



Academic Notes

October 12, 2009

AN 2009-2010

SPECIAL NOTICES

CENTER FOR PUBLIC SERVICE AND COMMUNITY ENGAGEMENT COMMUNITY PARTNER AWARD

The Indiana State University Community Partner Award is presented annually to one or more non-profit organizations, educational institutions, public agencies, or private/corporate organizations that have contributed to the experience of Indiana State University students through the development and sustenance of a lasting partnership. This award recognizes organizations that have impacted student learning and faculty teaching and scholarship.

For more information and nomination forms visit our website at http://www.indstate.edu/publicservice/Community_Partner_Award.htm. **Nomination deadline is Monday, November 30, 2009.** Completed nomination forms should be returned to the Center for Public Service and Community Engagement, Tiley Hall, room 134J.

For further information, contact Heather Dalton Miklozek at heather.miklozek@indstate.edu

FACULTY AWARD FOR COMMUNITY-BASED LEARNING AND SCHOLARSHIP

The Faculty Award for Community-Based Learning and Scholarship is presented annually to one or more full-time faculty members at Indiana State University who have made serving the community an integral part of their academic goals and activities.

For more information and nomination forms visit our website at http://www.indstate.edu/publicservice/Faculty_Award_Community-Based_Learning.htm. **Nomination deadline is Monday, November 30, 2009.** Completed nomination forms should be returned to the Center for Public Service and Community Engagement, Tiley Hall, room 134J.

For further information, contact Heather Dalton Miklozek at heather.miklozek@indstate.edu

FACULTY DISTINGUISHED SERVICE AWARD

The Faculty Distinguished Service Award recognizes distinguished service outside the classroom to the university, students, professional organizations, and the community.

For more information and nomination forms visit our website at http://www.indstate.edu/publicservice/Faculty_Distinguished_Service_Award.htm. **Nomination**

deadline is Monday, November 30, 2009. Completed nomination forms should be returned to the Center for Public Service and Community Engagement, Tirey Hall, room 134J.

For further information, contact Dr. Catherine Stemmans at cat@indstate.edu

PRESIDENT'S AWARD FOR CIVIC AND COMMUNITY LEADERSHIP

The President's Award for Civic and Community Leadership is presented annually to an undergraduate student at Indiana State University who has made community and civic engagement integral to her/his college experience.

For more information and nomination forms visit our website at http://www.indstate.edu/publicservice/Presidents_Award_Civic_Community_Leadership.htm. **Nomination deadline is Monday, November 30, 2009.** Completed nomination forms should be returned to the Center for Public Service and Community Engagement, Tirey Hall, room 134J.

For further information, contact Heather Dalton Miklozek at heather.miklozek@indstate.edu

FACULTY GOVERNMENT

STUDENT AFFAIRS COMMITTEE

Thursday, October 22, 2009, at 2:30 p.m., in COB 11th floor board room.

AGENDA #2

- I. Call to Order
- II. Adoption of the Agenda
- III. Approval of the Minutes of Last Meeting
- IV. Appointment of SAC NCA Representative
- V. Review of Ongoing Charges for 2009-2010
 - A. Faculty rep at SGA meetings—Jim Buffington
 - B. instructor withdrawal of students early in semester—Stan Henderson
 - C. Investigate decline in international student enrollment—Stan Henderson
 - D. Review problems with medical withdrawal procedure and propose solution—Patrice Jones
 - E. Examine the wisdom of the Fall 2008 practice of granting widespread waivers of dismissal policy to first-year students who earned a 1.0 GPA or less—Jim Hughes
 - F. Work with the Student Success Council to examine policies that impact success of first- and second-year students—Chris Fischer
 - G. Administer the Faculty Scholarship—Bassou El Mansour (Chair), Stan Henderson, Chris Fischer
 - H. The treatment of students who have been academically dismissed from ISU, but have been readmitted after achieving success at another academic institution. Consider whether the existing ISU academic policy adequately rewards the students' recent

success or does it unnecessarily concern itself with previous failures. Make recommendations—Jim Hughes

- I. Consider whether the criteria for the Hines award might be reconfigured to allow for students who transfer in a small numbers of hours and/or whether additional changes in criteria are appropriate—Jim Buffington
- VI. Reports
 - A. Chairperson
 - B. Administrative Representatives
 - C. Student Representatives
- VII. Old Business
- VIII. New Business
- IX. Adjournment

ACADEMIC NOTES PUBLICATION SCHEDULE **FOR FALL 2009**

Below is the circulation schedule for the electronic copy of *Academic Notes* through December 14, 2009. All submissions for inclusion in *Academic Notes* are due in the Office of Academic Affairs no later than 10:00 a.m. on the Wednesday prior to the distribution of *Academic Notes* on the following Monday. Submissions must be in hard copy along with an e-mail, disk, or CD with the same information. The electronic version must be formatted either in Word with pages with signatures scanned and inserted as a picture OR PDF saved as text and image. (Do NOT send PDF just saved as an image.) Information submitted to *Academic Notes* that is not accompanied by an electronic version or that is incomplete or unusable will be returned to the appropriate office.

Academic Notes is available using Acrobat Reader at

http://www.indstate.edu/academicaffairs/academic_notes.htm

ACADEMIC NOTES PUBLICATION SCHEDULE **FOR FALL 2009**

<u>Deadline for Items</u>	<u>Issue Date</u>
October 14	October 19
October 21	October 26
October 28	November 2
November 4	November 9
November 11	November 16
November 18	November 23
November 25	November 30
December 2	December 7
December 9	December 14

ACALOG NOTE

The format for curriculum proposals has changed to correspond with the structure of Acalog, the new version of the electronic catalogs. Some proposals will be published under the old structure and some under the new structure during this transition period.

Improved Electronic Catalog

The new electronic version of the undergraduate catalog is posted at

<http://www.indstate.edu/academics/catalogs.htm> Some advantages of the new format are:

- It is easily searchable and searchable from the internet
- It is easier for students and advisors to find and choose the courses students need
- Students create a personal portfolio of courses in which they are interested
- Links to information such as department web sites, advising information, and video clips can easily be added
- Every page can easily be printed.

If you have questions, please contact Academic Affairs, extension 3662.

CURRICULUM

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GRADUATE PROPOSALS

NEW PROGRAMS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Athletic Training

Ph.D. Physical Therapy (102 credits)

CIP Code: 512308 Major Code: _____

Brief Summary:

The objective of this post-baccalaureate campus based doctorate in physical therapy (DPT) is to provide competent health care providers who are skillfully able to effectively examine, evaluate, diagnose, and provide appropriate interventions for clients with primary, secondary, and tertiary physical impairments, functional limitations, and disabilities across the lifespan. The physical therapist has in-depth knowledge of cardiopulmonary, musculoskeletal, and neuromuscular

disorders. The physical therapist functions as point-of-entry providers of physical rehabilitation and rehabilitation services. This program is part of the initiatives for the Indiana State Rural Health Innovation Collaborative (RHIC)

Clientele to be Served: The clientele to be served will be graduate students who desire to pursue a professional career as a physical therapist by obtaining the terminal clinical degree. The American Physical Therapy Association (APTA) is the nationally recognized professional organization for physical therapists, yet each educational institution providing physical therapy education is governed by the Commission on Accreditation in Physical Therapy Education (CAPTE). Because of Vision 2020, an initiative to advance entry-level degree requirements from a master level to a doctoral level by the year 2020, CAPTE has coordinated a significant change in the academic preparation of physical therapists. Vision 2020 projects the desire that physical therapists be recognized as the practitioner of choice for the diagnosis, intervention, and prevention of physical limitations. This vision is based on the impetus of autonomous professional practice by physical therapists developed through the didactic and clinical education of a CAPTE accredited clinical doctoral degree program in physical therapy.

Curriculum: Students are accepted into a full-time cohort model once a year starting with the first summer term. Students enroll in courses in the pre-determined sequence as outlined in the program of study. The DPT program will require 102 post baccalaureate graduate credit hours. There are a total of 29 credit hours of clinical, which excludes the hours for advanced human anatomy taken during the first summer term. A clinical credit hour at Indiana State University equates to three actual clinical contact hours. Some of the clinical hours are practice hours with simulations and volunteers, while the core of the clinical hours are spent with physical therapy preceptors providing supervised client care. The didactic and theory credit hours equates to 73 credit hours. The program does include credit hours for a culminating scholarly project.

Employment Possibilities: Physical Therapy is an allied health profession that provides services to help restore function, improve mobility, relieve pain, and prevent permanent physical disabilities. Practice settings for physical therapists include acute care, pediatrics, geriatrics, short- and long-term rehabilitation, cardiopulmonary, sports medicine, fitness centers, and orthopedics.

Student Learning:

The Indiana State University program for the Doctorate of Physical Therapy (DPT) will consist of a three year, 102 hours, full-time program of study. The initial admitted class will consist of 30 individuals. The main student learning outcomes/objectives of this program are to graduate successful physical therapy practitioners who are skillfully able to:

1. Utilize critical thinking with the knowledge derived from the biological, behavioral, and clinical sciences for clinical decision making.
2. Demonstrate ethical behavior consistent with professional and legal standards.
3. Provide guidance and interventions to promote wellness, health promotion and enhance the physical performance of persons in the community.
4. Provide safe and effective standards of care for a diverse client population.
5. Communicate effectively with clients, families, colleagues, other health care workers, and the general public orally and in writing.

6. Plan and execute research, disseminate research findings, and critically evaluate the professional literature to promote evidence-based practice.
7. Demonstrate continuing personal and professional growth to maintain professional competence, advance career development, and contribute to the development of the profession.

Proposed Catalog Copy:

Ph.D. Physical Therapy (102 credits)

CIP Code: 512308 Major Code: _____

The purpose of the doctorate in physical therapy (DPT) is to provide competent health care providers who are skillfully able to effectively examine, evaluate, diagnose, and provide appropriate interventions for clients with primary, secondary, and tertiary physical impairments, functional limitations, and disabilities across the lifespan. The physical therapist has in-depth knowledge of cardiopulmonary, musculoskeletal, and neuromuscular disorders. The physical therapist functions as point-of-entry providers of physical rehabilitation and rehabilitation services. Students are accepted into a full-time cohort model once a year starting with the first summer term. Students enroll in courses in the pre-determined sequence as outlined in the program of study. The DPT program will require 102 post baccalaureate graduate credit hours. There are a total of 29 credit hours of clinical, which excludes the hours for advanced human anatomy taken during the first summer term. Some of the clinical hours are practice hours with simulations and volunteers, while the core of the clinical hours are spent with physical therapy preceptors providing supervised client care. The didactic and theory credit hours equates to 73 credit hours. The program does include credit hours for a culminating scholarly project.

Applicants must meet the admission requirements for the College of Graduate and Professional Studies. Admission into the physical therapy program will also require the following:

- A Bachelor's degree from a 4 year accredited university in a discipline other than Physical Therapy with a minimum cumulative 3.0 and science GPA of 3.0 recommended and the degree must be earned before enrolling in the DPT program.
- GRE exam is required of all applicants. Official score reports must be sent directly from the Educational Testing Service (ETS) — www.gre.org.
- Recommendation Forms from the following: A licensed physical therapist, an academic source, community service experience
- Resume should include a comprehensive outline of your student, volunteer, and professional work experiences and all honors and awards.
- Essay describing personal career objectives.
- Personal Interview with members of the Physical Therapy admissions committee may be required.
- Physical Therapy Experience is required. You must complete a minimum of 40 hours of volunteer or paid work under the supervision of a licensed physical therapist.

Prerequisite course work is also required if the student's undergraduate degree did not include the identified foundational courses. A listing of these courses is available on the program website. Academic Advisors are also available at Indiana State University to consult about undergraduate prerequisites. Official transcript evaluation will not be conducted until a student has applied to the program.

Required Courses:

PHTH 600	2 credits
PHTH 601	8 credits
PHTH 602	3 credits
PHTH 604	3 credits
PHTH 605	3 credits
PHTH 610	5 credits
PHTH 620	3 credits
PHTH 621	3 credits
PHTH 622	3 credits
PHTH 700	3 credits
PHTH 701	3 credits
PHTH 706	3 credits
PHTH 710	5 credits
PHTH 712	3 credits
PHTH 720	3 credits
PHTH 721	3 credits
PHTH 723	3 credits
PHTH 724	3 credits
PHTH 725	3 credits
PHTH 800	3 credits
PHTH 801	3 credits
PHTH 810	8 credits
PHTH 841	3 credits
PHTH 891	3 credits
BIO 633	3 credits
PE 685	3 credits
HLTH 617	3 credits
PE 680	3 credits
PASS 621	2 credits
ATTR 625	3 credits

Preferred effective term: Summer I 2011

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Athletic Training

Master of Science Physician Assistant Studies (93 credits)

CIP Code: 510912 Major Code: _____

Brief Summary:

The mission of the Indiana State University Physician Assistant Program is to create a student-centered educational environment that engages individuals to become compassionate, competent physician assistants who possess the clinical skills to contribute positively to the dynamic health care needs of rural and underserved populations. This program is part of the initiatives for the Indiana State Rural Health Innovation Collaborative (RHIC).

Clientele to be served: The PA program will serve baccalaureate prepared students from a variety of backgrounds who may enroll directly after completion of their undergraduate degree or, as is often the case, after working in the health care fields for a variable length of time. Our goal is to find qualified Indiana residents for at least two-thirds of the available seats in the program. Regardless of age, gender or ethnicity, we intend to attract those persons wanting to serve their community as a provider of quality health care with an emphasis on evidence-based medicine and cultural competency. To that end we will make a concerted effort to attract and accept a diverse student body.

Curriculum: The curriculum has been designed based on accreditation standards as published by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) and will require 93 graduate credit hours in a campus-based program over seven consecutive semesters. The prerequisites include a strong foundation in the biological sciences, namely chemistry, anatomy, physiology, microbiology and statistics. Experiential learning in the clinical environment is accomplished during eleven four week rotations of fulltime clinical preceptorship in at least eight medical specialties. There is no option for advanced placement or for part-time study. Our students are encouraged not to work during the entire program due to the curricular intensity.

Employment opportunities: Certified physician assistants (PA-C) find employment opportunities in a whole range of medical settings. Once certified, a PA is qualified to work in surgical subspecialties as well as just about every area of clinical medicine as well as in academia. PAs are employed wherever a physician might be employed. According to the Indiana Workforce Development's High-Wage High-Demand Occupations report for 2006-2016 there were 283 openings for PAs and a projected growth rate of 26.9%. The U.S. Bureau of Labor Statistics listed physician assistants among the fastest growing occupations for 2006 — 2016 in the November 2007 Monthly Review.

Student Learning:

At the completion of this program the PA graduate will be able to:

1. Practice compassionate primary care medicine sensitized to the particular health care needs of rural and underserved communities. (Primary Care Provider)
2. Apply the principles of evidence-based medicine and critical thinking in clinical decision making. (Critical Thinking)
3. Communicate effectively with patients, families and members of the multidisciplinary healthcare team. (Communication)
4. Partner with supervising physicians and other professional colleagues to provide competent patient-centered care across the lifespan. (Patient Care)
5. Utilize practice and systems-based analysis to insure patient safety and improve outcomes through continuous quality improvement. (Safety/Quality)
6. Respond to the complexities of the dynamic healthcare system by practicing in a cost-effective and socially responsible manner. (Leadership)
7. Commit to high ethical standards responsive to the needs of the profession, the individual and to society. (Ethics/Community Leadership)

Proposed Catalog Copy:

Master of Science Physician Assistant Studies (93 credits)

CIP Code: 510912 Major Code: _____

In addition to admission requirements for the College of Graduate and Professional Studies, the PA program requires students:

1. To have earned a baccalaureate degree from a regionally accredited institution of higher learning.
2. Who hold a baccalaureate degree from institutions outside the United States to have completed at least one year or 24 semester credits of additional coursework at a college or university in the United States prior to application.
3. Whose native language is not English to have a minimum TOEFL score of 550.
4. To submit three letters of recommendation and a personal statement explaining why she or he wants to become a physician assistant.
5. To show proficiency in medical terminology. The program will offer a self-study module as needed and, if needed, is to be completed prior to matriculation.
6. To consider obtaining health care experience if one does not already have said experience. Indiana State University is offering PASS 500X to facilitate acquiring said experience prior to matriculation. This is not a requirement for application or admission.

Prerequisite course work is as follows, and must have been accomplished with a grade of C or better.

1. At least five biological science courses of three semester credits each. Of these five courses, at least one must be in anatomy, one in physiology, and one in microbiology. Courses in human anatomy and human physiology are preferred to courses of a more general nature, and courses with labs are preferred. To fulfill the remaining biological science course prerequisite, we recommend courses such as cell biology, molecular biology, genetics, pharmacology, embryology, histology, or immunology. While none of the latter courses are required, they provide a good foundation for the study of medicine.
2. At least two chemistry courses with labs of four semester credits each.
3. At least one statistics course of at least two semester credits.

Required Courses:

PASS 610	4
PASS 611	3
PASS 613	3
PASS 617	2
PASS 620	4
PASS 622	4
PASS 624	3
PASS 626	4
PASS 630	4
PASS 632	3
PASS 634	3
PASS 635	2
PASS 636	3
PASS 643	3
PASS 655	3

PASS 670	3
PASS 671	3
PASS 672	3
PASS 673	3
PASS 674	3
PASS 675	3
PASS 676	3
PASS 677	3
PASS 678	3
PASS 679	3
PASS 680	3
PASS 686	4
PASS 687	5
HLTH 617	3

Preferred effective term: Spring 2011

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Nursing

Ph.D. Nursing Practice (39 credits)

CIP Code: 511699 Major Code: _____

Brief Summary:

In order to help our society better meet the continually changing health care needs of rural and underserved communities, the United States needs more and better educated mid-level providers. There is a corresponding shortage of doctorally educated nurse practitioner providers in the country. The proposed DNP program is created in an effort to help meet both health and education needs.

Student Learning:

The Wabash Valley in the West Central region has 11 rural counties of which 8 are either Medically Underserved Areas (MUAs) or Health Professional Shortage Areas (HPSAs). The multifaceted health care needs of Indiana citizens in poor rural counties are growing throughout the state. The DNP program will address the health care needs of these underserved and rural populations. There will be a solid evidence based practice base that explores the research utilized in health care for the rural and underserved populations and ways to influence the quality of health care through epidemiological incidence and the Healthy People 2020 findings as well as approaches to their prevention of health problems and cure. The rural health practicum will focus on the resolution and study of these health problems and social-political mechanisms the DNP can influence change. The outcomes of practice showing health care disparities placed on certain groups in rural and underserved areas—women, children, elderly, and minorities—will be evaluated and published by student and faculty.

Indiana State University (ISU) will work with the other state universities in demonstrating capabilities and standards of practice for this role. The DNP takes the evidence based research and interprets it into practice. It looks at the efficacy of the research that the nurse researchers

and others have conducted. Our ISU faculty are a blend of PhD and DNP as well as MSN prepared practitioners. This is a needed phenomenon as we move to the DNP program. The 39 cr. Hrs. build on the 48-51 cr. Hrs. with 765 hrs. of clinical practice in the FNP concentration of the Indiana State MS in nursing for 1500 hrs of total clinical practice. The competencies of this new practitioner are based on the National Organization of Nurse Practitioner Faculty (NONPF) Doctoral of Nursing Practice Entry Level Competencies (2006) the American Association of Colleges of Nursing (AACN) Essentials of Doctoral Education for Advanced Nursing Practice (2006) in Appendix 1. The DNP is the scholarship of practice just as physicians, psychologists, lawyers, pharmacists, and physical therapists are a practice degree. A number of societal, scientific, and professional developments have stimulated this major paradigm change in graduate education. One major impetus for change was the AACN's decision in October 2004 to adopt the goal that preparation for specialization in nursing should occur at the doctoral level by 2015. (AACN, DNP Roadmap Task Force Report, October 20, 2006)

The degree is not the role. This DNP program will work with the communities it serves in finding how to make health care practice better, how practice identifies needs, and then disseminate their findings and develop this role and this practice. The journal, *Clinical Scholars Review: The Journal of Doctoral Nursing Practice*, is produced by Columbia School of Nursing and published by Springer Publishing Company, 2008, will be one in which we will promote publications by faculty and students. How and when certification of this role will occur is an ongoing discussion—certification is viewed as a means of distinction to patients and payers as well as a way of assuring the public of quality and reliable standards for these new clinical nurse experts. The AACN is still upholding the 2015 date as the last year that the American Nurses Credentialing Center will certify master's level advanced practice nurses.

In 2006, Indiana State University FNP Program surveyed its graduates on their programs strengths and weakness. Also an added question was: Are they planning on furthering your education through doctoral study (if they didn't already have a doctorate). Of the 42 graduates, 38 planned to continue their education (2 had already had a doctorate and one was working on a doctorate) and 35 would do their program at ISU if one existed in next 5-10 years (see Appendix 2). Over the last two years the faculty has attended meetings discussing the varied ways to attain the DNP. Our faculty are utilizing AACN's template of post-Master preparation with the FNP as the masters concentration (see Appendix 3). The curriculum and courses are developed to achieve this expert in evidence based practice and dynamic leader and change agent in nursing prepared at the doctoral level. The DNP program will serve Master of Science in nursing (MSN) prepared nurses who are currently practicing as nurse practitioners and have a desire to work with clients in underserved and rural communities. Nurse educators who also wish to pursue a terminal clinical degree will also select the DNP as an education option. Many nursing programs such as Indiana State University are recognizing the DNP for tenure track positions.

Proposed Catalog Copy:

Ph.D. Nursing Practice (39 credits)

CIP Code: 511699 Major Code: _____

The Doctor of Nursing Practice Program will require 85 post baccalaureate graduate credit hours and a total of 1200 hours of supervised clinical preceptorship. A post-master's nurse practitioner who enters the Doctor of Nursing Practice Program will be required to complete a minimum of

39 credit hours at Indiana State University. Students prior to 2015 must have completed a master's degree to be eligible to enroll in the program and may apply a maximum of 48 graduate credits and 700 hours of formal clinical supervised hours from their master's degree toward the degree requirement. Consistent with other Doctor of Nursing Practice Programs and the American Association of Colleges of Nursing and the National Organization of Nurse Practitioner Faculty there is no dissertation requirement.

Applicants must meet the admission requirements for the College of Graduate and Professional Studies. Applicants must also meet the following requirements:

- A master's degree in nursing from a nationally accredited school of nursing preparing family nurse practitioners.
- A minimum graduate grade point average of 3.0 on a 4.0 scale.
- Have successfully completed a graduate statistics course and nursing research course.
- Have an unencumbered license as a registered nurse in the state of practice and advanced practice registration.
- Have national certification as a family nurse practitioner.
- Meet all health clearance, criminal background checks, and other requirements for clinical practice.
- Three professional references submitted through reference site.
- Have a minimum of two years nursing clinical experience prior to enrolling in clinical courses.
- Provide a 2-3 page sample of written scholarly work.
- TOEFEL of 550 or greater, if English is not the primary language spoken.

Core Courses:

HLTH 612 Epidemiology 3 credits
NURS 822 Organizational Informatics 3 credits
NURS 842 Health Policy Leadership 3 credits
NURS 825 Analytical Methods 3 credits

DNP Cognate Courses:

NURS 810 Community Health Planning 3 credits
NURS 840 Culturally Competent Care of Diverse Populations 3 credits
NURS 850 Rural/Underserved Residency 3 credits

Guided Elective:

Nursing Education (curriculum, tests, methods) or nursing administration (finance) 3 credits

Nursing Scholarship of Practice Courses:

NURS 891 Scholarly Project I 3 credits
NURS 892 Scholarly Project II 3 credits
NURS 893 Scholarly Project III 3 credits
NURS 894 Scholarly Project IV 3 credits
NURS 895 Capstone Scholarly Project 3 credits

Preferred effective term: Fall 2010

UNDERGRADUATE APPROVALS

PROGRAM REVISIONS

COLLEGE OF TECHNOLOGY: Technology Management

Human Resource Development of Higher Education and Industry Minor (21 credits)

CIP Code: 521001 Minor Code: _____

Brief Summary:

This paperwork is being submitted to correct a typographical error in the F2 packet submitted in 2008, which has resulted in a programming error in DARS. Technology Management 360 in the catalog description should be listed as Technology Management 369. The entry was correct in the side-by-side comparison.

Proposed Catalog Copy:

Human Resource Development of Higher Education and Industry Minor (21 credits)

CIP Code: 521001 Minor Code: _____

Human Resource Development courses (12 credits): 276—3 credits; 420—3 credits; 425—3 credits; 480—3 credits.

Technology Management courses (6 credits): 369—3 credits; 385—3 credits.

Safety Elective (3 credits): AVT 425—3 credits; CNST 310—3 credits; HLTH 212—3 credits; TMGT—3 credits.

Preferred effective term: Spring 2010