Academic Notes

FEBRUARY 25, 2008 **AN 2007-2008**

ARTICULATION AGREEMENTS

Program articulations agreements between Indiana State University and our two-year partner institutions allow students to complete a specific associate degree program at another institution and receive credit toward a specific bachelor's degree program at Indiana State University. Each agreement details the transfer courses accepted for credit at ISU, the courses needed to complete the bachelor's degree, and any other requirements or guidelines that apply. The following agreements have recently been approved:

Vincennes University
AS General Science - Geology Concentration to BS Geology
2/5/2008

AS Music, Fine Art Concentration to BS Music, Concentration in Business Administration
2/4/2008

AS Music, Fine Art Concentration to BS Music, Concentration in Music Performance
2/4/2008

AS Music, Fine Art Concentration to BME, Music Education
2/4/2008

AS Music, Fine Art Concentration to BS or BA Music
2/4/2008

Ivy Tech Community College
AA Education to BS Elementary Education with optional Special Education Licensure
2/11/2008

AS Education to BS Elementary Education with optional Special Education Licensure
2/11/2008

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2008

Below is the circulation schedule for the electronic copy of *Academic Notes* through May 5, 2008. **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/acad-aff/79.html

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2008

Deadline for Items	Issue Date
February 27	March 3
March 5	March 10
March 12	March 17
March 19	March 24
March 26	March 31
April 2	April 7
April 9	April 14
April 16	April 21
April 23	April 28
April 30	May 5

THESES, DISSERTATIONS, AND RESEARCH PROJECTS

COLLEGE OF ARTS AND SCIENCES: Geography, Geology, and Anthropology

Jennie Lathem will defend her thesis entitled*: Hazard adaptations along the Ohio River: A case study of Bushman's Lake, Clark County, Indiana*, on Tuesday, March 4, 2008, at 11:30 a.m., in the Science Building, room 110 (Climate Lab). Members of her committee are: Dr. Jim Speer, Chairperson; Dr. Susan Berta, and Dr. Jay Gatrell.

COLLEGE OF EDUCATION: Curriculum, Instruction and Media Technology

Pornsook Tantrarungroj will defend her dissertation entitled *Effect of Embedded Streaming Video Strategy in an Online Learning Environment on the Learning of Neuroscience,* on Wednesday, March 5, 2008, at 3:00 p.m., in the College of Education, room 1014. Members of her committee are: Dr. Feng-Qi Lai, Chairperson; Dr. Susan Kiger, and Dr. Kathryn Bauserman.

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

Mary Lovejoy will defend her dissertation entitled *Indiana School Superintendents and the Relationship Between Gender and Level of Social Intelligence,* on Friday, March 7, 2008, at 9:00

a.m., in College of Education, room 1214. Members of her committee are: Dr. Robert Boyd, chairperson; Dr. Greg Ulm and Dr. Joyce Fulford.

William C. Reichhart will defend his dissertation entitled *The Selection of Public School Principals in the 21st Century by Indiana Public School Superintendents,* on Friday, March 7, 2008 at 11:00 a.m., in the College of Education, room 1214. Members of his committee are: Dr. Robert Boyd, Chairperson; Dr. Greg Ulm, and Dr. Richard Cochren.

FACULTY GOVERNMENT

ADMINISTRATIVE AFFAIRS COMMITTEE

The Administrative Affairs Committee will meet on Friday, February 29, 2008. at 3: 00 p.m., in Meyers Tech Ctr, TC 101E.

Agenda

1. Open Time (10 minutes)
2. Minutes of February 8
3. Progress report on faculty/administration count
4. Old business
5. Charge #4 university level committee reports to faculty
6. New business

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UNDERGRADUATE PROPOSALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Languages, Literatures, and Linguistics

LLL 400 Senior Seminar for Students of Languages, Literatures, and Linguistics—3 hours. This course will bring together students of different language areas for analysis of a common and socially critical language/culture issue. Students will read materials for this course in the language of their area of study.

Change title, credit hours, and description:

LLL 400 Senior Project for Students of Language Studies--1 hour. This course requires students to complete a supervised research project in their area of study culminating in a presentation. Students will meet weekly with peer groups.

Preferred effective term: Fall 2008

COLLEGE OF ARTS AND SCIENCES: Political Science

PSCI 495 Internship in Political Science—3-9 hours. Work observation and study in public and private not-for-profit organizations and agencies. Students will be expected to work full time with the agency or organization participating in the internship program. Prerequisites: prior consent of instructor and completion of departmental proposal/approval form.

Change description to repeatable:

PSCI 495 Internship in Political Science—3-9 hours. Work observation and study in public and private not-for-profit organizations and agencies. Students will be expected to work full time with the agency or organization participating in the internship program. Prerequisites: prior consent of instructor and completion of departmental proposal/approval form. Repeatable to a maximum of nine hours.

Preferred effective term: Fall 2008

COLLEGE OF ARTS AND SCIENCES: Psychology

PSY 375 Statistics in Psychology—3 hours. This course focuses on statistics used in psychological research. Prerequisites: 201, and Mathematics 111 or a higher-level mathematics course or appropriate Compass score.

Change prerequisites to:

PSY 375 Statistics in Psychology—3 hours. This course focuses on statistics used in psychological research. Prerequisite: 201 or equivalent, and Mathematics 111 or a higher-level mathematics score.

Preferred effective term: Fall 2008

COURSE REACTIVATION

COLLEGE OF TECHNOLOGY: Technology Management

ITE 479 Problems in Industrial Vocational Education—1-3 hours. Individual problems in testing and evaluation, promotional programs, inventories, and planning safety programs.

Reactivate and change title to:

ITE 479 Problems in Career and Technical Education—1-3 hours. Individual problems in testing and evaluation, promotional programs, inventories, and planning safety programs.

Preferred effective term: Fall 2008

PROGRAM REVISIONS

COLLEGE OF ARTS AND SCIENCES: Languages, Literatures, and Linguistics

Major in Languages, Literatures, and Linguistics (39 semester hours)

CIP Code: 16999 Major Code: 1233

Brief Summary:

The Program Prioritization process has given the Department the opportunity to further develop its original intention to combine language study under one degree program. The proposal here would suspend with the intention of ultimately eliminating separate degree programs in Spanish, French, German, Latin and TESL. The ensuing degree program will: 1) allow students to combine languages, 2) reflect the Department's commitment to culture studies, 3) bring greater flexibility to the Department in order to respond to demands for lesser-taught languages; 4) reduce credit hours to the major and minor to allow the major to complement other areas of study, 5) require students in the program to pursue study abroad or other experiences that immerse them in their study of language and culture.

Actions:
Revise Cross-Linguistics Option to become sole non-teaching major.
Change total hours in major from 39 to 31
Eliminate language of separate options (single language option French, German, or Spanish; Classical Studies)
Change credit hours of core course (LLL 400 from 3 to 1)

Student Learning:

Assessment information as well as national discussion show that students need and want more culture studies in relation to their language study. Our research suggests that students are best served when language and culture study supplement other areas of study. The addition of "applied" components recognizes the vital need to for students to have in-country experiences in order to reach broad cultural competency and be competitive in the job market. Further, students can strengthen their language skills in an immersion environment in less time than in the traditional credit hour structure, while additionally gaining valuable cultural and personal experience. The external reviewers during our program review were enthusiastic about our proposed direction, but suggested using nationally normed exams to track results as we blaze this trail.The introduction of national testing tools will allow the programs to monitor the increase in program effectiveness through cooperation with institutions abroad.

Proposed Catalog Copy:

Language Studies Major (31 semester hours)
CIP Code: 16999 Major Code: _____

Required (7 semester hours): Languages, Literatures and Linguistics 200--3 hrs.; 400--1 hrs.; a second language or linguistics area course--3 hrs.
Required language courses (18 semester hours): 300/400-level course work from within the department.
Electives (6 semester hours): course work at any level from within the Department or approved cognate course work from another department.

An applied experience component within the 30 hours of the major. May consist of:
a) a minimum 6 semester hours of appropriate study abroad.
OR
b) a minimum 3 semester hours in LLL 409 in an approved internship.

A minimum 2.5 GPA in all course work required for the major.
Preferred effective term: Fall 2008

COLLEGE OF ARTS AND SCIENCES: Languages, Literatures, and Linguistics

Languages, Literatures, and Linguistics Minor (24 semester hours)
CIP Code: 16999 Major Code: 1233

Brief Summary:

See Languages, Literatures, and Linguistics Major above.

Proposed Catalog Copy:

Languages Studies Minor (18 semester hours)
CIP Code: 16999 Minor Code: _____

Required courses: Languages, Literatures, and Linguistics 200—3 hrs.; a second language or linguistics area course-- 3 hrs.
12 hours from within the Department to include at least 6 semester hours at the 300/400 level.

A minimum 2.5 GPA in all course work required for the minor.

Up to 3 semester hours of 100-level study in the second area may be counted toward the minor.
Preferred effective term: Fall 2008

GRADUATE PROPOSALS

NEW COURSES

COLLEGE OF EDUCATION: Elementary, Early and Special Education

ELED 670 Leadership of Reading Programs—3 hours. This course includes a survey of current leadership theories and styles, and their application to the promotion of literacy in educational settings and beyond.
Preferred effective term: Fall 2008

COURSE REVISIONS

COLLEGE OF TECHNOLOGY: Aviation Technology

Change of prefix only from AST to AVT:

603
Preferred effective term: Fall 2008

PROGRAM REVISIONS

COLLEGE OF EDUCATION: Elementary, Early, and Special Education

Master of Education—Elementary Education (32 semester hours minimum)
CIP Code: 131202 Major Code: 7785

Brief Summary:

The master's in education is being revised to include three concentrations: primary and intermediate; literacy; and early childhood.

Student Learning:

The results of Program Prioritization recommended one masters degree with three areas of concentration.

Proposed Catalog Copy:

Master of Education (32 semester hours minimum)
CIP Code: 131202 Major Code: _____

Completion of the Master of Education Degree will qualify the student for one of the following:

The Indiana Professional License in elementary education provided the student holds the standard elementary license and has completed five years of teaching experience.
or
The Indiana Professional License in early childhood education provided the student holds a standard license and has completed five years of appropriate teaching experience.
or
The Indiana Professional License in elementary education provided the student holds the standard elementary license and has completed five years of teaching experience. In addition the literacy concentration will professionalize the reading minor and lead to reading specialist certification.

Degree Requirements

Basic Professional Courses: Curriculum, Instruction, and Media Technology 610—3 hrs.; 3 hrs. from Educational Leadership, Administration, and Foundations 605 or 607, or Educational Psychology 521, 621.
Major Area: Elementary Education 660—3 hrs; 678--2 hrs; 667--3 hrs., to be scheduled within the last nine hours of the degree program.
Related Studies: An 18 hour concentration from the Department of Elementary, Early and Special Education will be required.
Literacy Concentration: Elementary Education 681--3 hrs.; 682--3 hrs.; 685--3hrs.; 686--3 hrs.; 668--3 hrs.; 670--3 hrs.
Early Childhood Concentration: ELED 532--3 hrs.; 541--3 hrs.; 645--3 hrs.; 647--3 hrs.; 648--3 hrs.; 3 hrs. from 680 or 686.
Primary & Intermediate Concentration: ELED 668--3 hrs; 680--3 hrs; 686--3 hrs; and 9 hours from ELED 571; 650; 651; 666; 681; 682; 685; SCED 685.
Culminating Experience: Elementary Education 667 from the major area taken within the last nine hours of the degree program.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Master of Sciences Human Resource Development for Higher Education and Industry (33 semester hours minimum)
CIP Code: 521001 Major Code: E192

Brief Summary:

Due to reorganization in the College of Technology, changes were made to the prefixes in the programs. The catalog copy was also corrected to reflect minor changes in the curriculum.

Proposed Catalog Copy:

Master of Sciences Human Resource Development for Higher Education and Industry (33 semester hours minimum)
CIP Code: 521001 Major Code: _____

Deficiency course based on admission status that cannot be used toward degree. HRD 605—3 hrs.
Research (3 semester hours): Technology Management 698—3 hrs.

Major (15 semester hours): Human Resource Development 656—3 hrs.; 670—3 hrs.; 675—3 hrs.; 695—3 hrs. Technology Management 659—3 hrs.

Program Options:
Option A—Major Project

Technology Management 685—3 hrs.
Electives supportive of specialization—12 hours.

Option B—Thesis
Technology Management 699—6 hrs.
Electives—9 hours
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Master of Science—Career and Technical Education (previously Vocational Technical Education) for Teacher Licensure (32 semester hours minimum)
CIP Code: 13120 Major Code: E183

Brief Summary:

Due to reorganization within the College of Technology, changes were made to prefixes in the program.

Proposed Catalog Copy:

Master of Science—Career and Technical Education (previously Vocational Technical Education) for Teacher Licensure (32 semester hours minimum)
CIP Code: 13120 Major Code:_____

Research (3 semester hours): Technology Management 698—3 hrs.

Major: Career and Technical Education 671—3 hrs.; Human Resource Development 573—3 hrs., 656—3 hrs., 670—3 hrs., 675—3 hrs.

Program Options (6 semester hours of either option A or B):
Option A: Technology Management 685—3 hrs. (meets culminating experience requirement); Career and Technical Education elective—3 hrs.
Option B: Technology Management Education 699—6 hrs. (meet culminating experience requirement for M.A.).
Professional Education (9 semester hours): 3 hours from Curriculum Instruction, and Media Technology 660 or 662; 3 hours from Educational Leadership, Administration, and Foundations 605, 607, or 608; 3 hours from Educational Psychology 521, 522, 625, or Curriculum, Instruction, and Media Technology 611.
Approved Electives: To complete minimum degree requirements.

Fifty percent of the credit hours in the program must be in courses numbered 600 level or above. A minimum of 18 hours in courses must be from the Department of Technology Management. The program is designed for persons who have an undergraduate in technology education. The program is available y advanced communication technologies, i.e., the Internet.

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Master of Science—Technology Education (33 semester hours)
CIP Code: 13120 Major Code: E193

Brief Summary:

Due to reorganization within the College of Technology, changes were made to prefixes in the program.

Proposed Catalog Copy:

Master of Science—Technology Education (33 semester hours)
CIP Code: 13120 Major Code: _____

Research (3 semester hours): Technology Management 698—3 hrs.

Major (15 semester hours): Human Resource Development 573—3 hrs.; Technology Education 672—3 hrs., or Technology Education elective—3 hrs.; 3 hrs. from Human Resource Development 580—3 hrs., 656—3 hrs; 675—3 hrs.; 3 hours from Human Resource Development 605—3 hrs.; 670—3 hrs.

Program Options (6 semester hours of either option A or B):
Option A: Technology Management 685—3 hrs. (meets culminating experience requirement); Technology Education elective—3 hrs.
Option B: Technology Management Education 699—6 hrs.

Professional Education (9 semester hours): 3 hours from Curriculum Instruction, and Media Technology 660 or 662; 3 hours from Educational Leadership, Administration, and Foundations 605, 607, or 608; 3 hours from Educational Psychology 521, 522, 625, or Curriculum, Instruction, and Media Technology 611.

Approved Electives: To complete minimum degree requirements.

Fifty percent of the credit hours in the program must be in courses numbered 600 level or above. A minimum of 18 hours in courses must be from the Department of Technology Management. The program is designed for persons who have an undergraduate in technology education. The program is available y advanced communication technologies, i.e., the Internet
Preferred effective term: Fall 2008

PROGRAM ELIMINATIONS

COLLEGE OF EDUCATION: Elementary, Early, and Special Education

M.Ed. Early Childhood Education (32 semester hours minimum)

CIP Code: 8573 Major Code: 8573

Brief Summary:

Recommended for elimination by Program Prioritization because of low graduation rate.

Proposed Catalog Copy:

None.
Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Elementary, Early, and Special Education

Master of Education—Literacy (32 semester hours)
CIP Code: 131202 Major Code: 7789

Brief Summary:

Recommended for elimination by Program Prioritization because of low graduation rate.

Proposed Catalog Copy:

None.
Preferred effective term: Fall 2008

UNDERGRADUATE APPROVALS

NEW COURSES

COLLEGE OF TECHNOLOGY: Aviation Technology

AVT 309 Aviation Security and Emergency Planning--3 hours. This course provides the student with an in-depth understanding of the technology, regulations, and multi-layered security systems that fall under the broad heading of aviation security. Also included is the development of an airport emergency response plan. Prerequisite: 307 or consent of instructor.
Preferred effective term: Fall 2008

AVT 325 Crew Resource Management--2 hours. A study of crew resource management techniques designed for pilots and cabin crew of multi-crew operations as well as dispatchers, mechanics, and air traffic control personnel. The course covers the theoretical aspects of modern crew resource management training with relevant references to, and examination of, human factor related aviation incidents and accidents.
Preferred effective term: Fall 2008

AVT 327 Aircraft Dispatch Theory--3 hours. Introduction to the duties and responsibilities of a certified aircraft dispatcher. Preparation and understanding of the skills required to successfully complete the FAA aircraft dispatcher written examination. Prerequisites: 141, 205, 307, or consent of the instructor.
Preferred effective term: Fall 2008

AVT 329 Aircraft Dispatch Application--3 hours. This course is oriented towards the preparation required to successfully complete the written examination required by the FAA for the aircraft dispatcher certificate. Emphasis is placed on flight planning, regulatory compliance, and airline practices and procedures. Prerequisites: 323, 327, and 403.
Preferred effective term: Fall 2008

AVT 367 Multi-Engine Flight--2 hours. Flight and ground instruction required for the multi-engine rating. A multi-engine rating is required for completion of this course. Prerequisite: Private pilot certificate.
Preferred effective term: Fall 2008

AVT 391 Airport Management--3 hours. An introduction to the business management aspects of managing airports. Topics include the role of consultants, marketing, human resource management, balances, controlling, financing, and cost calculation of airports. Prerequisite: 307 or consent of instructor.
Preferred effective term: Fall 2008

AVT 413 Regional Jet Aircraft Systems--2 hours. This class provides an in-depth study of the complex systems found on regional jet aircraft. It provides a review of all primary systems, operations, checklists, procedures, and offers hands-on experience with a computer based flight management systems trainer. Prerequisite: 313 or consent of instructor.
Preferred effective term: Fall 2008

AVT 421 Aircraft Dispatch Certification--3 hours. Advance study of aircraft dispatching culminating in the completion of a practical evaluation for the award of an aircraft dispatcher certificate. Course topics include regulations, aerodynamics, performance, weight and balance, flight operations, emergencies and hazards, meteorology, Federal Aviation Regulations, part 121 and 135, and flight observation. Prerequisites: 327 and 329.
Preferred effective term: Fall 2008

AVT 499 Airport Manager Certification--3 hours. Advance study of the business management practices of airports and its framework conditions. The course prepares students to complete the Association of Airport Executives Certified Member Program examination. Prerequisite: 491 or consent of instructor.
Preferred effective term: Fall 2008

COURSE REVISIONS

COLLEGE OF TECHNOLOGY: Aviation Technology

Change of prefix from AST to AVT:

001	223	307
002	241	323
199	243	341
205	245	351
211	301	403
214	305	441

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Aviation Technology

AST 130 Introduction to Aerospace Technology—2 hours. Orientation to student's major field. Course includes University and department policies and procedures, aerospace courses, graduation requirements, and career aspiration and planning. Required of all students in the Department of

Aerospace Technology.

Change prefix, title, and description to:

AVT 130 Introduction to Aviation Technology--2 hours. Orientation to student's major field. Course includes University and department policies and procedures, aviation courses, graduation requirements, and career aspiration and planning. Required of all students in the Department of Aviation Technology.

Preferred effective term: Fall 2008

AST 141 Aviation Fundamentals—3 hours. An introduction to basic flight principles. Course includes the principles of flight, aircraft systems, performance, weight and balance, physiology, federal aviation regulations, and flight publications.

and

AST 143 Basic Air Navigation—3 hours. An introduction to air navigation procedures. Course includes basic meteorology, interpreting weather data, pilotage and dead reckoning navigation, radio navigation, and cross country flight planning. Prerequisite: 141 or concurrent enrollment.

Change prefix, consolidate AST 141 and AST 143 into one course, delete AST 143, change title, credit hours, and description to:

AVT 141 Private Pilot Theory—6 hours. The ground school knowledge required for certification has a private pilot with an airplane single engine land rating. Topics include aerodynamics, aircraft systems, performance, weight and balance, physiology, regulations, cross country planning, weather, and decision making skills.

Preferred effective term: Fall 2008

AST 142 Private Pilot Flight I—1 hour. An introduction to the ISU flight training program. Students must enroll in this course while pursuing the Private Pilot Certificate. Course completion requirements: minimum of 20 total flight hours and a solo endorsement.

Change prefix and add co-requisite to:

AVT 142 Private Pilot Flight I--1 hour. An introduction to the ISU flight training program. Students must enroll in this course while pursuing the private pilot certificate. Course completion requirements: minimum of 20 total flight hours and a solo endorsement. Co-requisite: 141 or consent of instructor.

Preferred effective term: Fall 2008

AST 144 Private Pilot Flight II—1 hour. Students must enroll in this course while pursuing the Private Pilot Certificate. Course completion requirements: Private Pilot Certificate or 60 total flight hours.

Change prefix and add prerequisite to:

AVT 144 Private Pilot Flight II--1 hour. Students must enroll in this course while pursuing the private pilot certificate. Course completion requirements: Private pilot certificate or 60 total flight hours. Prerequisite: 142 or consent of instructor.

Preferred effective term: Fall 2008

AST 242 Instrument/Commercial Flight I—1 hour. Students must enroll in this course while pursuing the Instrument/Commercial Certificate. Course completion requirements: 40 flight hours beyond the Private Pilot Certificate. Prerequisite: Private Pilot's Certificate or consent of instructor.

Change prefix, description, and prerequisites to:

AVT 242 Instrument/Commercial Flight I--1 hour. Students must enroll in this course while pursuing the instrument/commercial certificate. Course completion requirements: 40 flight hours beyond the private pilot certificate, which may include up to 20 hours total simulator time. Prerequisite: 144 or private pilot's certificate, or consent of instructor.

Preferred effective term: Fall 2008

AST 244 Instrument/Commercial Flight II—1 hour. Students must enroll in this course while pursuing the Instrument/Commercial Certificate. Course completion requirements: Instrument Rating or 145 total flight hours.

Change prefix, description, and add prerequisites to:

AVT 244 Instrument/Commercial Flight II--1 hour. Students must enroll in this course while pursuing the instrument/commercial certificate. Course completion requirements: Instrument rating or 145 total flight hours, of which 20 hours total simulator time may be applied. Prerequisite: 242 or consent of instructor.

Preferred effective term: Fall 2008

AST 311 Aircraft Systems II—3 hours. Introduction to basic aircraft systems found on high performance turboprop and turbojet aircraft. Course includes turbine engines, electrical systems, hydraulic and pneumatic systems, electronic flight systems and instruments, maintenance requirements and documentation, and trouble shooting from the cockpit. Prerequisites: 211 or consent of the instructor.

Change prefix, title, and description to:

AVT 311 Turbine Aircraft Systems--3 hours. A comprehensive study of the aircraft systems found in modern turbine aircraft. Areas of study include aircraft electrical, hydraulic, pneumatic, fuel, propeller, engine, and auxiliary systems, including operation, maintenance, and cockpit trouble shooting. Prerequisite: 211 or consent of instructor.

Preferred effective term: Fall 2008

AST 313 Beechcraft King Air 200/B200 Systems--3 hours. This course introduces students to the Beechcraft King Air 200/B200 and its systems. All aircraft systems will be covered, including: electrical power systems, fuel systems, warning systems, power-plant, fire protection, pneumatics, ice and rain protection, pressurization, weight and balance, performance, operating limitations, checklist and SOPs, and more. Prerequisite: junior standing and consent of instructor.

Change prefix, and description, and prerequisites to:

AVT 313 Beechcraft King Air 200/B200 Systems--3 hours. An introduction to the Beechcraft King Air 200/B200. All aircraft systems are covered as well as operating limitations, checklist, crew resource management skills and standard operating procedures. Prerequisite: 311, 325, 341, hold an instrument rating, or consent of instructor.

Preferred effective term: Fall 2008

AST 315 Beechcraft King Air 200/B200 Flight—3 hours. An introduction to the department's Beechcraft King Air B200 Flight Training Device, in this class, students will apply what they learned in 313 to professionally operate and fly the department's King Air Flight Training Device. Along with

regular class room instruction, students must meet once per week for four hours, to fly the King Air FTD. Prerequisite: successful completion of 313 and instructor consent. Students must pay an additional laboratory fee for this class.

Change prefix and prerequisites to:

AVT 315 Beechcraft King Air 200/B200 Flight—3 hours. An introduction to the Beechcraft King Air B200 flight training device. Along with regular class room instruction that includes crew resource management skills, students will be training in the King Air flight training device. Prerequisite: successful completion of 313 or instructor consent.

Preferred effective term: Fall 2008

AST 342 Instrument/Commercial Flight III—1 hour. Students must enroll in this course while pursuing the Instrument/Commercial Certificate. Course completion requirements: 185 total flight hours.

Change prefix and add prerequisites to:

AVT 342 Instrument/Commercial Flight III—1 hour. Students must enroll in this course while pursuing the instrument/commercial certificate. Course completion requirements: 185 total flight hours, of which 50 hours total simulator time may be applied. Prerequisite: 244 or consent of instructor.

Preferred effective term: Fall 2008

AST 344 Instrument/Commercial Flight IV—1 hour. Students must enroll in this course while pursuing the Instrument/Commercial Certificate. Course completion requirement: Commercial Pilot Certificate.

Change prefix and add prerequisites to:

AVT 344 Instrument/Commercial Flight IV—1 hour. Students must enroll in this course while pursuing the instrument/commercial certificate. Course completion requirements: Commercial pilot certificate. Prerequisite: 342 or consent of instructor.

Preferred effective term: Fall 2008

AST 362 Glider Flying—2 hours. Principles and theories of glider flying including ground and flight instruction leading to Glider Certification, which is required for course completion. Prerequisite: Private Pilot Certificate or consent of instructor.

Change prefix and prerequisites to:

AVT 362 Glider Flying—2 hours. Principles and theories of glider flying including ground and flight instruction leading to an FAA glider rating, which is required for course completion. Prerequisite: Private pilot certificate or consent of instructor.

Preferred effective term: Fall 2008

AST 363 Mountain Flying—2 hours. Principles and theories of mountain flying including actual mountain flying expedition. Prerequisites: Private Pilot Certificate, 100 hours flight time, 241; or consent of instructor.

Change prefix and prerequisites to:

AVT 363 Mountain Flying—2 hours. Principles and theories of mountain flying including actual mountain flying expedition. Prerequisites: 241, Private pilot certificate, and 100 hours flight time, or consent of instructor.

Preferred effective term: Fall 2008

AST 364 Ocean Flying—2 hours. Principles and theories of ocean flying including actual transocean flight. Prerequisites: Private Pilot Certificate, 80 hours flight time, 241; and consent of instructor.

Change prefix and prerequisites to:

AVT 364 Ocean Flying—2 hours. Principles and theories of ocean flying including actual transocean flight. Prerequisites: 241, Private pilot certificate, 80 hours flight time, and consent of instructor.

Preferred effective term: Fall 2008

AST 365 Advanced Tailwheel Aircraft Flying—2 hours. Principles and theories of flight related to tailwheel or conventional gear aircraft, including ground and flight instruction, leading to required FAA endorsement for tailwheel aircraft. Prerequisites: Private Pilot Certificate or consent of instructor.

Change prefix, description, and prerequisites to

AVT 365 Advanced Tailwheel Aircraft Flying—2 hours. Principles and theories of flight related to tailwheel or conventional gear aircraft, including ground and flight instruction requiring a minimum of ten total flight hours in tailwheel aircraft and satisfactory completion of a tailwheel proficiency check. Prerequisites: Private pilot certificate, tailwheel endorsement, recommendation of chief flight instructor, or consent of instructor.

Preferred effective term: Fall 2008

AST 366 Seaplane Flying—2 hours. Principles and theories of seaplane/floatplane flying including ground and flight instruction leading to FAA seaplane rating which is required for course completion. Prerequisites: Private Pilot and 100 hours flight time and consent of instructor.

Change prefix and prerequisites to:

AVT 366 Seaplane Flying—2 hours. Principles and theories of seaplane/floatplane flying including ground and flight instruction leading to an FAA seaplane rating which is required for course completion. Prerequisites: Private pilot certificate, 100 hours flight time, and consent of instructor. Students must pay an additional laboratory fee for this class.

Preferred effective term: Fall 2008

AST 405 Aerospace Legislation—3 hours. Federal, state, and local legislation as related to the aerospace industry. Case studies and discussion methods are used to show application of these statutes. Included will be a study of latest legislation passed by the Congress and international conventions.

Change prefix and add prerequisite to:

AVT 405 Aviation Law—3 hours. Federal, state, and local legislation as related to the aviation industry. Case studies and discussion methods are used to show application of these statutes. Included is a study of the latest legislation passed by Congress and international conventions. Prerequisite: Junior standing or consent of instructor.

Preferred effective term: Fall 2008

AST 425 Aviation Risk Analysis—3 hours. Overview of aviation safety topics, including current safety issues, the role of federal agencies, accident statistics, causes of aviation accidents, human factors, and accident prevention. Prerequisites: 141 and 143; or consent of instructor.

Change prefix and prerequisites to:

AVT 425 Aviation Risk Analysis—3 hours. Overview of aviation safety topics, including current

safety issues, the role of federal agencies, accident statistics, causes of aviation accidents, human factors, crew resource management skills, and accident prevention. Prerequisite: Junior standing or consent of instructor.
Preferred effective term: Fall 2008

AST 430 Senior Seminar—1 hour. Career planning as applicable to students pursuing either a flight or administrative career in the aerospace industry. Prerequisite: second semester junior or first semester senior or consent of instructor.

Change prefix title, and description to:
AVT 430 Aviation Career Planning--1 hour. Career planning as applicable to students pursuing either a flight or management career in the aviation industry. Prerequisite: Junior standing or consent of instructor.
Preferred effective term: Fall 2008

AST 442 Flight Instructor Flight—1 hour. The flight experience as required by the FAA for certification as a flight instructor and an instrument flight instructor. Course completion requirements: CFI, CFII, Multi-engine Rating, tailwheel, and basic aerobatic maneuvers log-book completion endorsements. Prerequisite: 344 or consent of instructor.

Change prefix, description, and prerequisites to:
AVT 442 Flight Instructor Flight—1 hour. The flight experience as required by the FAA for certification as a flight instructor and an instrument flight instructor. Course completion requirements: Chief flight instructor I, chief flight instructor II certificates/ratings, multi-engine rating, tailwheel, and severe unusual attitude recovery log-book endorsements. Prerequisite: 344 or consent of instructor.
Preferred effective term: Fall 2008

AST 446 Multi-engine Instructor Flight—2 hours. The advanced flight theory and skills as required for the FAA Multi-engine Flight Instructor rating. Covers aspects of instructing as related to a multi-engine airplane. A Multi-engine Flight Instructor's rating is required for completion of this course. Prerequisite: Flight Instructor Certificate or consent of instructor.

Change prefix, description, credit hours, and prerequisites to:
AVT 446 Multi-engine Instructor Flight—1 hour. The advanced flight theory and skills as required for the FAA multi-engine flight instructor rating. Covers aspects of instructing as related to a multi-engine airplane. A multi-engine flight instructor's rating is required for completion of this course. Prerequisite: Flight instructor certificate or consent of instructor.
Preferred effective term: Fall 2008

AST 471 Topics for Aerospace Administration Majors—1-6 hours. Topics not usually presented in aerospace courses. Topic titles, credit, course outline, and content will be arranged by faculty member(s) involved. Repeatable with a change in course content up to a maximum of 6 hours. Prerequisite: consent of instructor.

Change prefix, title, description, and prerequisites to:
AVT 471 Topics for Aviation Management Majors—1-6 hours. Topics not usually presented in aviation courses. Topic titles, credit, course outline, and content are arranged by faculty member(s) involved. Repeatable with a change in course content up to a maximum of 6 hours. Prerequisite: Junior

standing or consent of instructor.
Preferred effective term: Fall 2008

AST 473 Topics for Professional Pilot Majors—1-6 hours. Topics not usually presented in aerospace courses. Topic titles, credit, course outline, and content will be arranged by faculty member(s) involved. Repeatable with a change in course content up to a maximum of 6 hours. Prerequisite: consent of instructor.

Change prefix, description, and prerequisites to:

AVT 473 Topics for Professional Pilot Majors—1-6 hours. Topics not usually presented in aviation courses. Topic titles, credit, course outline, and content are arranged by faculty member(s) involved. Repeatable with a change in course content up to a maximum of 6 hours. Prerequisite: Junior standing or consent of instructor.
Preferred effective term: Fall 2008

AST 491 Airport Master Planning—3 hours. Special problems and current status of legislation in airport system planning and forecasting; demand/capacity analysis; terminal and airside planning; and airport layout plans. Repeatable with a change in course content up to a maximum of 6 hours. Prerequisites: 307, senior standing, major in aerospace administration, Industrial and Mechanical Technology 203; or consent of instructor.

Change prefix, title, and prerequisites to:

AVT 491 Airport Planning—3 hours. Special problems and current status of legislation in airport system planning and forecasting; demand/capacity analysis; terminal and airside planning; and airport layout plans. Repeatable with a change in course content up to a maximum of 6 hours. Prerequisites: 307 and 391, or consent of instructor.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Electronics, Computer, and Mechanical Engineering Technology

IMT 239 Automotive Chassis—3 hours. Theory and laboratory experience involving investigation, testing, and service of modern suspension, steering, and braking systems. Prerequisite: 136 or Electronics and Computer Technology 160.

Change prefix, description, and prerequisites to:

AET 239 Automotive Chassis—3 hours. Theory and laboratory experience involving investigation and testing of modern suspension, steering, and braking systems.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

IMT 282 Principles of Packaging—3 hours. An introduction to the profession of packaging technology. Includes a study of careers within the profession and an introduction to the purposes and requirements of packaging. Laboratory activities include a study of package components.

Change prefix, number, title, description, and add prerequisites to:

PKG 180 Introduction to Packaging Design—3 hours. An introduction to the profession of

packaging with an emphasis on packaging design. Includes a study of materials used in packaging and an introduction to the purposes and requirements of packaging. Laboratory activities include CAD design of package components. Prerequisites: working knowledge of a CAD program, or consent of instructor.
Preferred effective term: Fall 2008

IMT 284 Package Fabrication and Equipment Operation—3 hours. An introduction to the fabrication of packages and the associated equipment including machines and test instruments. Includes an introductory study of packaging materials with emphasis on analysis and evaluation of paper, paperboard, corrugated, and other natural materials. Laboratory activity required.

Change prefix, number, and title, and description to:

PKG 280 Packaging Materials and Testing I—3 hours. An introductory study of packaging materials with emphasis on analysis and evaluation of paper, paperboard, corrugated, and other natural materials. Includes fabrication of packages and the associated equipment and test instruments. Laboratory activities include fabrication and package testing.
Preferred effective term: Fall 2008

IMT 384 Packaging Materials and Analysis—3 hours. An advanced course in packaging materials including a study of physical properties and material applications. Specific emphasis is placed upon plastics and other synthetic materials. Includes glass and metal, films, foils, sheet materials, and cushion materials. Laboratory analysis, application of scientific procedures, and use of test instruments are required. Prerequisites: 282 and 284, or consent of instructor.

Change prefix, number, title, and prerequisites to:

PKG 380 Packaging Materials and Testing II—3 hours. An advanced course in packaging materials including a study of physical properties and material applications. Specific emphasis is placed upon plastics and other synthetic materials. Includes glass and metal, films, foils, sheet materials, and cushion materials. Laboratory analysis, application of scientific procedures, and use of test instruments are required. Prerequisite: PKG 280, or consent of instructor.
Preferred effective term: Fall 2008

IMT 381 Packaging and the Environment—3 hours. A study of the impact of packaging and packaging materials on the environment from the manufacturing process through their life cycle, and of ways to recycle and reduce packaging solid waste.

Change prefix, title, and description to:

PKG 381 Environmental Issues of Packaging—3 hours. A study of the impact of packaging and packaging materials on the environment from the manufacturing process through their life cycle, and ways to reduce, reuse, and recycle packaging solid waste. Students learn how countries around the world are addressing these issues. The course investigates the impact of political climates, cultural norms, and other situations on the way environmental issues are viewed around the world. Emphasis is placed on personal responsibility and the sociological impacts of choices made.
Preferred effective term: Fall 2008

IMT 380 Package Development—3 hours. Laboratory experiences in package design and

construction in relation to constraints and limitations of a variety of products.

Change prefix, number, title, description, and prerequisites to:

PKG 482 Package Development and Analysis—3 hours. A practical course in the development process of packaging systems that satisfy the needs of the product, manufacturing, marketing, sales, warehousing, distribution, safety, and consumer needs and desires. Laboratory experiences is in package design and construction in relation to constraints and limitations of a variety of products. Prerequisite: PKG 380, or consent of instructor.
Preferred effective term: Fall 2008

IMT 480 Distribution Packaging and Design Analysis—3 hours. An advanced study of bulk packaging and shipping of goods. Includes distribution package design, use of special equipment in handling, storage and staging, docks and warehouse operation, and laboratory tests of impact, shock, and vibration.

Change prefix, number, title, description, and prerequisites to:

PKG 484 Distribution Packaging Design, Analysis and Testing—3 hours. An advanced study of packaging and shipping of goods in multiple quantities and for industrial applications. Includes distribution package design, use of special equipment in handling, storage and staging, docks and warehouse operation, and laboratory tests of environmental conditioning, compression, impact, shock, and vibration. Prerequisite: PKG 380, or consent of instructor.
Preferred effective term: Fall 2008

IMT 383 Packaging Machines II—3 hours. An advanced study of packaging machines, line operations, controls, maintenance, process analysis, selection, and procurement. Includes analysis and problem solving. Prerequisites: 329 and 333, or consent of instructor.

Change prefix, number, title, description, and prerequisites to:

PKG 486 Packaging Machinery Systems—3 hours. An advanced study of packaging machines, line operations, controls, maintenance, process analysis, selection and procurement, and return on investment. Includes analysis and problem solving. Laboratory activity includes development of a packaging line layout for a product. Prerequisite: PKG 380 or consent of instructor.
Preferred effective term: Fall 2008

COURSE REACTIVATION

COLLEGE OF TECHNOLOGY: Electronics, Computer, and Mechanical Engineering Technology

IMT 337 Thermo Systems—3 hours. Covers thermo properties of solids, liquids, and gases; power cycles; refrigeration; and basic heat transfer.

Reactivate, change prefix to:

MET 337 Thermo Systems—3 hours. Covers thermo properties of solids, liquids, and gases; power cycles; refrigeration; and basic heat transfer.
Preferred effective term: Fall 2008

COURSE ELIMINATIONS

COLLEGE OF TECHNOLOGY: Aviation Technology

AST 143
Preferred effective term: Fall 2008

PROGRAM REVISIONS

COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Health, Safety, and Environmental Health Sciences

Health Sciences Major (63-73 semester hours)
CIP Code: 511504 Major Code: _____

Brief Summary:

The Health Sciences program is requesting to change the Community Health Promotion concentration's name to Public Health concentration (not the major's name, just the concentration's). Many in the Health field are unfamiliar with Community Health Promotion but have knowledge of Public Health even though the two are the same at the undergraduate level.

Community Health program's objectives are 1) to prepare community health specialists to help maintain and improve the health, well-being, and quality of life of communities of people in public and private settings; and 2) to prepare graduates to pursue graduate education in a variety of related fields. This definition is the similar to the definiion of Public Health.

Some examples of agencies defintion the two as one and the same include the Institute of Medicine (Committee for the Study of the Future of Public Health, Division of Health Care Services. 1988. The Future of Public Health. National Academy Press, Washington, DC) which states that the mission of public health is to "fulfill society's interest in assuring conditions in which people can be healthy." Public health carries out its mission through organized, interdisciplinary efforts that address the physical, mental and environmental health concerns of communities and populations at risk for disease and injury. Its mission is achieved through the application of health promotion and disease prevention technologies and interventions designed to improve and enhance quality of life. This mission is identical to the mission of Community Health. It is also stated that Public Health is the science of protecting and improving the health of communities through education, promotion of healthy lifestyles, and research for disease and injury prevention. This again is the same definition of Community Health.

According to the Associations of Schools of Public Health "Public health is concerned with protecting the health of entire populations. These populations can be as small as a local neighborhood, or as big as an entire country. Public health professionals try to prevent problems from happening or re-occurring through implementing educational programs, developing policies, administering services, and conducting research". (http://www.whatispublichealth.org/ by Associations of Schools of Public Health). Again this is the same for Community Health.

Other examples of comparisons of the two names:
1. Community Health or public health is an aspect of health services concerned with threats to the overall health of a community based on population health analysis.
(www.dictionaryofeverything.com/explore/957/Medicine.html)

2. Public health: The approach to medicine that is concerned with the health of the community as a whole. Public health is community health. It has been said that: "Health care is vital to all of us some of the time, but public health is vital to all of us all of the time."
(http://www.medterms.com/script/main/art.asp?articlekey=5120)

The curriculum of the undergraduate Community Health Promotion concentration is similar to other Public Health undergraduate programs. See attached undergraduate Public Health printouts. Common courses included in both degrees are: Research, biostatistics, environmental health, epidemiology, substance abuse, nutrition, sexuality, community health, stress management, chronic and communicable diseases. Internships (field experience) are also common in the Public Health programs and are included in the curriculum of the Community Health concentration.

Accreditation: currently the Community Health program is not accredited. The department has been waiting for faculty to be hired to submit an application for accreditation. Even the accreditation agency will be the same in the future. Community Health programs used to have their separate accrediting agency, the SOPHE/AAHE Baccalaureate Program Approval Committee (SABPAC) but will now go through the Council on Education for Public Health (CEPH) in the future (see attached for resolution 2005).

Changing the name of the Community Health Promotion to Public Health will allow the program to attract more students and be more current with the names of other similar undergraduate programs in the field. It will also increase visibility of the program and respect among professionals in the field.

Student Learning:

On the Exit survey we conducted, students recommended a name change so that more people (employers, prospective students, and parents) understood what the major was. Students will have a better understanding of their field of study and will be better able to secure employment because employers are more familiar with the Public Health title. Student recruitment will also be enhanced.

Proposed Catalog Copy:

Health Sciences Major (63-73 semester hours)
CIP Code: 511504 Major Code: _____

The objectives of this degree program are to prepare health educators to help maintain and improve the health, well-being, and quality of life of people; to prepare students to become health teachers; and to prepare students to pursue graduate education in a variety of related fields. Students completing the community health promotion ***concentration*** must earn a minimum of a "C"

grade in all required major courses (core, content, culminating experience, professional and foundation courses).

Students completing the school health education *concentration* must earn a minimum of a "C" grade in the core, content, and in the culminating experience courses. Students completing the school health ***concentration*** must be thoroughly familiar with the requirements for admission to the Teacher Education Program and the teaching curriculum. Refer to the College of Education and the Department of Curriculum, Instruction, and Media Technology in this catalog.

All students must maintain a 2.5 GPA in both the major courses and in their overall GPA to graduate.

Health Sciences Core Courses (30 hours):
111—3 hrs.; 221—3 hrs.; 340—3 hrs.; 392—3 hrs.; 401—3 hrs.; 402—3 hrs..; 403—3 hrs..; 406—3 hrs.; 480—3 hrs.; Family and Consumer Sciences 201--3hrs.

Public Health Promotion Concentration (33-34 hours)

Health, Safety, and Environmental Health Sciences courses:
210—3 hrs.; 212—3 hrs.; 341—3 hrs.; 360—3 hrs.; 393—2 hrs.; 424—3 hrs.; 428—3 hrs.; 491—3 hrs.

Other required courses: Athletic Training 210-2hrs. and Physical Education 220-2hrs. or Biology 112—3 hrs. and 112L—1 hr. or Life Sciences 231—2 hrs. and 231L—1 hr. or 241—2 hrs. and 241L—1 hr.; Physical Education 180—1 hr.; Psychology 101—3 hrs.; 362—3 hrs. or 368—3 hrs.

School Health Education Concentration (41- 43 hours)

Health, Safety, and Environmental Health Sciences courses:
211—2 hrs.; 211L—1 hr.; 313—3 hrs.

Other required courses: Life Sciences 231—2 hrs and 231L—1 hr. and 241—2 hrs. and 241L—1 hr. or Athletic Training 210--2hrs. and Physical Education 220--2hrs..; Curriculum, Instruction, and Media Technology 301--3hrs.; 302--3hrs.; 400–3 hrs.; 400L--1hr.; 401—11 hrs.; 402--1hr.; Educational Psychology 202--3hrs.; 341--3hrs.; Special Education 226--3hrs.

Preferred effective term: Fall 2008

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education

Coaching Concentration (15 semester hours)
CIP Code: 131314

Brief Summary:

Currently the program includes a course that has been banked (PE403). An advisor-recommended substitution has been utilized to replace PE403 for those students pursuing the Coaching Concentration. In examining the requirements needed to satisfy the Indiana High School Athletic Association standards for coaching eligibility it was determined that the current Coaching Concentration curriculum meets those

standards without needing a substitution for PE403. Therefore it is the desire of the Department of Physical Education to eliminate PE403 from the Coaching Concentration and reduce the total hours from 15 to 12.

Proposed Catalog Copy:

Coaching Concentration (12 semester hours)
CIP Code: 131314 Concentration Code:

Students who complete this course of study will have satisfied the Indiana High School Athletic Association standards for coaching eligibility. A student majoring in Physical Education Teacher Education will satisfy these standards by taking the course Physical Education 401 and 6 hours of prescribed coaching theory.

Required courses (6 semester hours): 401--3 hrs.; 404--3 hrs.
Electives: select 6 hours from the following: 350--2 hrs; *402--1 hr.; 410--2 hrs.; 411--2 hrs.; 412--2 hrs.; 413--2 hrs.; 416--2 hrs.; 418--2 hrs.; 419--2 hrs.; 420--2 hrs.

*Physical Education 402 may be taken twice, but in different sports. Physical Education 350 is required to coach swimming in Indiana.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Aviation Technology

Aerospace Technology Minor
CIP Code: 490102 Major Code: D633

Brief Summary:

Proposed catalog copy attached. Program changes were result of external surveys and two external reviews for accreditation.

Student Learning:

Proposed catalog copy attached. Program changes were result of external surveys and two external reviews for accreditation.

Proposed Catalog Copy:

Aviation Technology Minor (17 semester hours)
CIP Code: 490102 Major Code: _____

Required courses:
Aviation Technology courses: 141—6 hrs.; 142*—1 hr.; 144*—1 hr.; 205—3 hrs,; 305—3 hrs.;

471—3 hrs.

*Students not desiring flight courses (142 and 144) will substitute for Aviation Technology 301.

Students must pass each aviation course in the major with a "C" grade or higher.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Aviation Technology

Aerospace Administration Major (72 semester hours)
CIP Code: 490104 Major Code: D632

Brief Summary:

Major program changes were the result of external surveys and two external reviews for accreditation. Change in program title reflects more commonly known industry title and change in department name.

Student Learning:
Proposed changes will better prepare students for marketplace.

Proposed Catalog Copy:

Aviation Management Major (78 semester hours)
CIP Code: 490104 Major Code: _____

Required Aviation courses (39 semester hours):
Aviation Basic Core (21 hours): 130—2 hrs.; 141—6 hrs.; 205—3 hrs.; 223—3 hrs.; 405—3 hrs.; 425—3 hrs.; 430—1 hr.
Aviation Management (18 hours): 305—3 hrs.; 307—3 hrs.; 309--3 hrs.; 323—3 hrs.; 403—3 hrs.; 471—3 hrs.
Technical Support courses (27 semester hours): Accounting 200—3 hrs.; Business 263—3 hrs.; Communication 269—3 hrs.; Economics 201—3 hrs.; Finance 200—3 hrs.; Geography 242—3 hrs.; Health, Safety, and Environmental Health Sciences 340—3 hrs.; Insurance 340—3 hrs., Marketing 301—3 hrs.
Area of Concentration: Students must select an area of concentration from the three categories below. Students must declare an area of concentration, in writing, to their academic advisor) before completing 60 credit hours.
Aircraft Dispatch (9 hours): 327—3 hrs.; 329—3 hrs.; 421—3 hrs.
Airport Management (9 hours): 391—3 hrs.; 491—3 hrs.; 499—3 hrs.
Aviation Studies: Nine hours of any Aviation Technology electives.
Directed Basic Studies: Communication 215—3 hrs.
Directed Liberal Studies: Economics 200—3 hrs.

Students must pass each aviation course in the major with a "C" grade or higher.

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Aviation Technology

Professional Aviation Flight Technology (62 semester hours)
CIP Code: 490102 Major Code: D633

Brief Summary:

Major program changes were result of external surveys and two external reviews for accreditation.

Student Learning:

Proposed changes will better prepare students for marketplace.

Proposed Catalog Copy:

Professional Aviation Flight Technology (77 semester hours)
CIP Code: 490102 Major Code:_____

Required courses:
Aviation Technology courses (59 semester hours):
General Aviation courses: 130—2 hrs.; 141—6 hrs.; 142—1 hr.; 144—1 hr.; 205—3 hrs.; 211—3 hrs.; 223—3 hrs.; 241—3 hrs.; 242—1 hr.; 243—3 hrs.; 244—1 hr.; 245—3 hrs.; 342—1 hr.; 344—1 hr.
Professional Aviation courses: 311—3 hrs.; 313—3 hrs.; 315—3 hrs.; 325—2 hrs.; 341—3 hrs.; 405—3 hrs.; 413—2 hrs.; 425—3 hrs.; 430—1 hr.; 441—3 hrs.; 442—1 hr.
Students must select an area of concentration (AOC) from the seven categories below. Students must declare an AOC (in writing to their academic advisor) before completing 60 credit hours.

Concentration areas:

Law Enforcement Aviation -18 hours from: Criminology: 150—3 hrs.; 200—3 hrs.; 220—3 hrs.; 285—3 hrs.; 420—3 hrs.; 421 — 3 hrs.; 432—3 hrs. or 416 — 3 hrs.; 435—3 hrs.
Government Aviation - 18 hours from: Political Science: 130—3 hrs.; 201—3 hrs.; 305—3 hrs.; 308—3 hrs.; 330—3 hrs.; 370—3 hrs.; 473—3 hrs.
Corporate/Airline Pilot: Aviation Technology: 301—3 hrs.; 305—3 hrs.; 307—3 hrs.; 323—3 hrs.; 403—3 hrs.; any additional AVT course-3 hrs.
Human Factors - 18 hours from: Philosophy 105—3 hrs.; 201—3 hrs.; 401—3 hrs.; Psychology 101—3 hrs.; 342—3 hrs.; 344—3 hrs.; Sociology 100—3 hrs.; 240—3 hrs.; 322—3 hrs.
Business Administration: Accounting 200—3 hrs. Business 263—3 hrs.; Economics 200—3 hrs.; 201—3 hrs.; Finance 200—3 hrs.; Insurance 340—3 hrs.
Airport Management: AVT 307—3 hrs.; AVT 323—3 hrs.; AVT 403—3 hrs.; AVT 391—3 hrs.; AVT 491—3 hrs.; AVT 499—3 hrs.

Aircraft Dispatch: AVT 305—3 hrs.; AVT 403—3 hrs.; AVT 323—3 hrs.; AVT 327—3 hrs.; AVT 329—3 hrs AVT 421—3 hrs.
Directed Basic Studies: Communication 215—3 hrs.

Students must pass each Aviation course in the major with a "C" grade or higher.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Electronics, Computer, and Mechanical Engineering Technology

Mechanical Engineering Technology (84 semester hours)
CIP Code: 150899 Major Code: D941

Brief Summary:

Because of the re-organization in COT, many course prefixes and a few course titles have been changed. This program revision is mainly to reflect these changes. Also we are specifying a couple more courses under the technical elective list without removing any course from the old list and without changing the 6 cr hrs technical elective requirement. In order to get TAC-ABET accreditation, the major needed 84 hours.

Student Learning:

This is mainly editorial revision due to the COT re-organization. However, we have added few courses in the technical elective list which we believe will help toward the accreditation.

Proposed Catalog Copy:

Mechanical Engineering Technology Major (81 semester hours)**
CIP Code: 150899 Major Code: _____

Required Courses:

Mechanical Engineering Technology: 103--3 hrs.; 130--2 hrs.; 203--3 hrs.; 215--3 hrs.; 302--3 hrs.; 306--3 hrs.; 403--3 hrs.; 404--3 hrs.; 405--3 hrs.; 406--3 hrs.; 408--3 hrs.; 413--3 hrs.; 430--1 hr.
Manufacturing: 370--3 hrs.; *371--3 hrs.
Electronics and Computer Technology: 160--3 hrs.; 280--3 hrs.
Mathematics and Computer Science: 115 - 3 hrs.; 123 - 3 hrs.; 301- 3 hrs; Computer Science: 151 - 3 hrs.
Science: Chemistry 100--3 hrs. and 100L--1hr; Physics: 105--3 hrs. and 105L--1 hr.; *106--3 hrs. and *106L--1 hr.
Technical Electives: 6 hours from Mechanical Engineering Technology: 304--3 hrs.; 329--3 hrs.; 337--3 hrs.; 351--3 hrs.; 407--3 hrs.; 409--3 hrs.

Management Electives: 6 hours from Management 301--3 hrs.; Technology Management 471--3 hrs.; 473--3 hrs.; 478--3 hrs.

*or equivalent approved by the MET advisor.
**Include 8 hours of liberal studies, plus a program-based substitution for quantitative literacy and information technology literacy requirements.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Electronics, Computer, and Mechanical Engineering Technology

Industrial Automotive Technology Minor* (23-24 semester hours)
CIP Code: 150803 Minor Code: D938

Brief Summary:

Due to reorganization in the College of Technology and due to elimination of certain courses, it is necessary to change the required courses taken. In addition, the title of the minor has been changed to more reflect the intent and content of the minor. This minor concentrates on the technology within the automotive industry. As a result, students completing this minor will be well suited for technical oriented positions within the automotive industry.

Student Learning:

The Student Learning outcomes assessment results, National Association of Industrial Technology (NAIT) accreditation standards and advisory board recommendations were used to modify the Automotive related major and minor programs. As a result, two distinct threads in the automotive industry have been addressed with separate minors. A minor in Automotive Technonology Management has been proposed and is currently in the approval process. This proposal before you addresses changes needed in the existing Industrial Automotive Technology minor.

Specifically: Due to reorganization efforts, prefixes of courses require changing.

IMT 334 Transmissions and Drivelines has been removed as it is no longer consistently offered.

IMT 329 Fluid Power Technology and IMT 335 Body Control Systems were removed and AET 435 Engine Thermodynamics and AET 436 Diesel Engines were added as these two classes are more automotive specific than Fluid Power Technology and are more useful for employment possibilities than Body Control Systems.

ECT 160 was added to address the issue of prerequisites.

The overall credit hour requirement was reduced from 23-24 to 21 to be more attractive to students and yet still provide a solid meaningful set of courses that will enhance a student's resume and

employment opportunities.

Effectiveness: These changes will allow more opportunities for students in other majors to take a set of courses that will enhance their resume and afford them more employment opportunities.
No additional courses outside the existing ATM major are used for this minor.
The courses are consistently offered allowing minor completion in four or fewer semesters.

Proposed Catalog Copy:

Automotive Engineering Technology Minor * (21 semester hours)**
CIP Code: 150803 Minor Code: _____

Required Courses: Automotive Engineering Technology: 132--3 hrs.; 233--3 hrs.; 336--3 hrs.; 435--3 hrs.; 436--3 hrs.; Mechanical Engineering Technology 333--3 hrs.; Electronics Computer Technology 160--3 hrs.

*Not open to Automotive Technology Management majors.
**This minor is available via distance.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Packaging Technology Major (74 semester hours)
CIP Code: 150612 Major Code: D933

Brief Summary:

The revisions to this program are primarily due to prefix changes made when the College of Technology was reorganized. Some of the courses previously required in the program were eliminated because the material is covered adequately in other courses.

Student Learning:

The changes made will enhance student learning and program effectiveness.

Proposed Catalog Copy:

Packaging Major (65 semester hours)
CIP Code: 150612 Major Code: _____

Required courses:
Packaging (24 hours): 180—3 hrs.; 280—3 hrs.; 380—3 hrs.; 381—3 hrs.; 482—3 hrs.; 484—3 hrs.; 486—3 hrs.; 489—3 hrs.
Manufacturing (3 hours): 370—3 hrs. or 371—3 hrs. or 372—3 hrs.

Mechanical Engineering Technology (9 hours): 103—3 hrs.; 329—3 hrs.; 333—3 hrs.
Technology Management (21 hours): 131—2 hrs.; 351—3 hrs.; 429—3 hrs.; 430—1 hr.; 471—3 hrs.; 473—3 hrs.; 478—3 hrs.; 492—3 hrs.
Directed Basic Studies (3 hours): Mathematics 115—3 hrs.
Directed Liberal Studies (8 hours): Physics 105—3 hrs. and 105L—1 hr.; Chemistry 100—3 hrs. and 100L—1 hr. or Physics 106—3 hrs. and 106L—1 hr.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Packaging Technology Minor (18 semester hours)
CIP Code: 150612 Major Code: D933

Brief Summary:

The primary revision is to change course prefixes due to the recent reorganization of the College of Technology. The change in the number of hours required was recommended by the Packaging Advisory Committee to better prepare students for their roll in the Packaging industry.

Student Learning:

The change provides students with more Packaging courses to better prepare them for their roll in industry.

Proposed Catalog Copy:

Packaging Minor* (21 semester hours)
CIP Code: 150612 Minor Code: _____

Required courses:
Packaging (21 hours): 180—3 hrs.; 280—3 hrs.; 380—3 hrs.; 12 hours from 381—3 hrs., 482—3 hrs., 484—3 hrs., 486—3 hrs., or 489—3 hrs.

*Not open to Packaging majors.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Manufacturing Technology Major (62 semester hours)
CIP Code: 150613 Major Code: E233

Brief Summary:

Over the past few years the Manufacturing program faculty have been working to combine two programs, Manufacturing Technology and Computer Integrated Manufacturing. Recently the recommendation of the Program Prioritization Task Force was to reorganize these two programs into one program. Faculty in the program are making changes they feel will strengthen the program. The changes are to remove some courses from the program and add other courses to the program. All of the courses are existing courses. Specifically, we propose to eliminate these courses from the program: MFG 372, TMGT 477, MGT 301, ACCT 200, ECON 351, CS 101, PHYS 105/L, CHEM 105/L. We propose to eliminate MET 333 as an alternative course to MET 329 and MIS 276 as an alternative course to TMGT 195. We propose to require MATH 115 or MATH 111 and MET 215 and eliminate MATH 102 and 111 as an option. The course MCT 270 is changing to ECT 280. We propose to add the following courses to the program: MET 203, ECT 281, TMGT 351, MFG 376, TMGT 430, ECT 480 or ECT 444, PHYS 101/L, CS 151, and a three credit hour Physical Science elective. In addition, we propose to change the title and/or description of four courses: MFG 225, MFG 370, MFG 371, and TMGT 374. The faculty believe this will better prepare students for a career in Advanced Manufacturing Management.

Student Learning:

The proposed changes will achieve several goals. The program meets the accreditation standards set forth by the National Association of lndustrial Technology (NAIT). It will allow us better articulation opportunities with two-year schools. It includes content input from our industrial advisory board that will better help students in the program pass the SME and NAIT certification exams and above all will create a program that will better serve students and employers. Student outcomes assessment from alumni surveys, internship and employer surveys have identified necessary skills for a successful functioning professional in manufacturing management. Our 2004 reaccreditation by NAIT of both programs suggested some changes that would increase student learning and program effectiveness.

Proposed Catalog Copy:

Advanced Manufacturing Management Major (73 semester hours)
CIP Code: 150613 Major Code: _____

Required courses:
Electronics and Computer Technology (12 hours): 160—3 hrs.; 280—3 hrs.; 281—3 hrs.; 480—3 hrs. or 444—3 hrs.
Manufacturing (12 hours): 225—3 hrs.; 370—3 hrs.; 371—3 hrs.; 376—3 hrs.
Mechanical Engineering Technology (9 hours): 103—3 hrs.; 203—3 hrs.; 329—3 hrs.
Technology Management (24 hours): 131—2 hrs.; 351—3 hrs.; 374—3 hrs.; 430—1 hr.; 471—3 hrs.; 473—3 hrs.; 478—3 hrs.; 492—3 hrs.; 497—3 hrs.
Directed Electives (6 hours): Health 318—3 hrs.; Physical Science—3 hrs.
Directed Basic Studies: Mathematics 115—3 hrs. or Mathematics 111—3 hrs. and Mechanical Engineering Technolgoy 215—3 hrs.; Technology Management 195—3 hrs.
Directed Liberal Studies (10 hours): Computer Science 151—3 hrs.; Economics 100—3hrs.; Physics 101—4hrs. and 101L—1hr.

Preferred effective term: Fall 2008

PROGRAM ELIMINATIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Health, Safety, and Environmental Health Sciences

Environmental Health Sciences Major (60-61 semester hours minimum)
CIP Code: 512202 Major Code: A231

Brief Summary:

Pursuant to the university program prioritization decisions, the Environmental Health Sciences major is being eliminated effective January 2009. Courses required for the minor in Environmental Health Sciences will be maintained; all other Environmental Health courses will be banked.

Proposed Catalog Copy:

None.
Preferred effective term: Fall 2008

GRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from MCT to CNST:

720
Preferred effective term: Fall 2008

PROGRAM ELIMINATIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education

Master of Arts or Master of Science-Physical Education Teaching Licensure
CIP Code: 131314 Major Code: A565

Brief Summary:

As a result of Program Prioritization the Provost recommends elimination of the Masters in PE Teaching Licensure and the faculty concur.

Proposed Catalog Copy:
None.
Preferred effective term: Fall 2008