



# *Academic Notes*

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JANUARY 28, 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:

Vincennes University

AA Liberal Arts - Philosophy Concentration to BS Philosophy

12/10/2007

### **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 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

## **FACULTY GOVERNMENT**

### **FACULTY SENATE EXECUTIVE COMMITTEE**

The Executive Committee of the University Faculty Senate will meet at 3:15 p.m. on Tuesday, January 29, 2008 in the Hulman Memorial Student Union 227.

#### *Agenda*

- I. Administrative Report
- II. Chair Report
- III. Information Item – J. Beacon
- IV. Approval of Minutes
- V. Fifteen Minute Open Discussions
- VI. New Business
  - Curriculum Proposal, M. Zhou
    - 1. Automotive Technology Management Minor
- VII. Old Business - None
- VIII. Committee Liaison Reports
  - 1. AAC
  - 2. AEC
  - 3. CAAC
  - 4. FAC
  - 5. FEBC
  - 6. GC

7. SAC
8. URC

## **STUDENT AFFAIRS COMMITTEE**

The Student Affairs Committee will meet on Friday, February 1, 2008, at 2:00 p.m. in the Library, Room 028.

### **Agenda #5**

- I. Call to Order
- II. Adoption of the Agenda
- III. Approval of the Minutes of December 6<sup>th</sup>, 2007
- IV. Review of Ongoing Charges for 2007-2008
  - A. Faculty-speaking seat on SGA.
  - B. Oversee the Faculty Scholarship.
  - C. Facilitate student attendance at standing committee meetings.
  - D. Explore paperless “change of grade” process.
  - E. Investigate support for and implementation of process necessary to create minus grades.
  - F. Re-evaluate the value of retaining “Study Week.”
  - G. Investigate the value of extending winter break and creation of January “intercession.”
  - H. Evaluate feasibility of schedule that reserves one day a week for labs/internships for students and committee/research for faculty.
  - I. Formulate recommendations to enhance student services to promote greater retention of first-year students
  - J. .
  - K. Formulate and evaluate recommendations related to improvement of academic advising.
  - L. Receive and review documents pertaining to student services and advising within the College of Nursing, Health, and Human Services.
  - M. Other Charges
- V. Reports
  - A. Chairperson
  - B. Administrative Representatives
  - C. Student Representatives
- VI. Old Business
- VII. New Business
  - A. Review and Discussion of Academic Integrity Policy
- VIII. Adjournment

## **UNIVERSITY RESEARCH COMMITTEE**

The University Research Committee will meet on Friday, January 24, at 4:00 p.m. in the Science Building, room S54.

1. Call to order
2. Approval of minutes.
3. Elections
  - a. Chair
  - b. Secretary
  - c. Representative to Dreiser Committee
4. Summary of Fall Award Cycle
  - a. Status of Awarded Proposals
  - b. Status of Declined Proposals
5. Preview of Spring Award Cycle
  - a. Timeline
  - b. Number of proposals
  - c. Budget
6. Open discussion

## CURRICULUM

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# UNDERGRADUATE PROPOSALS

## 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 will be 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 (CRM) 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 CRM 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. Prerequisite: 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, airline practices and procedures. Prerequisite: 323, 327, and 403.

*Preferred effective term: Fall 2008*

**AVT 367 Multi-Engine Flight**--2 hours. The flight and ground instruction required for the Multi-Engine Rating. A Multi-Engine Rating is required for completion of this course. Prerequisites: 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 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, FAR (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**

**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 & balance, physiology, regulations, cross country planning, weather, and decision making skills.

*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 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. Area of study includes: aircraft electrical, hydraulic, pneumatic, fuel, propeller, engine, auxiliary systems, including operation, maintenance, and cockpit trouble shooting.

Prerequisite: 211 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*

## **COURSE ELIMINATIONS**

### **COLLEGE OF TECHNOLOGY: Aviation Technology**

AST 143

*Preferred effective term: Fall 2008*

## **PROGRAM REVISIONS**

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

**Automotive Technology Management Major (69 semester hours)\***

**CIPCode: 150803 Major Code: D936**

### **Brief Summary:**



Three substantive changes are proposed:

1. Due to reorganization in the College of Technology and the subsequent changing course prefixes it is necessary to update the catalog appropriately.
2. The Automotive Technology Management (ATM) faculty propose to change the math requirement from MATH 115 to MATH 111 or MATH 115 or higher. Effective in the Fall of 2006 the ATM program changed from MATH 111 to MATH 115 in an attempt to improve student's performance in IMT 215 Graphic Analysis (now MET 215), which is based upon solving technological "word" problems using elements of algebra, geometry, trigonometry, and statistics. Graphic Analysis has since been improved to include more asynchronous instruction in the basic elements of math and problem solving. Thus the original need to require MATH 115 is no longer valid. The combination of MATH 111 and IMT 215 (now MET 215) is an approved QLOC substitution. Transfer students seldom have credit for MATH 115. Students in the ATM program are required to take MET (IMT) 215 Graphic Analysis. After further review the ATM faculty find that MATH 111 and MET 215 is the practical math preparation for ATM majors.
3. In addition to the prefix change and the change in MATH requirement, it is proposed that a degree completion transfer program option be added in the catalog, similar to the Industrial Technology Management degree (approved in May 2007) to articulate with regionally accredited associate of science and regionally accredited associate of applied science automotive service degree programs which are also accredited by the National Automotive Technicians Education Foundation (NATEF). The combination of both accreditations, regional and NATEF, ensure a standard level of competence with regard to academic rigor and automotive technical content that satisfies ISU's interests and ultimately allows for such a robust degree completion program. The College Blue Book lists over 538 institutions across the United States with two year automotive service programs. The vast majority are accredited both regionally and by NATEF. With such a degree completion option the need for cumbersome articulation agreements with each individual institution that meets the accreditation standards is eliminated. In addition, this degree completion option can be easily marketed to two-year graduates across the U.S., raising the ATM program to a level of national recognition. Although this degree completion option is not yet deliverable completely at a distance, alternative modes of instruction are being explored which will make the degree program more amenable to distance students.

The Automotive Technology Management Program Advisory Committee has discussed such a degree completion program over the last four meetings spanning two years. All comments were positive and helpful, building the appropriate course structure for those students transferring to ISU with a degree in hand. Automotive faculty members and administrators from IVY Tech and Vincennes were represented on the advisory committee at each of the four meetings. It was also noted that this program would allow them to encourage students to complete their degrees at the two-year level, while concurrently encouraging them to transfer on to ISU.

### **Student Learning:**

The ATM program is accredited by the National Association of Industrial Technology (NAIT). The accreditation standards have been carefully reviewed and the changes proposed will not adversely affect accreditation.

It is anticipated that the proposed addition of a degree completion option will encourage more students to transfer to the ATM program at ISU, thus increasing the number of graduates and increasing industry awareness, which will positively impact program effectiveness.

### **Proposed Catalog Copy:**

#### **Automotive Technology Management Major (69 semester hours)\***

**CIP Code: 150803 Major Code: \_\_\_\_\_**

#### **Required courses:**

**Automotive Engineering Technology:** 132—3 hrs.; 233—3 hrs.; 239—3hrs.; 335—3 hrs.; 336—3 hrs.; 432—3 hrs.; 433—3 hrs.; 435—3 hrs.; 436—3hrs.; 440—3 hrs.

**Mechanical Engineering Technology:** 103—3 hrs.; 215—3 hrs.; 329—3 hrs.; 333—3 hrs.; 351—3 hrs.; 430—1 hr.

**Electronics and Computer Technology:** 160—3 hrs.

**Health, Safety, and Environmental Health Sciences:** 212—3 hrs.

**Manufacturing:** 370 or 371 or 372—3 hrs.

**Mathematics:** 111—3 hrs. or 115—3 hrs. or higher

**Management:** 301—3 hrs. or Technology Management: 492—3hrs.

**Directed Liberal Studies:** Chemistry 100—3 hrs.; 100L—1 hr.; Physics 101—3 hrs. and 101L—1 hr. or 105—3 hrs.and 105L—1 hr.

\* includes 14 hours of General Education

**or**

*Degree completion with an Associate of Science (A.S.) from a regionally accredited institution in an Automotive program accredited by the National Automotive Technicians Education Foundation (NATEF).*

#### **B.S. in Automotive Technology Management , A.S. Transfer option (64 semester hours) \*\***

#### **Required courses:**

**Automotive Engineering Technology:** 336—3 hrs.; 432—3 hrs.; 433—3 hrs.; 435—3 hrs.; 436—3hrs.; 440—3 hrs.

**Mechanical Engineering Technology:** 103—3 hrs.; 215—3 hrs.; 329—3 hrs.; 333—3 hrs.; 351—3 hrs.; 430—1 hr.

**Management:** 301—3 hrs. or Technology Management: 492—3hrs.

**Basic Studies:** 3—hrs. upper division English course

**Liberal Studies:** LAPS:E 3—hrs.; SBS:E 3—hrs.; MCS:IC 3—hrs.; GECAP 3—hrs.

**Electives:** 12 hours of upper division approved electives.

\*\* This option is designed as a degree completion articulation for NATEF accredited automotive service programs from regionally accredited institutions. This degree completion option includes all coursework for satisfying graduation requirements at Indiana State University.

**or**

*Degree completion with an Associate of Applied Science (A.A.S.) from a regionally accredited institution in an Automotive program accredited by the National Automotive Technicians Education Foundation (NATEF).*

**B.S. in Automotive Technology Management, A.A.S. Transfer option (minimum 64 semester hours) \*\*\***

**Required courses:**

**Automotive Engineering Technology:** 336—3 hrs.; 432—3 hrs.; 433—3 hrs.; 435—3 hrs.; 436—3 hrs.; 440—3 hrs.

**Mechanical Engineering Technology:** 103—3 hrs.; 215—3 hrs.; 329—3 hrs.; 333—3 hrs.; 351—3 hrs.; 430—1 hr.

**Management:** 301—3 hrs. or Technology Management: 492—3 hrs.

**Basic Studies:** 3—hrs. upper division English course

**Liberal Studies:** LAPS:E 3—hrs.; SBS:E 3—hrs.; MCS:IC 3—hrs.; GECAP 3—hrs.

**Electives:** 12 hours of upper division approved electives or deficiencies in basic and liberal studies.

\*\*\* This option is designed as a degree completion articulation for NATEF accredited automotive service programs from regionally accredited institutions. Any Indiana State University required major or general education coursework not completed in the associate of applied science degree must be completed in addition to above requirements before graduation from this program.

*Preferred effective term: Fall 2008*

**COLLEGE OF TECHNOLOGY: Technology Management**

**Manufacturing Technology Minor (19 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. Several changes were made to the major which also affect the minor. The changes are to remove some courses from the minor 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 and TMGT 477. We propose to add the following course to the program: MFG 225. The course MCT 270 is changing to ECT 280. In addition, we propose to change the title and/or description of three courses: MFG 370, MFG 371, and TMGT 374.

The faculty believe this will better prepare students with a minor in Advanced Manufacturing Management.

### **Student Learning:**

The proposed changes will achieve several goals. It will allow us better articulation opportunities with two-year schools for those students who may want this minor. It includes content input from our industrial advisory board that 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 Minor (20 semester hours minimum)**

**CIP Code: 150613 Minor Code: \_\_\_\_\_**

#### **Required courses:**

**Manufacturing:** 6 hours from 225--3 hrs; 370—3 hrs or 371--3 hrs.

**Mechanical Engineering Technology:** 103—3 hrs

**Technology Management:** 131—2 hrs; 478—3 hrs

**Directed Electives:** Minimum of 6 hours from Electronics and Computer Technology 160—3 hrs; 280—3 hrs; Mechanical Engineering Technology 329—3 hrs; Technology Management 374—3 hrs; 471—3 hrs; 492—3 hrs.

*Preferred effective term: Fall 2008*

## **GRADUATE PROPOSALS**

### **NEW COURSES**

**COLLEGE OF TECHNOLOGY: Technology Management**

**PKG 582 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 will be in package design and construction in relation to constraints and limitations of a variety of products. Graduate students will be required to write a research paper on the content of this course using APA (American Psychological Association) style.

*Preferred effective term: Fall 2008*

**PKG 584 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. Graduate students will be required to write a research paper on the content of this course using APA (American Psychological Association) style.

*Preferred effective term: Fall 2008*

**PKG 586 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 will include development of a packaging line layout for a product. Graduate students will be required to write a research paper on the content of this course using APA (American Psychological Association) style.

*Preferred effective term: Fall 2008*

**PKG 589 Packaging Industry Projects**--3 hours. Live industry projects will allow students to gain experience designing, developing, evaluating, and testing packaging systems for real products. Students will work directly with partner companies to come up with optimal packaging systems. Graduate students will be required to write a research paper on the content of this course using APA (American Psychological Association) style.

*Preferred effective term: Fall 2008*

## **UNDERGRADUATE APPROVALS**

### **NEW COURSES**

#### **COLLEGE OF TECHNOLOGY: Technology Management**

**HRD 350 Labor Relations in Human Resource Development**—3 hours. A study of the historical, legal, and economic foundations of labor relations in the United States. Application of knowledge and strategies in labor relations practices are included.

*Preferred effective term: Fall 2008*

**HRD 355 Work-Life Integration**--3 hours. An exploration of how work and family interconnect and

influence each other. The course analyzes the implications of these linkages from the perspective of multiple stakeholders, including women, men, children, and employers. Students learn how gender, social class, family structure, and race affect individuals' balancing acts. Such topics as historical overview of the relationship between work and family, work-family conflict, organizational work-life policies and programs, and legal and business issues concerning work-life are studied.

*Preferred effective term: Fall 2008*

## **COURSE REVISIONS**

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

**IMT 132 Introduction to Automotive Engines**—3 hours. Theory and laboratory experiences utilizing contemporary automotive engines.

*Change title and description to:*

**AET 132 Theory of I.C. Engines**--3 hours. Theory and laboratory experiences utilizing contemporary engines.

*Preferred effective term: Fall 2008*

**IMT 335 Body Control Systems**—3 hours. Investigation of modern automotive body related computer systems and controls including vehicle networking protocols. Prerequisites: 136 or Electronics and Computer Technology 160, and Industrial and Mechanical Technology 233, or consent of instructor

*Change prefix and prerequisites to:*

**AET 335 Body Control Systems**—3 hours. Investigation of modern automotive body related computer systems and controls including vehicle networking protocols. Prerequisites: 233, 239, and Electronics and Computer Technology 160, or consent of instructor.

*Preferred effective term: Fall 2008*

**IMT 336 Engine Fuels and Lubricants**—3 hours. Application and analysis of automotive fuels and lubricants with emphasis on testing in accordance with industry standards and practices. Laboratory experiences include testing of fuels, oils, and greases. Alternative fuels and their potential environmental impacts will also be explored.

*Change prefix and add prerequisites to:*

**AET 336 Engine Fuels and Lubricants**—3 hours. Application and analysis of automotive fuels and lubricants with emphasis on testing in accordance with industry standards and practices. Laboratory experiences include testing of fuels, oils, and greases. Alternative fuels and their potential environmental impacts will also be explored. Prerequisites: Chemistry course and Mechanical Engineering Technology 329.

*Preferred effective term: Fall 2008*

**IMT 436 Diesel Engines**—3 hours. This course is designed to provide information related to the ever-growing diesel engine and equipment field. Specific emphasis is placed on fundamental design, fuel injection systems, lubrication, cooling, starting, turbo-charging, and diesel engine applications. Prerequisite: 132 or consent of instructor.

*Change prefix and remove prerequisite to:*

**AET 436 Diesel Engines**—3 hours. This course is designed to provide information related to the ever-growing diesel engine and equipment field. Specific emphasis is placed on fundamental design, fuel injection systems, lubrication, cooling, starting, turbo-charging, and diesel engine applications.

*Preferred effective term: Fall 2008*

## **COLLEGE OF TECHNOLOGY: Technology Management**

Change of prefix only from MCT to MFG:

372

376

*Preferred effective term: Fall 2008*

## **COLLEGE OF TECHNOLOGY: Technology Management**

**MCT 225 Manufacturing Materials**—3 hours. A study of the properties of materials which make them suitable for manufacturing applications. The major emphasis will be on ceramic, plastic, and metallic materials found in current manufacturing processes.

*Change prefix and title to:*

**MFG 225 Introduction to Materials, Processes and Testing**—3 hours. A study of the properties of materials which make them suitable for manufacturing applications. The major emphasis will be on ceramic, plastic, and metallic materials found in current manufacturing processes.

*Preferred effective term: Fall 2008*

**MCT 370 Fundamentals of Machine Tool Processes**—3 hours. Theory and laboratory experiences dealing with measurement, inspection, cutting, computer-assisted numerical control, and newly Id processes.

*Change prefix, title, and description to:*

**MFG 370 Fundamentals of Manufacturing Processes**—3 hours. Theory and laboratory experiences dealing with basic machining and chip forming processes, inspection, cutting, computer-assisted numerical control, and newly developed processes.

*Preferred effective term: Fall 2008*

**MCT 371 Manufacturing Processes and Materials**—3 hours. Metallic materials and their applications in casting, forming, finishing, fabrication, and assembly.

*Change prefix and description to:*

**MFG 371 Manufacturing Processes and Materials**—3 hours. Giving materials usable form and improved function through the application of processes including casting, forming, fabrication, conditioning, and assembly.

*Preferred effective term: Fall 2008*

## **GRADUATE APPROVALS**

### **COURSE REVISIONS**

## **COLLEGE OF TECHNOLOGY: Technology Management**



Change of prefix only from ITE to TMGT:

685

699

*Preferred effective term: Fall 2008*

### **COLLEGE OF TECHNOLOGY: Technology Management**

Change of prefix only from MCT to TMGT:

519

597

696

578

601

697

*Preferred effective term: Fall 2008*

**MCT 700 Human Relations and Leadership in Manufacturing**—3 hours. A course on the human side of manufacturing organizations. The course deals with how people organize, and how they relate to one another. Students will learn that the aforementioned are shaped by forces from both inside and outside of the organization. These forces, then, are indicators of emerging trends in leadership, management, and organizational design in manufacturing.

*Change prefix to:*

**MFG 700 Human Relations and Leadership in Manufacturing**—3 hours. A course on the human side of manufacturing organizations. The course deals with how people organize, and how they relate to one another. Students will learn that the aforementioned are shaped by forces from both inside and outside of the organization. These forces, then, are indicators of emerging trends in leadership, management, and organizational design in manufacturing.

*Preferred effective term: Fall 2008*

## **NEW PROGRAMS**

### **COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology**

#### **Library Media Additional License (27 semester hours)**

#### **Brief Summary:**

This online program, consisting of 27 hours of integrated library media courses, allows an individual to add a library media content area to an existing Rules 2002 teaching license in Indiana at the school level of the existing license. Residents of states other than Indiana must check with their state's accrediting agency to ensure transferability.

This proposal for a new program does not require additional resources from the university as the proposed coursework is currently associated with a Library/Media specialization in our MS in Educational Technology. Enrollment is robust and course sections are routinely full (20-25 students)

each semester. Using our current structure to support a licensure program does not strain university resources but does allow flexibility for the student who seeks only the license.

### **Student Learning:**

This is a proposal for a new program that would be accredited through NCATE as part of our teacher education programs.

The "assessment" that necessitates this proposal is an outcome of student migration in and out of the Master of Science in Educational Technology with specialization in Library Media program. Some students seek admission into the MS in Educational Technology program with the intention of only completing the courses required for licensure. Once the courses are completed, the student is actually eligible for the license so the student achieves the desired outcome (licensure) while appearing on our rolls as program non-completers. Conversely, some students are admitted as non-degree, post-licensure only. Many complete the collection of courses and subsequently decide to complete the MS in Educational Technology not understanding that only a limited number of courses completed for the license can actually be applied to the MS by virtue of Graduate School rules regarding transfer of non-degree credit hours. Obviously, the lack of clarity about this circumstance resulting from not having an approved and appropriately advertised licensure program often leads to confusion and frustration among the students, as well as the faculty involved in advisement.

This program has been in existence for at least 5 years as a collection of courses that lead to the license, but was never formally proposed as a non-degree program, such that it would appear in the catalog and that student head counts could be tracked through Banner. Program prioritization did not include this program because it did not in reality "exist" and student head count could not be tracked.

### **Proposed Catalog Copy:**

#### **Library Media Additional License (27 semester hours)**

This online program, consisting of 27 hours of integrated library media courses, allows an individual to add a library media content area to an existing Rules 2002 teaching license in Indiana at the school level of the existing license. Residents of states other than Indiana must check with their state's licensing agency to ensure transferability.

Students seeking to complete the program in international settings are responsible for access to current technologies to complete program requirements. They are also responsible for securing placement in appropriate school and public library settings for completion of program requirements.

#### ***School Library Media Services license:***

##### **Introductory Block** (Prerequisites: none)

CIMT 606 Foundations of Libraries and Librarianship	3 hours
CIMT 509 Selection of Library Materials	3 hours
CIMT 512 Literature for Young People	3 hours

CIMT 513 Topics in School and Public Libraries	3 hours
CIMT 543 Production of Instructional Materials	3 hours

**Intermediate Block** (Prerequisites: Completion of 9 hours in Introductory Block)

CIMT 522 Introduction to Cataloging and Classification	3 hours
CIMT 631 Reference Sources - Services for Library Media	3 hours
CIMT 656 School and Public Library Administration	3 hours

**Culminating Course Experience** (Prerequisites: Completion of 21 certification hours)

CIMT 659 Practicum in Library Media	3 hours
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*Preferred effective date: Fall 2008*

**COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology**

**Public Librarian IV Certificate (15 semester hours)**

**Brief summary:**

This online program, consisting of 15 hours of integrated library media courses, allows an individual to obtain certification required for directors of public libraries serving communities with a population of 10,000 or fewer. Students seeking a Public Librarian IV certification must meet other minimum requirements set forth by the State Library of Indiana. Residents of states other than Indiana must check with their state's certification agency to ensure transferability.

This proposal for a new program does not require additional resources from the university as the proposed coursework is currently associated with a Library/Media specialization in our MS in Educational Technology. Enrollment is robust and course sections are routinely full (20-25 students) each semester. Using our current structure to support a certificate program does not strain university resources but does allow flexibility for the student who seeks only the certificate.

**Student Learning:**

The "assessment" that necessitates this proposal is an outcome of student migration in and out of the Master of Science in Educational Technology with specialization in Library Media program. Some students seek admission into the MS in Educational Technology program with the intention of only completing the courses required for the certificate. Once the courses are completed, the student is actually eligible for the certificate so the student achieves the desired outcome (certification) while appearing on our rolls as program non-completers. Conversely, some students are admitted as non-degree certification only. Many complete the collection of courses and subsequently decide to complete the MS in Educational Technology not understanding that only a limited number of courses completed for the certification can actually be applied to the MS by virtue of Graduate School rules regarding transfer of non-degree credit hours. Obviously, the lack of clarity about this circumstance resulting from not having an approved and appropriately advertised certification program often leads to confusion and frustration among the students, as well as the faculty involved in advisement.

This program has been in existence for at least 5 years as a collection of courses that lead to the certificate, but was never formally proposed as a non-degree program, such that it would appear in the catalog and that student head counts could be tracked through Banner. Program prioritization did not include this program because it did not in reality "exist" and student head count could not be tracked.

### **Proposed Catalog Copy:**

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Students seeking to complete the program in international settings are responsible for access to current technologies to complete program requirements. They are also responsible for securing placement in appropriate school and public library settings for completion of program requirements.

#### **Requirements:**

CIMT 509 Selection of Library Materials	3 hours
CIMT 512 Literature for Young People	3 hours
CIMT 522 Introduction to Cataloging and Classification	3 hours
CIMT 631 Reference Sources - Services for Library Media	3 hours
CIMT 656 School and Public Library Administration	3 hours

*Preferred effective term: Fall 2008*