses.

Emphasis is placed on identification of turf grasses and related cultural problems associated with their growth. Topics covered include weed identification, insects, diseases, fertilizers and equipment usage for the management of turf grasses in parks, golf courses, home growth and sod farms. Lecture 2 hours. Lab 2 hours.

HORT 1216 – Greenhouse Operations (3)

An introduction to the general maintenance and proper use of greenhouse structures and equipment. Emphasis is placed on growing techniques used in the production of greenhouse crops. Environmental controls and nutritional applications are covered. Lecture 2 hours. Lab 2 hours.

HORT 1219 – Specialty Crop Production (2)

A practical, hands-on course in the methods and techniques of small-scale specialty crop production. Students will select a site, develop a marketing plan, select a crop, perform cultural practice and market a crop. Lab 4 hours.

HORT 1220 – Fruit and Vegetable Production (3)

An introduction to commercial fruit and vegetable production in the Midwest. Emphasis will be placed on cultural systems, variety selection and pest control. Lecture 3 hours.

HORT 2201 – Landscape Design (3)

Prerequisite: HORT 1211 or consent of the Dean

An introduction to the graphic presentation and placement of plant materials in the landscape. Emphasis is placed on layout design and cost calculations. Topics covered include design concepts, field studies, contracting and landscape maintenance. Lecture 2 hours. Lab 2 hours.

HORT 2202 – Nursery Operations (2)

This course is designed to give students hands-on experience at nursery facilities. Students will learn planting, pest control, marketing propagation and equipment usage. Lecture 1 hour. Lab 2 hours.

HORT 2203 – Golf Course Operations (2)

Prerequisite: HORT 1215 or consent of the Dean

This course is designed to introduce the student to golf course operations. Emphasis is placed on maintenance of irrigation equipment, traps, greens, fairways and trees. Lecture 1 hour. Lab 2 hours.

HORT 2204 – Greenhouse Management (2)

This course will acquaint students with the management practices involved in greenhouse production. Emphasis will be placed on rotations, individual crop production practices, utilization of greenhouse space and marketing plans. Lecture 1 hour. Lab 2 hours.

INEL 1240 – Digital Electronics (6)

This course provides instruction and experience with binary and hexadecimal number systems, binary codes and numerous digital gates and circuits, such as flip-flops, counters, shift registers, decoders, multiplexers and other digital circuitry. In addition, the course provides circuit design techniques and digital applications. Lecture 4 hours. Lab 4 hours. ▶ IAI ~ EGR 932L

INEL 1260 – Solid-State Devices (6)

Prerequisite: Consent of instructor

This course investigates field effect transistors, bipolar transistors, small-signal amplifiers, large-signal amplifiers, regulated power supplies, operational amplifiers and troubleshooting for all circuits studied. Lecture 4 hours. Lab 4 hours.

JAPN 1103 – Japanese for Business Travelers (3)

This course is designed to assist English-speakers who travel to Japan for professional purposes. Course content will address survival language skills such as those used in greetings, transportation and scheduling appointments. Aspects of Japanese culture that affect business relations also will be discussed. Lecture 3 hours.

JOUR 1102 – Introduction to Journalism (3)

Prerequisite: JOUR 1101 or permission of the instructor

The goal of this course is to introduce students to basic news writing and editing. Lecture 3 hours.

LIBS 1101 – Information in Society (2)

If English review course(s) are required, student must complete ENGL 1410, ENGL 1412, or PREP 1404. If Reading course is required, student must complete READ 2409 or PREP 1404.

This is a two-credit course designed to help students develop research skills that will assist them in locating, evaluating, and using information effectively

and ethically. Students will also learn to utilize information by developing a research topic, creating an online learning tool, and documenting sources by creating citations. Lecture 2 hours.

POLI 2102 – Intro to International Relations (3)

This course surveys the many aspects of cooperation, interaction and discord between nations, including the nationwide system, national power, international law, United Nations, causes of conflict and possible solutions and international problems. The student is expected to examine and form reasoned judgments about the relationship between the U.S. and world community. Lecture 3 hours. ▶ IAI ~ S5 904

PYED 1140 – Introduction to Recreation (3)

This course will give the prospective recreation leader knowledge of the philosophy and learning objectives of recreation. Included is a study of the professional preparation, duties and qualifications for the field of recreation. Lecture 3 hours.

PYED 1141 – Recreation Program Planning (3)

A study of the essential elements and basic principles involved in planning, organizing and promoting recreation programs. Emphasis is on class discussion, field trips and field experiences for planning and conducting programs for community agencies. Lecture 3 hours.

SPAN 1100 – Spanish Conversation (2)

This is a conversational course for beginners designed to equip the student to understand and speak everyday Spanish in common situations often met by travelers. Lecture 2 hours.

SPAN 1103 – Conversational Spanish I (3)

Prerequisite: SPAN 1100 or consent of instructor

This course is a continuation of Spanish Conversation I. It covers additional vocabulary Spanish useful to probation officers and law enforcement. Oral communications and basic Spanish sentence structure are emphasized. Some reading and writing in Spanish is included. The material may be adjusted to cover additional questions of probation and law enforcement or to apply to other careers, such as medicine and horticulture. Lecture 3 hours.

STP 1215 – Introduction to Surgical Technology (3)

Prerequisite: Acceptance into program

This course introduces the student to the broad field of surgical technology. This course has three basic sections: 1) general introductory information; 2) introduction to basic principles of aseptic technique, and 3) introduction to patient care. Lecture 3 hours.

STP 1216 – Principles of Surgical Technology (6)

Prerequisite: STP 1215

This course introduces the student to the practice of surgical technology. The focus is on the skills that are specifically those of the scrub role and circulator role. The student will demonstrate the proper and safe execution of procedures and instruments and equipment. Adequate laboratory time for the practice and testing of skills is required. Lecture 4 hours. Lab 4 hours.

STP 1217 – Surgical Procedures I (5)

Prerequisites: STP 1216, STP 1221 and ZOO 1105

This course is designed to prepare students for clinic practice training. Instruction combines lectures and lab to introduce students to all surgical specialties. Lecture 5 hours.

STP 1218 – Surgical Procedures II (3)

Prerequisite: STP 1217, MICR 1101 and ZOO 1106

This course is a continuation of STP 1217 and is designed to prepare students for clinic practice training. Instruction combines lecture and lab to introduce students to all surgical specialties not covered in the first course. Lecture 3 hours.

STP 1219 – Clinical in Surgical Technology I (5)

Prerequisites: Certified in CPR; STP 1215, STP 1221 and ZOO 1105

This course introduces the student to the operating room and its routines. This course functions to expand knowledge gained in STP 1215 and supports the knowledge being gained in the Principles and Practice of surgical technology courses. This course is offered Pass/Fail. Lab 15 hours.

STP 1220 – Clinical in Surgical Technology II (5)

Prerequisites: Certified in CPR; STP 1222, MICR 1101 and ZOO 1106

This course is a continuation of STP 1222. It is designed to provide the student with continued exposure to the operating room and its routines. This course expands knowledge gained in STP 1215, STP 1216 and STP 1222. It is

offered Pass/Fail. Lab 15 hours.

STP 1221 – Pharmacology for Health Professions (3)

Prerequisite: STP 1215

This course provides basic knowledge of the most commonly used medications. Discusses commonly prescribed medications, potential adverse reactions, dietary response to treatment and desired effect. Lecture 3 hours.