Academic Notes

JANUARY 7, 2008 **AN 2007-2008**

** SPECIAL NOTICES **

ARTICULATION AGREEMENTS

Program articulation 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:

Danville Area Community College
ASA Business Emphasis to BS Marketing
12/03/2007

ASA Business Emphasis to BS Business Administration
12/03/2007

ASA Business Emphasis to BS Accounting
12/03/2007

ASA Business Emphasis to BS Business Education
12/03/2007

ASA Business Emphasis to BS Finance
12/03/2007

ASA Business Emphasis to BS Information Design End-User Computing
12/03/2007

ASA Business Emphasis to BS Insurance and Risk Management
12/03/2007

ASA Business Emphasis to BS Management
12/03/2007

ASA Business Emphasis to BS Management Information Systems

12/03/2007

ASA Business Emphasis to BS Operations Management and Analysis
12/03/2007

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
January 9	January 14
January 16	January 22*
January 23	January 28
January 30	February 4
February 6	February 11
February 13	February 18
February 20	February 25
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

*January 21 University closed

FACULTY GOVERNMENT

FACULTY SENATE
EXECUTIVE COMMITTEE

The Executive Committee of the University Faculty Senate will meet at 3:15 p.m. on Tuesday, January 8, 2008, in Hulman Memorial Student Union 227.

Agenda

I. Administrative Report
II. Chair Report
III. Old Business
    a. Faculty criminal background checks
IV. New Business – Curriculum Proposals (Assoc Dean, Susan Powers)
    a. New graduate proposal – Public Librarian IV Certificate
    b. New graduate proposal – Library Media Additional License
V. Approval of Minutes
VI. Fifteen Minute Open Discussion
VII. Committee Liaison Reports
    a. AAC
    b. AEC
    c. CAAC
    d. FAC
    e. FEBC
    f. GC
    g. SAC
    h. URC

GRADUATE COUNCIL

Graduate Council will meet 8:00 - 9:20 a.m., Thursday, January 10, 2008, in Holmstedt Hall 223 (Political Science Conference Room.)

Agenda

1. Call to Order
2. Adoption of Agenda
3. Approve Minutes (distributed via email)
4. Reports
    a. Chairperson
    b. Faculty Senate Liaison
    c. Administrative (SOGS Dean, Registrar)
    d. Graduate Student Representative
    e. Other
4. Old/Unfinished/Ongoing Business
5. New Business
    a. Graduate Assistant Background Checks
6. Upcoming Items
    a. Graduate Student Assistantship/Fellowship Policy
    b. Recruitment Card
7. Adjournment

CURRICULUM

INDEX

UNDERGRADUATE PROPOSALS

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 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-equisite: 141 or consent of instructor. Students must pay an additional laboratory fee for this class.

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. Students must pay an additional laboratory fee for this class.
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. Students must pay an additional laboratory fee for this class.
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 will be covered as well as operating limitations, checklist, including crew resource management skills and Standard Operating Procedures. Prerequisite: 311, 325, 341 and 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 FTD. 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 FTD. Prerequisite: successful completion of 313 or instructor consent. Students must pay an additional laboratory fee for this class
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. Students must pay an additional laboratory fee for this class.
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. Students must pay an additional laboratory fee for this class.
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. Students must pay an additional laboratory fee for this class.
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. Students must pay an additional laboratory fee for this class.
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. Students must pay an additional laboratory fee for this class.
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 10 total flight hours in tailwheel aircraft and satisfactory completion of a tailwheel proficiency check. Prerequisites: Private Pilot Certificate, tailwheel endorsement, recommendation of chief CFI, 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 will be a study of the latest legislation passed by the 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. Prerequisites: 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: CFI, CFII certificates/ratings, Multi-Engine Rating, Tailwheel, and severe unusual attitude recovery log-book endorsements. Prerequisite: 344 or consent of instructor. Students must pay an additional laboratory fee for this class.

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.

Ichange 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. Students must pay an additional laboratory fee for this class.

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 will be 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 will be 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 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

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

NEW PROGRAMS

COLLEGE OF TECHNOLOGY: Technology Management

Human Resource Development for Higher Education and Industry (21 semester hours)
CIP Code: 521001 Minor Code: _____

Brief Summary:

Organizations, both public and private, are increasing their emphasis on employee education, learning, and performance. Many professional and technical jobs now include the responsibilities of orienting and developing new employees and the cross-training of others within their department. As a result, students from many disciplines will find themselves thrust into leadership roles within their profession and chosen organizations without complete preparation. This minor will provide knowledge and skills in human resource development to assist individuals in other departments and majors with improving human performance in their organizations.

Student Learning:

The Human Resource Development minor will provide students in the human resource development major and minor with an opportunity to gain an overview of other disciplines through course assignments, in-class discussions, group projects, and self-exploration. These experiential learning opportunities will allow the students to examine how the functions of human resource development can be applied in those disciplines.

Proposed Catalog Copy:

Human Resource Development for Higher Education and Industry (21 semester hours)
CIP Code: 521001 Minor Code: _____

The Human Resource Development Minor is open to all majors. The core courses compliment the skills students gain in their major discipline by examining the human resource development functions in a private-or public-sector organizational setting. These functions include developing and implementing training and safety programs, providing individual and career development, and leading organizational change and development.

Human Resource Development courses (12 hours): 276—3 hrs.; 420—3 hrs.; 425—3 hrs.; 480—3 hrs.
Technology Management courses (6 hours): 360—3 hrs.; 385—3 hrs.
Safety Elective (3 hours): AVT 425—3 hrs.; CNST 310—3 hrs.; HLTH 212—3 hrs., TMGT—3 hrs.
Preferred effective term: 2008

PROGRAM REVISIONS

COLLEGE OF TECHNOLOGY: Technology Management

Industrial Technology Management Major (59-63 semester hours)
CIP Code: 150612 Major Code: D935

Brief Summary:

The Technology Management program is still designed primarily to be a degree completion transfer program to articulate with regionally accredited associate of science and regionally accredited associate of applied science degree programs in industrial technology related areas. With a name change and content revision it will better be able to consistently fulfill those requirements. The deletion of Industrial from the title (Industrial Technology Management) to become Technology Management ™ is still in accord with National Association of Industrial Technology (NAIT) accreditation standards, as NAIT programs are meant to prepare technical managers. The Industrial Technology Management Program is currently accreditable by NAIT. The proposed changes are in accord with recommendations of faculty and students who expressed opinions that the term "industrial" sends a negative message to many potential students, in spite of the accuracy of it as a descriptor, and therefore, the title "Technology Management" should improve the marketability of this revised program. Another important issue is that many schools are dropping the term industrial in favor of the term engineering. By dropping "industrial" from the title we are perceived as more open to students from programs with "engineering" in the title.

Student Learning:

It is anticipated, after surveying present and potential students and potential employers, that revising the program name and clarifying requirements will result in more students transferring into the TM program, and that graduates of this program will be more marketable to industry in general.

Proposed Catalog Copy:

Technology Management Major (65 hours)
CIP Code: 150612 Major Code: _____

Required courses for freshmen or transfer students without an approved technical AS or AAS degree:
Electronics and Computer Technology (3 hours): 160—3 hrs.
Health, Safety, and Environmental Health Sciences (6 hours): 212—3 hrs.; 318 — 3 hrs.
Mechanical Engineering Technology (6 hours): 103—3 hrs.; 405—3 hrs.
Manufacturing (3 hours): 370—3 hrs. or 371—3 hrs. or 372—3 hrs.
Technology Management (21 hours): 351—3 hrs.; 429—3 hrs.; 471—3 hrs.; 473—3 hrs.; 491—3 hrs. or 497—3 hrs.; 492—3 hrs.; 478—3 hrs. or Electronics and Computer Technology 437—3

hrs.

Indiana State University minor in a technical area OR an approved technical concentration plus technical electives to complete this block of at least 18 hours.

Directed Basic Studies (3 hours): Mathematics 115—3 hrs.
Directed Liberal Studies (8 hours): Physics 105—3 hrs. and 105L—1 hr.; Physics 106—3 hrs. and 106L—1 hr. or Chemistry 100—3 hrs. and 100L—1 hr.

or

Degree completion for transfer students with an Associate of Science from a regionally accredited college in a related technical area (63 hours)*

Required courses:
Health, Safety, and Environmental Health Sciences (3 hours): 212—3 hrs. or 318—3 hrs.
Mechanical Engineering Technology (3 hours): 405 — 3 hrs.
Technology Management (21 hours): 351—3 hrs.; 429—3 hrs.; 471—3 hrs.; 473—3 hrs.; 491—3 hrs. or 497—3 hrs.; 492—3 hrs.; 478—3 hrs. or Electronics and Computer Technology 437—3 hrs.
Directed Electives: 21 hours from an approved minor or concentration in the College of Technology and/or approved upper division technical electives to complete this block.
Directed Basic Studies (3 hours): English 305—3 hrs. or 305T—3 hrs. or 405—3 hrs. or Business Education, Information, and Technology 336—3 hrs.
Directed Liberal Studies (12 hours): 300-400 level SBS:E—3 hrs.; 300-400 level LAPS:E—3 hrs.; 300-400 level MCS:IC—3 hrs.; GECAP—3 hrs.

*This program is designed primarily to be a degree completion program that articulates with regionally accredited Associate of Science degree programs in industrial and engineering technology related areas. This degree completion option includes ALL coursework for satisfying ISU graduation requirements.

or

Degree completion for transfer students with an Associate of Applied Science from a regionally accredited college in a related technical area (63 hours minimum)**

Required courses:
Health, Safety, and Environmental Health Sciences (3 hours): 212—3 hrs. or 318—3 hrs.
Mechanical Engineering Technology (3 hours): 405—3 hrs.
Technology Management (21 hours): 351—3 hrs.; 429—3 hrs.; 471—3 hrs.; 473—3 hrs.; 491—3 hrs. or 497—3 hrs.; 492—3 hrs.; 478—3 hrs. or Electronics and Computer Technology 437—3 hrs.

Directed electives: 21 hours from an approved minor or concentration in the College of Technology and/or approved upper division technical electives, and deficiencies from the A.A.S. degree, which may include Basic Studies/Liberal Studies, to complete this block.

Directed Basic Studies (3 hours): English 305—3 hrs. or 305T—3 hrs. or 405—3 hrs. or Business Education, Information, and Technology 336—3 hrs.

Directed Liberal Studies (12 hours): 300-400 level SBS:E—3 hrs.; 300-400 level LAPS:E—3 hrs.; 300-400 level MCS:IC—3 hrs.; GECAP—3 hrs.

**This program is designed primarily to be a degree completion program that articulates with regionally accredited Associate of Applied Science degree programs in industrial and engineering technology related areas. Any ISU-required major or general education lower-level coursework not completed in the A.A.S. degree must be completed before graduation from this degree program.

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 111—3 hrs or Mathematics 115—3 hrs. and Mechanical Engineering Technolgoy 215—3 hrs.; Technology Management 195—3 hrs.
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

PROGRAM ELIMINATIONS

COLLEGE OF TECHNOLOGY: Technology Management

Industrial Supervision Major (63 semester hours)

CIP Code: 520205 Major Code: ES240

Brief Summary:

This program is being eliminated. The B.S. in Industrial Supervision was recommended for realignment, reorganization or integration with other degree programs by the Program Prioritization Committee. It is being combined with the B.S. in Industrial Technology to create a new program: B.S. in Industrial Technology Management.

Proposed Catalog Copy:

None.
Preferred effective term: Fall 2008

GRADUATE PROPOSALS

NEW COURSES

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

CIMT 650 Classroom Management—3 hours. This course is designed to actively engage participants in identifying and understanding the theoretical and practical aspects of managing a productive learning environment. Case study provides the framework for application of problem-solving models and strategies.
Preferred effective term: Fall 2008

CIMT 658 Social and Political Influences on Classroom Practices—3 hours. This course is designed to actively engage participants in identifying and understanding the social and political bases for current educational legislation and initiatives, especially as these drive classroom practices.
Preferred effective term: Fall 2008

CIMT 665 Instructional Innovation—3 hours. This course is designed to provide a practical analysis of innovative instructional strategies that contribute to effective teaching and student learning.
Preferred effective term: Fall 2008

CIMT 689 Learning Theory and Instructional Strategies—3 hours. This course is designed to help students learn how theories of human learning and motivation can be applied to the instructional process in order to make the process more effective, efficient, and/or appealing. From theory to practice, this course helps students bridge learning theories with effective instructional strategy design.
Preferred effective term: Fall 2008

CIMT 775 Action Research in Education—3 hours. Students design and conduct a field-based action research project which explores a contemporary educational problem within a particular teaching environment. The activity challenges the student to bring together the integrated themes and topics encountered in the master's coursework. Prerequisite: 610.

Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

SAHE 652 Group Dynamics and Leadership—3 hours. An introduction to the theoretical and experiential understandings of group work including group development, purpose, and dynamics. Particular focus on leadership and advising roles with work groups and student groups.
Preferred effective term: Fall 2008

COURSE REACTIVATION

COLLEGE OF TECHNOLOGY: Aviation Technology

AST 591 Aerospace Management Seminar—1-6 hours. Special problems and current status within the field of aviation management and related industries are discussed. Emphasis will be placed upon the reading of research data, application of certain research designs/methods, and the reporting of findings from current periodicals, aviation reports, journals, and texts. Repeatable with a change in course content up to a maximum of 6 hours.

Reactivate, change prefix, title, repeat to:
AVT 591 Aviation Management Seminar—1-6 hours. Special problems and current status within the field of aviation management and related industries are discussed. Emphasis will be placed upon the reading of research data, application of certain research designs/methods, and the reporting of findings from current periodicals, aviation reports, journals, and texts. Repeatable with a change in course content up to a maximum of 6 hours.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

ITE 859 Internship in Industrial Technology Education—3-6 hours. A practicum designed to provide direct, supervised experiences for doctoral students in industrial arts and vocational education. The experiences are tailored to the needs of the student. The area in which the internship is taken will be designated on the student's transcript.

Reactivate, change prefix, title, and description to:
TCED 859 Professional Internship—3-6 hours. A practicum designed to provide direct, supervised experiences for doctoral students in technology education and career and technical education. The experiences are tailored to the needs of the student.
Preferred effective term: Fall 2008

COURSE BANKING

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

CIMT 560M
CIMT 565

CIMT 662
CIMT 664
Preferred effective term: Fall 2008

PROGRAM REVISIONS

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

Master of Science—Educational Technology (33 semester hours minimum)
CIP Code: 130501 Major Code: 8389

Brief Summary:

Educational technology develops dramatically. To keep up with the general tendency in this area, a revision of the current Master of Science in Educational Technology (Ed Tech) program at the Department of Curriculum, Instruction, & Media Technology (CIMT) is necessary. The current program was designed to meet the department's original goals for school teachers and technology coordinators. However, expressed interest by students has shown that it can hardly meet the current and potential students' needs anymore. In fact, the technology coordinator specialization has been removed from the Ed Tech program owing to low enrollment. This is part of the evidence of the need for changing the program to fit a broader spectrum of student interest and need.

A need was also identified in terms of ensuring our program meets the accepted standards for the field. The Association for Educational Communications and Technology (AECT) standards were selected because they are designed for "preparing educational personnel for positions in the broader arena of school media and educational technology in areas such as K-12 education, higher education, business, industry, military services, government, and health/community services" (AECT, 2005). A portion of the students on the MS in Ed Tech program have career goals beyond K-12 environments. While the program will serve those interested in K-12 settings, it will also meet the needs of students with goals set in higher education, business, or government. All the existing courses were examined against these standards.

Through review and comparison with the standards, major revision was determined. This revision includes a new required course and the removal of older courses that have historically been canceled due to low enrollment. The new required course is CIMT 689 Learning Theory and Instructional Strategies, which is created to strengthen students' fundamental theory base and to enhance effective instructional design skills. Several courses that are out of date, below the requirement level, or narrowly-focused are proposed to be removed.

This proposal for a revision of the existing Ed Tech program does not require additional resources from the university.

Persichitte, K.A. (2005). Standards for the Accreditation of School Media Specialist and Educational Technology Specialist Programs. Retrieved April 5, 2007 from http://www.aect.org

Student Learning:

The Association for Educational Communications and Technology (AECT) sponsors two sets of standards under the National Council for the Accreditation of Teacher Education (NCATE): 1) Standards for the Accreditation of Initial Programs that prepare School Media Specialists and Educational Technology Specialists, and 2) Standards for the Accreditation of Advanced Programs that prepare School Media Specialists and Educational Technology Specialists. For our program, only the Standards for the Accreditation of Advanced Programs will be used because both specializations of the Educational Technology program, Educational Technology and Library Media, are advanced programs.

A further rationale for the use of AECT standards is their recognition by the National Association for Accreditation of Teacher Education (NCATE) which is the body that accredits our initial and advanced teacher education programs. Because the Library Media specialization does allow for students to obtain a license to add to their initial teaching license (with the completion of another course outside of this program), accounting for meeting those requirements for those students only must be provided. However, NCATE accreditation is not required program-wide, so use of standards that will accommodate the needs of individual students is required. Therefore, use of the AECT standards allow us to meet the needs of all students in the program while also accommodating the individuals seeking licensure. Again, because the students seeking an additional license in Library Media already hold an initial license, use of the Advanced Programs standards is indicated.

According to the information provided by AECT that is intended to help institutions decide which set of standards is appropriate for a particular program, AECT standards are appropriate for the following programs
* programs preparing school media specialists
* programs preparing educational personnel for positions in the broader arena of school media and educational technology in areas such as K-12 education, higher education, business, industry, military services, government, and health/community services
* programs preparing K-12 technology leaders, technology specialists, and technology coordinators at the state, district, or building levels.
Those are the goals of the MS in Ed Tech program at CIMT. Therefore, AECT Standards are used to evaluate each course on the Ed Tech program.

The revised more effective program will benefit students in the following ways:

* A new Learning Theory and Instructional Strategies course will strengthen students' fundamental theory bases and enhance effective instructional design skills
* Updated information and technology requirements to better meet students' needs that will broaden students' job opportunities
* Removal of old courses that are out of date, below the requirement level, or narrowly-focused to provide students with opportunities of taking higher-level courses that will enhance students' educational technology skills for better job opportunities.

Proposed Catalog Copy:

Master of Science—Educational Technology (33 semester hours minimum)

CIP Code: 130501 Major Code: _____

As an interdisciplinary field of study, the Educational Technology program prepares students to systematically design and develop instruction with optimal use of technology, and to implement, manage, and evaluate the total process of teaching and learning in a variety of settings including K-12 schools, universities, government, business/industry, and the military to bring the most effective, efficient, and appealing instruction to various teaching and training settings. The program provides candidates with two possible specializations: one specialization provides deeper focus in educational computing and instructional design and one specialization provides deeper focus in Library Media. The library/media specialization (including an additional 3 credit hours of prerequisite) will add the Indiana Library/Media License to an existing Indiana license for the license school setting.

Degree Requirements:

Core Courses: Curriculum, Instruction, and Media Technology 610—3 hrs. and 620—3 hrs.

Specialization Areas:

Library/Media:

Required courses: Curriculum, Instruction, and Media Technology 509—3 hrs., 512—3 hrs., 513—3hrs., 522—3 hrs., 543—3 hrs., 631—3 hrs., 656—3 hrs., 660—3hrs., 659 (culminating practicum)—3 hrs.

Students desiring to add the Indiana Library/Media License to an existing Indiana license for the licensure school setting must take Curriculum, Instruction, and Media Technology 606—3 hrs. as an entry level course for the specialization.

Educational Technology:

Required courses: Curriculum, Instruction, and Media Technology 630—3 hrs., 640—3 hrs., 689—3 hrs., 793 (culminating practicum)—3hrs.; In consultation with advisor, select 15 hours from Curriculum, Instructional, and Media Technology 543—3 hrs., 625—3 hrs., 641—3 hrs., 647—3 hrs., 657—3 hrs., 672—3 hrs., 687—3 hrs., 720—3 hrs., 740—3 hrs.; Elementary Education 571—3 hrs., 671—3 hrs., 672—3 hrs.

*Culminating Experience***:** All students are required to complete a culminating practicum experience.

In general, one-half of the credit hours must be in courses numbered 600 or above.

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

Master of Education—Curriculum and Instruction (32 semester hours minimum)

CIP Code: 130301 Major Code: 8372

Brief Summary:

The primary purpose of this modification is to better prepare teachers and key stakeholders to take leadership roles in promoting and managing effective learning environments in schools. Beyond its importance to individual public school student's success, this leadership is critical as schools increasingly rely upon teachers and other key stakeholders as primary functionaries in envisioning and realizing school improvement. Moreover, accrediting bodies, such as the North Central Association, rely on this model for school improvement. Furthermore, school improvement is vital to individual school's success in demonstrating adequate yearly progress under the federal regulations of the No Child Left Behind legislation. As such, the program aims to support teachers and other key stakeholders in understanding and becoming effective in assuming their roles as leaders in schools.

A secondary purpose is to take advantage of the newly established concentrations in Banner to provide a more inclusive M. Ed. in Curriculum and Instruction. The new program will allow students for whom a master's degree is no longer feasible given program prioritization to earn an M.Ed. with a concentration in the desired content. Moreover, the new program will allow students to obtain the desired content while also allowing those with an existing teaching license the opportunity to professionalize that license. Concentrations will be added as disciplines so seek

Student Learning:

Results from student end-of-program surveys in addition to program prioritization outcomes drive this programmatic change.

Proposed Catalog Copy:

Master of Education—Curriculum and Instruction (33 semester hours minimum)
CIP Code: 130301 Major Code:_____

Degree Requirements:

Core Area Studies in Professional Education: (15 hours). The student must always include studies in the following core areas of professional education:
Research: Curriculum, Instruction, and Media Technology 610—3 hrs. or approved research course in major field or primary area as approved by advisor.
Curriculum: Curriculum, Instruction, and Media Technology 660—3 hrs.
Social Foundations: 3 hours from Curriculum, Instruction, and Media Technology 658, or Special Education 607, or social foundations course as approved by advisor.
Psychological Foundations: 3 hours from Educational Psychology 621.
Instruction-Supervision: 3 hours. Students not choosing a concentration outside curriculum and instruction may choose CIMT 689 or an approved course. Students choosing a concentration outside curriculum and instruction concentration may choose from CIMT 675 or CIMT 690 (Mentor Teacher Preparation.)

Area of Concentration: (15 hours). An academic area of concentration outside of curriculum and instruction may be chosen in the M.Ed. program. Those choosing an academic concentration must complete a minimum of 15 hours in the academic area.

Professionalizing a License: Professionalizing a Rules 2002 license may be accomplished by completion of the M.Ed. in Curriculum and Instruction, regardless of the selection of an academic concentration or not. For those choosing to professionalize a Rules 46 & 47 license, a major must complete a minimum of 6 hours in the major; those choosing to professionalize a minor must take a minimum of 12 hours in the minor. Those choosing to professionalize both a major and minor subject will take a minimum of 6 hours in the major and a minimum of 12 hours in the minor—thus increasing their overall program hours to 36 rather than 33 hours.

Addition of subject license to existing teaching license: Individuals who wish to add an additional subject license to the developmental/school setting license at which they are already licensed must contact the academic department.

Culminating Experience Requirement: (3 hours). The student must satisfactorily complete in the last 12 hours of the degree program Curriculum, Instruction, and Media Technology 775 — 3 hours. The Core Area Studies in Professional Education requirements of this degree are prerequisite to the culminating experience requirement.

Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

Master of Science—Student Affairs and Higher Education (39 semester hours minimum)
CIP Code: 131102 Major Code: 8487

Brief Summary:

This proposal reflects a change in two course requirements for the Student Affairs and Higher Education (SAHE) master of science program. Currently, students take COUN 615, Introduction to Group Work, and COUN 635, Career Development. The proposal is to replace these two courses with SAHE 652, Group Dynamics and Leadership, and ELAF 655, Legal Aspects of School Administration. A new course proposal for SAHE 652 is being submitted concurrently.

In addition, we are requesting a revision in the admission requirements to eliminate the requirements of coursework in behavioral sciences and standardized test scores on the Graduate Record Examination or Miller Analogies Test.

Student Learning:

The curriculum revision is the result of strategic planning sessions conducted by the SAHE instructional faculty in Spring 2007. Using professional standards for competencies of student affairs professionals as proposed by the American College Personnel Association and the Council for the Advancement of Standards in Higher Education, the faculty determined how best to meet professional standards through the SAHE curriculum. This revision will bring the SAHE program in line with current best practices in student affairs professional preparation programs.

The elimination of the requirement for coursework in behavioral sciences results from its lack of usefulness in admission decisions. This requirement is a holdover from the SAHE program's previous alignment with the former Department of Counseling; its inclusion in the SAHE admission standards was reasonable in alliance with the other programs in counseling. With our shift to the ELAF department and our shift in focus away from counseling and toward administration, the coursework that undergraduates complete as part of a general education program are sufficient prerequisites for success in the SAHE program.

Proposed Catalog Copy:

Master of Science—Student Affairs and Higher Education (39 semester hours minimum)
CIP Code: 131102 Major Code: _____

The master's degree program in Student Affairs Administration is designed to provide professional training for entry positions in the student affairs field at university, college, and two-year post-secondary levels. Focus areas of performance include residence halls, student development, management, admissions, financial aid, student activities, student health promotion, career development, non-traditional student populations, and other areas. A corollary purpose is to provide a foundation for advanced work in this field and the closely related fields of counseling, guidance, and higher education. The program is offered on-campus and as distance education, although SAHE 533, SAHE 641, and SAHE 652 or their equivalent must be taken in a traditional classroom.

Admission Requirements:

Each applicant must satisfy the general criteria for admission to the School of Graduate Studies and each of the following requirements:

1. Have an overall undergraduate grade point average near or above 2.75 on a 4.00 point scale. For students with a GPA near or below 2.75 on a 4.00 point scale GPA, special attention is given to their final 60 credit hours.
2. Have an approved Assistantship or work full time in an approved area of Student Affairs and Higher Education. Exceptions may be made on a case by case basis.

Degree Requirements:

Research: Student Affairs and Higher Education 651 or Counseling 712—3 hrs.
Student Affairs and Higher Education: Student Affairs and Higher Education 637—3 hrs.; 638—3 hrs.; 640—3 hrs.; 641—3 hrs.; 650—3 hrs.; 652—3 hrs.; 680—3 hrs.; Educational Leadership, Administration, and Foundations 655—3 hrs.
Practicum and Internship Experiences: SAHE 533—3 hrs.; SAHE 634—9 hrs.
Thesis (optional): Educational Leadership, Administration, and Foundations 699—6 hrs.
Preferred effective term: Fall 2008

GRADUATE APPROVALS

NEW COURSE

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

ATTR 686L Advanced Functional Human Anatomy Laboratory—1 hour. This course is designed to help post undergraduate athletic trainers and other human performance professionals correctly identify human anatomical landmarks and tissues via 2-D and 3-D images and layering.
Preferred effective term: Fall 2008

COURSE REVISIONS

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

ATTR 525 Administration of Athletic Health Care Delivery Systems—3 hours. Current issues in the organization and administration of athletic health care delivery systems in secondary, collegiate, professional, corporate, clinical, and industrial settings will be covered regarding the preparation and subsequent role of the certified athletic trainer.

Change number, title, and description to:

ATTR 625 Administration and Teaching—3 hours. Comprehensive examination (through reading, discussion, and role-playing) of clinical teaching, learning and assessment, facility management, insurance, and reimbursement issues will be presented in this course. Current literature regarding technique efficacy will be included and provide the foundation of the course.
Preferred effective term: Fall 2008

ATTR 661 Athletic Trauma—Lower Extremity—3 hours. Evaluation of athletic injuries to the lower extremity using advanced techniques. Special tests, radiological evaluation, and surgical techniques will be discussed. Current literature will be read and abstracted by the students.

Change title and description to:

ATTR 661 Diagnostics and Rehabilitation-Lower Extremity—3 hours. Comprehensive examination (through reading, discussion, and hands-on practice) of athletic injuries to the lower extremity using advanced evaluation and rehabilitation techniques will be presented in this course. Current literature regarding efficacy of special tests and rehabilitation will be included and provide the foundation of the course. Particular emphasis will be placed on the gait analysis and lower back evaluation.
Preferred effective term: Fall 2008

ATTR 662 Athletic Trauma—Upper Extremity—3 hours. Evaluation of athletic injuries to the upper extremity using advanced techniques. Special tests, radiological evaluation, and surgical techniques will be discussed. Current literature will be read and abstracted by the students.

Change title and description to:

ATTR 662 Diagnostics and Rehabilitation-Upper Extremity—3 hours. Comprehensive

examination (through reading, discussion, and hands-on practice) of athletic injuries to the upper extremity using advanced evaluation and rehabilitation techniques will be presented in this course. Current literature regarding efficacy of special tests and rehabilitation will be included and provide the foundation of the course. Particular emphasis will be placed on the overhead athlete.
Preferred effective term: Fall 2008

ATTR 675 Therapeutic Modality and Rehabilitation Techniques—3 hours. An investigation of the skills and techniques necessary to properly use therapeutic modalities and therapeutic exercise for sports injury rehabilitation.

Change title and description to:

ATTR 675 Therapeutic Modalities—3 hours. Comprehensive examination (through reading, discussion, and hands-on practice) of therapeutic modalities. Emphasis will be on current literature, how recent research fits into clinical practice, and new modalities on the market.
Preferred effective term: Fall 2008

ATTR 676 Therapeutic Modality and Rehabilitation Theory—3 hours. An investigation of the theoretical and teleological basis of sports injury rehabilitation, therapeutic modalities, and exercise equipment. Prerequisite: admission to the athletic training program.

Change title and description to:

ATTR 676 Manual Therapy—3 hours. Various manual therapy techniques for soft tissue will be presented through reading, discussion, and hands-on practice. Knowledge of professional issues related to the manual therapy techniques will also be included.
Preferred effective term: Fall 2008

ATTR 686 Rehabilitative Biomechanics—3 hours. Tissue and joint biomechanics, kinematics, and kinetics of normal and abnormal movement as they relate to sports injury evaluation and rehabilitation.

Change title, description, and credit hours to:

ATTR 686 Advanced Functional Human Anatomy Lecture—2 hours. This course is designed to help post undergraduate athletic trainers and other human performance professionals correctly identify human anatomical structures related to body movement and movement principles. Additionally, this course is designed to investigate the theoretical and teleological basis of tissue and joint biomechanics of normal movement.
Preferred effective term: Fall 2008

ATTR 698 Sports Injury Research Seminar—3 hours. Students identify problems related to sports injury management (prevention, care, and rehabilitation) skills and techniques and then design and carry out a research project. Results must be presented in both written and oral forms on campus, and a journal manuscript must be submitted to a professional journal. Prerequisites: 691 and at least 15 additional hours of graduate athletic training course work.

Change title and description to:

ATTR 698 Research Project—3 hours. By arrangement with the chairperson of the student's project committee. Student will identify a research question and then design and carry out a research study to answer the question. Additionally, the student will develop an oral and poster presentation and an abstract to be submitted for presentation at a professional conference.

Preferred effective term: Fall 2008

COURSE BANKING

COLLEGE OF ARTS AND SCIENCES: Communication

The following courses are to be banked:

COMM 510	**COMM 554**	**COMM 648**
COMM 513	**COMM 567**	**COMM 649**
COMM 515	**COMM 641**	

Preferred effective term: Fall 2008

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

ATTR 643
ATTR 655
ATTR 656
Preferred effective term: Fall 2009

PROGRAM REVISIONS

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

Ph.D. Curriculum and Instruction (72 semester hours minimum)
CIP Code: 130301 _____

Brief Summary:

In taking advantage of the newly established concentrations in Banner the program is moving from multiple majors with Ph.D. in Curriculum and Instruction (each specialization having it's own major code) to one major code with multiple concentrations. This has created a need to have a single Curriculum and Instruction major through which to house the concentrations.

Student Learning:

Results from preliminary examinations and from dissertations.

Proposed Catalog Copy:

Ph.D. Curriculum and Instruction (72 semester hours minimum)
CIP Code: 130301 Major Code: _____

Degree Requirements:

A. *Foundational Studies (6 hours minimum)*

To develop competencies through understanding of contributions from philosophical, sociological, historical, and psychological foundations of education.

Courses:

Doctoral Level Foundations Course (3 hrs)

Foundations Specific Elective (3 hrs.)

B. Inquiry Studies (12 hours minimum)

To develop competency in statistics, measurement, and research in education.

Courses:

CIMT 610 (3 hrs.) required

CIMT 800B (3 hrs) required

Choose one of the following groups:

Quantitative Analysis: EPSY 612 (3 hrs), EPSY 712 (3hrs); minimum grade of "B" required in each course

OR

Qualitative Analysis: EPSY 710 (3 hrs), EPSY 711 (3 hrs); minimum grade of "B" required in each course

C. Core Area—Curriculum and Instruction (24 hours minimum)

To provide the knowledge and understanding essential to every specialist in curriculum, instruction, and supervision.

Courses:

Curriculum: CIMT 660 (3 hrs), CIMT 860 (3 hrs)

Design: CIMT 620 (3 hrs), CIMT 720 (3 hrs)

Instruction: CIMT 862 (3 hrs), CIMT 868 (3 hrs)

C&I: Content specific and/or directed electives. Recommended electives include CIMT 675 (3 hrs.), CIMT 689 (3 hrs.), CIMT 740 (3 hrs.), CIMT 770 (3 hrs.), CIMT 864 (3 hrs.), CIMT 866 (3 hrs.)

D. Related Studies (0-6 hours)

Courses from content areas may be selected to enhance special competencies. Independent study, field experiences, and internship assignments are utilized in this program as a means for achieving thorough preparation and competence. The final program for each student is cooperatively developed by the student, the advisor, and the doctoral committee.

Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

Ph.D. Curriculum and Instruction Specializations (72 semester hours minimum)

CIP Code: 130301	**Major Codes:**	**Early Childhood Education**	**8386**
		Educational Technology	**8392**
		Elementary Education	**8387**
		English Education	**8380**
		History Education	**8383**
		Industrial Technology Education	**8381**
		Language Education	**8385**
		Mathematics Concentration	**8391**
		Teaching and Learning	**8390**

Secondary Education 8379
Special Education 8393

Brief Summary:

The purpose is to take advantage of the newly established concentrations in Banner to move from multiple majors with Ph.D. in Curriculum and Instruction (each specialization having it's own major code) to one major code with multiple concentrations. This will limit major codes while still being able to track student data in each concentration.

Student Learning:

Results from preliminary examinations and from dissertations.

Proposed Catalog Copy:

Ph.D. Curriculum and Instruction Concentrations (72 semester hours minimum)
CIP Code: 130301 Concentration Codes: Early Childhood Education _____
Educational Technology _____
Elementary Education _____
English Education _____
History Education _____
Industrial Technology Education _____
Language Education _____
Mathematics Concentration _____
Post-Secondary Teaching and Learning _____
Secondary Education _____
Special Education _____

Degree Requirements:

A. Foundational Studies (6 hours minimum)

To develop competencies through understanding of contributions from philosophical, sociological, historical, and psychological foundations of education.

Courses:

Doctoral Level Foundations Course (3 hrs)
Foundations Specific Elective (3 hrs.)

B. Inquiry Studies (12 hours minimum)

To develop competency in statistics, measurement, and research in education.

Courses:

CIMT 610 (3 hrs.) required
CIMT 800B (3 hrs) required
Choose one of the following groups:
Quantitative Analysis: EPSY 612 (3 hrs), EPSY 712 (3hrs); minimum grade of "B" required in each course

OR

Qualitative Analysis: EPSY 710 (3 hrs), EPSY 711 (3 hrs); minimum grade of "B" required in each course

C. Core Area—Curriculum and Instruction (24 hours minimum)

To provide the knowledge and understanding essential to every specialist in curriculum, instruction, and supervision.

Courses:

Curriculum: CIMT 660 (3 hrs), CIMT 860 (3 hrs)
Design: CIMT 620 (3 hrs), CIMT 720 (3 hrs)
Instruction: CIMT 862 (3 hrs), CIMT 868 (3 hrs)
C&I: Content specific and/or directed electives (6 hrs). Recommended electives include CIMT 740 (3 hrs.), CIMT 770 (3 hrs.)

D. Area of Concentration (24 hours minimum)

To enable the student to develop either (a) further study in curriculum, instruction, or supervision, or (b) a specialized program emphasizing an academic area as appears below.

Below are the approved concentrations. If a course or set of courses is required, that notation appears with the area of concentration.

Early Childhood Education
Educational Technology
Elementary Education
English Education
History Education
Industrial Technology Education
Math Education
Secondary Education
Language Education
Post Secondary Teaching and Learning

Recommended courses:

ELAF 686 - Academic Leadership in Higher Education
ELAF 687 - Higher Education in the United States
ELAF 752 - Organization and Governance in Higher Education
ELAF 763 - Seminar on Students in Higher Education
Special Education

The concentration in special education requires 24 graduate hours in the field of special education. Students will take 12 hours from:

SPED—690 Directed Study in Special Education
SPED—695 Research in Special Education
SPED—698 Advanced Topics in Special Education
SPED—685 Grant Development and Program Evaluation
SPED—790 Individual Research and Study

An additional 12 hours in graduate courses as directed by the doctoral committee is required to complete additional prerequisite course work.

E. Related Studies (0-6 hours)

Courses from content areas may be selected to enhance special competencies in the area of specialization. Independent study, field experiences, and internship assignments are utilized in this

program as a means for achieving thorough preparation and competence. The final program for each student is cooperatively developed by the student, the advisor, and the doctoral committee.
Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Elementary and Early Childhood Education

Non-Degree Gifted and Talented Endorsement (15 semester hours)
Eliminate any related program codes

Brief Summary:

A Gifted and Talented Teaching License endorsement approach, to be added to a teaching license at any level, had been approved previously at ISU, following State requirements of 12 hours for a standard license and an additional 3 hours requirement to obtain licensure at the professional level.

Current Indiana DOE Division of Professional Standards requirement is to follow the GT Standards from the Council for Exceptional Children. A standards matrix shows that these standards can be met and assessed in three courses. This will result in a series of courses that can be offered more consistently, offered at a distance at times, and (with the National Standards) be applicable beyond Indiana. The current catalog copy also does not give any specifics on what courses are required.

Student Learning:

This program has not been active due to the number of courses necessary, and a de-emphasis in the State on GT. Recent interest has been revived and the institution is receiving increased inquiries about the GT program. This brings the inline with current expected outcomes and assessment strategies.

Proposed Catalog Copy:

Non-Degree Gifted and Talented Teaching License (9 semester hours)
New Program Code: _____

This content area may be added to an existing, current, Rules 2002 Indiana teaching license at the school level of the current license. For holders of a Rules 46/47 license, a new 2002 GT license will be issued at the developmental level of the existing license. The addition of this license may be completed only at the graduate level.

Required courses: Special Education 590--3 hours, 591--3 hours, 578--3 hours.
Preferred effective term: Fall 2008

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

Master of Science—Athletic Training (33 semester hours minimum)
CIP Code: 510913 Major Code: A873

Brief Summary:

Due to changes in athletic training undergraduate education, students are entering the graduate program with a higher level of skills and knowledge. We feel that in order to lead this field and separate ourselves from other institutions, we need to alter our program. Through exit interviews and department discussions we have developed courses with content that we feel reflects advancements made in entry-level curriculum and will truly offer an advanced level of learning appropriate for graduate education.

The attached course changes include alteration to names and content of existing courses, one course number change, banking 3 courses, and adding a statistics course to the program requirements. We are also planning to increase the program length from 1 year to 2 years. During the transition year, we will offer both a 1 year and a 2 year option, in which a portion of the recruited class would go through each program.

Proposed Catalog Copy:

Master of Science—Athletic Training (33 semester hours minimum)
CIP Code: 510913 Major Code:_____

Research (9-12 hours): 691—3 hrs, 698—3 hrs or 699—6 hrs, and Statistics-3 hrs. (Choose 1 of the following: Educational Psychology 612—3 hrs., Health 604, or Physical Education 605).
Major (18 hours): Required 625—3 hrs; 661—3 hrs; 662—3 hrs; 675—3 hrs; 676-3 hrs, 686—2 hrs, and 686L-1
Electives: 3-6 hours Courses approved by advisor.
Culminating Experience: Successful completion of thesis or research project, prepared abstract to be submitted for presentation at a professional conference, and the development of an oral and poster presentation.

NOTE: At least 6 hours of credit must be from inside or outside the Athletic Training Department as approved by advisor.
Preferred effective term: Fall 2008

PROGRAM ELIMINATIONS

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

Instructional Supervision—School Media Services (24 semester hours minimum)
Major Code: JF67

Brief Summary:

These programs have had no activity for many years and are no longer relevant to the license.

Eliminate.

Post-Master's, Non-Degree Program—Instructional Supervision

Students who have completed the requirement for the Professional Teaching License in School Media Services and who have a grade point average of 3.25 or better on all graduate work undertaken may be admitted to the Instructional Supervision Program and qualify for the Instructional Supervision Standard License upon completion of the following appropriate program. The licenses may be professionalized upon completion of five years of experience in supervision subsequent to the issuance of the Standard License.

Instructional Supervision—School Media Services (24 semester hours minimum)

The student must complete, either as a part of his/her master's degree or part of the post-master's, the following:

3 hours from Educational Leadership, Administration, and Foundations 650 or 681; 3 hours from Elementary Education 675 or Curriculum, Instruction, and Media Technology 675; 6 hours from Elementary Education 660 and Curriculum, Instruction, and Media Technology 770 or Curriculum, Instruction, and Media Technology 660 and Elementary Education 770; Educational Leadership, Administration, and Foundations 608—3 hrs.; Curriculum, Instruction, and Media Technology 656—3 hrs.; Curriculum, Instruction, and Media Technology 640—3 hrs.; 743—3 hrs.

Proposed Catalog Copy:

None.
Preferred effective term: Fall 2008