Academic Notes

** SPECIAL NOTICES **

ACADEMIC NOTES PUBLICATION SCHEDULE FOR FALL 2007

Below is the circulation schedule for the electronic copy of *Academic Notes* through December 17, 2007. **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 FALL 2007

Deadline for Items	Issue Date
December 12	December 17

FACULTY GOVERNMENT

FACULTY SENATE EXECUTIVE COMMITTEE

The Executive Committee of the University Faculty Senate will meet at 3:15 p.m. on Tuesday, December 11, 2007, in Hulman Memorial Student Union 227.

Agenda

I. Administrative Report
II. Chair Report
III. Information Item from W. Downs, HR
IV. Old Business
    a. further discussion of faculty criminal background checks
V. New Business
    a. Seating new member to CAAC, no alternate available
    b. Seating new member to Athletics, no alternate available
VI. Approval of Minutes
VII. Fifteen Minute Open Discussion
VIII. Committee Liaison Reports
    a. AAC
    b. AEC
    c. CAAC
    d. FAC
    e. FEBC
    f. GC
    g. SAC
    h. URC

FACULTY SENATE

The University Faculty Senate will meet at 3:15 p.m. on Thursday, December 13, 2007 in Dede III.

Agenda

I. Administrative Report
II. Chair Report
III. SGA Report
IV. Information Item – Academic calendar
V. Approval of Minutes
    a. October 2007
    b. November 2007
VI. Fifteen Minute Open Discussion
VII. New Business
    a. Graduate Faculty Status (E.C. approved 9-0-0)
    b. Responsibilities of Students and Dissertation/Thesis Chairs and Committees (E.C. approved 9-0-0)
    c. MS Computer Science, new graduate degree (E.C. approved 9-0-0)
    d. Additions to committees
    e. Revision of existing Athletic Training Program (E.C. approved all 8-0-0)
        i. banking existing course, Clinical Experience I
        ii. banking existing course, Clinical Experience II

       iii.   banking existing course, Current Trends in Athletic Training
       iv.   title & description change, Athletic Trauma-Lower Extremity
       v.   title & description change, Athletic Trauma-Upper Extremity
       vi.   title, number, & description change, Administration of Athletic Health Care Delivery Systems
       vii.   title & description change, Therapeutic Modalities and Rehabilitation Theory
       viii.   title & description change, Therapeutic Modality and Rehabilitation Techniques
       ix.   title, description, credits, pre-/co-requisites change, Rehabilitative Biomechanics
       x.   new graduate course, Advance Functional Human Anatomy Laboratory
       xi.   title & description change, Sports Injury Research Seminar

II.   Old Business
III.   Committee Reports
    a.   AAC
    b.   AEC
    c.   CAAC
    d.   FAC
    e.   FEBC
    f.   GC
    g.   SAC
    h.   URC

ADMINISTRATIVE AFFAIRS COMMITTEE

The Administrative Affairs Committee will meet at 10: 00am on Friday, December 14
In Myers Tech, TC 101E.

Agenda

1. Open Time (10 minutes).
2. Minutes of November 16.
3. Old business
    a. Future academic calendars.
    b. Committee on budget recommendations.
4. Meeting schedule for spring semester.
5. New business.

CURRICULUM

UNDERGRADUATE PROPOSALS

NEW COURSES

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

AET 001 Elective--.5 to 99.0 hours.
Preferred effective term: Fall 2008

AET 002 Elective--.5 to 99.0 hours.
Preferred effective term: Fall 2008

AET 199 Honors Summer Seminar for High School Students—1-3 hours. Topics in automotive engineering technology. Open only to high school students on completion of their junior year.
Preferred effective term: Fall 2008

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 will be 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. It analyzes the implications of these linkages from the perspective of multiple stakeholders, including women, men, children, and employers. Students will learn how gender, social class, family structure, and race affect individuals' balancing act. 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 will be studied.
Preferred effective term: Fall 2008

COURSE REVISIONS

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

Change of prefix only from IMT to AET:

330	432	440
331	435	461
334	437	

Preferred effective term: Fall 2008

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

Change of prefix only from IMT to MET:

001	304	406
002	306	407
103	329	409
130	333	413
199	351	430
203	403	
299	404	

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from IMT to TMGT:
421
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from ITE to TMGT:
335
345
369
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from MCT to CNST:

106	213
206	320

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from ITE to TCED:
307
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from ITE to HRD:
276
489
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from ITE to CTE:

381	483	494
472	484	
481	485	

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

Change of prefix only from MCT to TMGT:

131	471	492
255	473	495
430	491	497

Preferred effective term: Fall 2008

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 233 Engine Systems and Controls—3 hours. Theory and diagnosis of automotive engine control systems covering fuel delivery, ignition, and emissions. Includes use of electronic diagnostic equipment. Prerequisites: 132 and either 136 or Electronics and Computer Technology 160.
   Change prefix, and prerequisites to:
AET 233 Engine Systems and Controls—3 hours. Theory and diagnosis of automotive engine control systems covering fuel delivery, ignition, and emissions. Includes use of electronic diagnostic equipment. Prerequisites: 132 and Electronics and Computer Technology 160.
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 433 Service Facility Organization and Management—3 hours. Facility utilization, work scheduling, record keeping, maintenance, and supervisory responsibilities associated with modern vehicle service. Prerequisite: 233 or 334.
    Change prefix and delete prerequisite to:
*AET 433 Service Facility Organization and Management—3 hours. Facility utilization, work scheduling, record keeping, maintenance, and supervisory responsibilities associated with modern vehicle service.
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

*IMT 493 Industrial and Mechanical Technology Workshop—1-3 hours. Content of each workshop will be related to one of the department's areas of emphasis in technology. Course may be repeated for up to 6 hours credit.
    Course may be repeated for up to 6 credit hours. Change prefix, title, and description to:
*AET 493 Practicum in Mechanical or Automotive Engineering Technology--1-3 hours. Content of each practicum will be related to one of the department's areas of emphasis in technology. Course may be repeated for up to 6 hours credit.
Preferred effective term: Fall 2008

†ECT 160 Electronic Fundamentals—3 hours. Provides an in-depth study of electronic components and basic laws and theories of electronics. Content includes resistance, electromotive force, current, power, and other parameters that apply to D.C. Provide a study of electronic components and system in relation to alternating current. Course includes reactances, A.C. generation, and introduction to power supplies and amplifiers.
    Change description to:
†ECT 160 Electronic Fundamentals—3 hours. Provides an in-depth study of electronic components and basic laws and theories of electronics. Content includes resistance, electromotive force, current, power, and other parameters that apply to D.C. Provide a study of electronic

components and system in relation to alternating current. Course includes reactances, A.C. generation, and introduction to power supplies and amplifiers. (Non-majors only.)
Preferred effective term: Fall 2008

†**ECT 165 D.C. Circuits and Design**—3 hours. Elementary empirical design and practical laboratory experiences involving D.C., digital multimeters, and time measurements. The course involves the study of measuring and monitoring devices used in electronics and computers. Intense study of the performance of discrete electronic components within a variety of application circuits. Prerequisites: 160 and proficiency in algebra.
    Change description and prerequisites to:
†**ECT 165 D.C. Circuits and Design**—3 hours. Elementary empirical design and practical laboratory experiences involving D.C., digital multimeters, and time measurements. The course involves the study of measuring and monitoring devices used in electronics and computers. Intense study of the performance of discrete electronic components within a variety of application circuits. Prerequisite: Proficiency in algebra.
Preferred effective term: Fall 2008

ECT 172 Computer Hardware Components—3 hours. Provides an in-depth study of the main components of typical computer systems including the interaction and control elements of the individual parts. A laboratory approach to computer systems, interconnections, and interfaces necessary to communicate with peripheral devices and the world. The first of two courses required to prepare for the A+ Certification Program. Prerequisite: information technology major or permission of the instructor.
    Change title to:
ECT 172 Computer Component Essentials—3 hours. Provides an in-depth study of the main components of typical computer systems including the interaction and control elements of the individual parts. A laboratory approach to computer systems, interconnections, and interfaces necessary to communicate with peripheral devices and the world. The first of two courses required to prepare for the A+ Certification Program. Prerequisite: information technology major or permission of the instructor.
Preferred effective term: Fall 2008

MCT 270 Introduction to Automated Manufacturing Systems—3 hours. Automated manufacturing systems including mechanical, electronic, and computer-based systems which are used in the operation and control of production. The technology includes (1) machine tools for automatic part processing; (2) automatic material handling systems; (3) automatic assembly processing; (4) continuous flow processes; (5) feedback control systems; (6) computerized process control and computerized systems for data collection, planning, and decision making to support manufacturing activities.
    Change prefix, number, and title to:
ECT 280 Introduction to Automation—3 hours. Automated manufacturing systems including mechanical, electronic, and computer-based systems which are used in the operation and control of production. The technology includes (1) machine tools for automatic part processing; (2) automatic

material handling systems; (3) automatic assembly processing; (4) continuous flow processes; (5) feedback control systems; (6) computerized process control and computerized systems for data collection, planning, and decision making to support manufacturing activities.
Preferred effective term: Fall 2008

ECT 272 Computer Software Components—3 hours. This course is the second half of a two-semester sequence. It provides technical information and laboratory experiences for an in-depth study of the operating systems software that currently run typical PC computers. Students are introduced to operating system software, its installation, troubleshooting, upgrade, and preventative maintenance. Course content is consistent with the knowledge base required for existing industry certification. Prerequisite: 172 or consent of instructor.
   Change number and title to:
ECT 372 Advanced Computer Components—3 hours. This course is the second half of a two-semester sequence. It provides technical information and laboratory experiences for an in-depth study of the operating systems software that currently run typical PC computers. Students are introduced to operating system software, its installation, troubleshooting, upgrade, and preventative maintenance. Course content is consistent with the knowledge base required for existing industry certification. Prerequisite: 172 or consent of instructor.
Preferred effective term: Fall 2008

MCT 468 Applications of Robotic and Automation Systems—3 hours. Robotic applications to manufacturing problems and incorporation of flexible manufacturing systems to the industrial environment. Work cell design and operation will be stressed with consideration for safety, production flexibility, robot configuration, robot accessories, and computer integration of the total manufacturing process.
   Change prefix and number to:
ECT 480 Applications of Robotic and Automation Systems—3 hours. Robotic applications to manufacturing problems and incorporation of flexible manufacturing systems to the industrial environment. Work cell design and operation will be stressed with consideration for safety, production flexibility, robot configuration, robot accessories, and computer integration of the total manufacturing process.
Preferred effective term: Fall 2008

IMT 215 Graphic Analysis—3 hours. Graphically and analytically solving technical mathematical problems commonly encountered by engineers and technologists utilizing elements of algebra, geometry, trigonometry, and statistics. Prerequisite: Mathematics 115 or consent of the instructor.
   Change prefix, and remove prerequisites to:

MET 215 Graphic Analysis—3 hours. Graphically and analytically solving technical mathematical problems commonly encountered by engineers and technologists utilizing elements of algebra, geometry, trigonometry, and statistics.
Preferred effective term: Fall 2008

IMT 302 Applied Statics—3 hours. Resultants and equilibrium, force systems, reactions, moments, couples, trusses, frames, sheaves, pulleys, and friction. Graphic and analytic methods. Prerequisite: 215.

Change prefix and prerequisite to:

MET 302 Applied Statics---3 hours. Resultants and equilibrium, force systems, reactions, moments, couples, trusses, frames, sheaves, pulleys, and friction. Graphic and analytic methods. Prerequisite: 215 or Mathematics 115, or equivalent.

Preferred effective term: Fall 2008

*IMT 405 Economic Analysis for Technology—3 hours. This course is designed to provide technology students with the principles of investment economic analysis and decision-making among alternatives including replacement. Inflation, depreciation, cost concepts, bond issue, and income tax considerations are other topics to be covered. Prerequisite: Mathematics 111 or 115.

Change prefix, title, description, and prerequisites to:

***MET 405 Economic Analysis for Engineering and Technology**—3 hours. This course is designed to provide students with the principles of investment economic analysis, decision-making among alternatives, and replacement analysis. Inflation, depreciation, cost concepts, bond, and income tax considerations are included. Prerequisite: Mathematics 115.

Preferred effective term: Fall 2008

IMT 408 Elements of Machine Design—3 hours. A survey of the important elements in tools and machines, working stress, shafting, springs, screw, clutches, brakes, lubrication, bearings, gears, cylinders, flywheels, and cams. Prerequisite: 406.

Change prefix and prerequisites to:

MET 408 Elements of Machine Design---3 hours. A survey of the important elements in tools and machines, working stress, shafting, springs, screw, clutches, brakes, lubrication, bearings, gears, cylinders, fly wheels, and cams. Prerequisites: 306 and 406 or equivalent.

Preferred effective term: Fall 2008

IMT 490 Topics in Industrial and Mechanical Technology—1-3 hours. Selected topics which are not usually presented in regularly scheduled courses. Each topic will be printed as a part of the course title in the *Schedule of Classes.*

Course can be repeated for up to 6 credit hours. Change prefix, title, and description to:

MET 490 Topics in Mechanical or Automotive Engineering Technology—1-3 hours. Selected topics which are not usually presented in regularly scheduled courses. Each topic will be printed as a part of the course title in the Schedule of Classes. Course may be repeated for up to 6 hours credit.

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

MCT 133 Introduction to Construction Technology and Management—2 hours. An orientation course for construction technology and management students.

Change prefix, number, title, and description to:

CNST 101   Introduction to Construction Management--2 hours. An orientation course for construction management students.
Preferred effective term: Fall 2008

MCT 211 Construction Methods and Equipment—3 hours. Sequential operations in building and road construction, including heavy equipment options and applications, concrete, steel, asphalt, earthwork methods, and cost control.

Change prefix, number, title, and description to:

CNST 111 Construction Materials, Methods, and Equipment--3 hours. A review of the properties, sizes and uses of materials; an analysis of the sequence of construction; and an introduction to construction equipment.

Preferred effective term: Fall 2008

MCT 413 Construction Specifications and Contract Documents—3 hours. General conditions of the construction contract, construction specifications, agreement forms, addenda, change orders, and subcontracts. Prerequisite: 306 or consent of instructor.

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

CNST 201 Construction Contract Documents and Project Delivery--3 hours. Working drawings, project manual, and project delivery. Examines relationships and responsibilities of all parties to a construction contract. Prerequisite: 111.

Preferred effective term: Fall 2008

MCT 214 Plan Interpretation and Quantity Take-Off—3 hours. Introduction to the basics blue print interpretation and quantity take-off for commercial and residential construction projects.

Change prefix, description, and ad prerequisite to:

CNST 214 Plan Interpretation and Quantity Take-Off—3 hours. Interpetation of working drawings and quantity take-off for commercial and residential construction projects. Prerequisite: 111.

Preferred effective term: Fall 2008

MCT 218 Statics—3 hours. Analysis of forces to maintain equilibrium of components and materials used in the construction process. Prerequisites: Must have completed Industrial and Mechanical Technology 215 or Mathematics 115 and 122 with grade of C or better, or have equivalent transfer credits.

Change prefix, description, and prerequisites to:

CNST 218 Statics -- 3 hours. Analysis of forces to maintain equilibrium of components and materials used in the construction process. Prerequisites: Mathematics 115 or Mechanical and Engineering Technology 215.

Preferred effective term: Fall 2008

MCT 304 Construction Scheduling—3 hours. A study of the planning and scheduling processes of the construction industry. Scheduling systems such as CPM, GANTT, and PDM will be stressed.

Change prefix, description, and prerequisites to:

CNST 304 Construction Scheduling--3 hours. A study of the planning and scheduling practices of the construction industry. Prerequisite: 214.

Preferred effective term: Fall 2008

MCT306 Commercial Design and Construction—3 hours. Planning a commercial steel and/or concrete building from a program with a specific site, including code requirements, detailed drawings, and project cost estimate. Prerequisite: 206.
Change prefix and prerequisites to:
CNST 306 Commercial Design and Construction—3 hours. Planning a commercial steel and/or concrete building from a program with a specific site, including code requirements, detailed drawings, and project cost estimate. Prerequisite: 106.
Preferred effective term: Fall 2008

MCT 310 Construction Safety—3 hours. An analysis of OSHA regulations as they pertain to the construction industry. Course includes job site visits and reporting. Upon successful completion of this course, students will receive a 30-hour OSHA certification. Prerequisite: 211, or consent of instructor.
Change prefix, description, and remove prerequisites to:
CSNT 310 Construction Safety--3 hours. An analysis of OSHA regulations as they pertain to the construction industry. Course includes job site visits and reporting. Upon successful completion of this course, students will receive a 10-hour OSHA certification.
Preferred effective term: Fall 2008

MCT 314 Estimating and Cost Analysis—3 hours. Construction contractual relationships, estimates, bids, and cost control. Quantity survey methods, labor and material costs for light and commercial construction projects. Prerequisites: 214.
Change prefix, title, and description to:
CNST 314 Estimating and Bid Preparation--3 hours. Estimating construction costs and preparation of bid documents. Prerequisite: 214.
Preferred effective term: Fall 2008

MCT 318 Strength of Building Materials—3 hours. Analysis of internally induced stresses as the result of externally applied forces in various types of structural members used in the construction process. Prerequisites: 218 or Industrial and Mechanical Technology 302.
Change prefix and prerequisites to:
CNST 318 Strength of Building Materials—3 hours. Analysis of internally induced stresses as the result of externally applied forces in various types of structural members used in the construction process. Prerequisites: 218 or Mechanical Engineering Technology 302.
Preferred effective term: Fall 2008

MCT 414 Construction Inspection—3 hours. Inspection of contracted building construction from the standpoint of confirmation to the contract documents and accepted industry standards. Prerequisite: 413.
Change prefix, title, description, and prerequisites to:
CNST 414 Construction Quality Control and Assurance--3 hours. Quality control and assurance of contracted construction from the standpoint of confirmation to the contract documents and industry standards. Prerequisite: 201.

Preferred effective term: Fall 2008

MCT 418   Design of Temporary Structures—3 hours. Design of temporary structures used by the constructor in the construction process, to include concrete mix design. Prerequisites: 318.
  Change prefix and description to:
CNST 418 Design of Temporary Structures--3 hours. An introduction to the materials, methods, and techniques associated with temporary structures used in various construction operations such as concrete formwork, scaffolding, falsework, and shoring. Prerequisite: 318.
Preferred effective term: Fall 2008

MCT 420 Plane Surveying—3 hours. Basic surveying, use of instruments, recording and computing data, site layout, and earthwork.
  Change prefix, description, and add prerequisites to:
CNST 420 Plane Surveying--3 hours. Basic surveying, use of instruments, recording and computing data, site layout, and earthwork. Prerequisite: Mathematics 115 or Mechanical Engineering Technology 215.
Preferred effective term: Fall 2008

MCT 450 Construction Management—3 hours. Management of construction using the project management system. Students will be expected to take the national AIC certification examination. Prerequisites: 306, 413, Electronics and Computer Technology 369, or consent of instructor.
   Change prefix, description, and prerequisites to:
CNST 450 Construction Management--3 hours. A comprehensive overview of construction project management. Prerequisites: 201, 304, and 314.
Preferred effective term: Fall 2008

*ITE 473 Evaluating Student Performance—3 hours. Application of evaluation techniques of competency-based technical education including use of profile charts, job descriptions, and performance rating.
  Change prefix, title, and description to:
*HRD 473 Evaluating Learner Performance--3 hours. Application of evaluation techniques to competency-based instruction including use of profile charts, job descriptions, and performance assessment.
Preferred effective term: Fall 2008

*ITE 480 Vocational Industrial Psychology—3 hours. Application of psychology of teaching vocational technical subjects. Psychomotor skills, psychology of work, occupational decision making, and development theory are included.

    Change prefix, title, and description to:

*HRD 480 Industrial Organizational Psychology--3 hours.

An overview of the study of human behavior in industry and organizations. Application of methods and practices of Industrial Organizational Psychology in the workplace.

Preferred effective term: Fall 2008

*ITE 495 (A-E; G; I-J; L-R; T; U) Vocational Technical Education Workshop—1-3 hours. A study of the related industries and advancing technologies which influence occupations and training.

    Change prefix, title, credit hours, and description to:

*HRD 495 Contemporary Issues in Human Resource Development--3 hours. A study of the contemporary issues in organizations which influence the performance and development of the workforce.

Preferred effective term: Fall 2008

ITE 115 Introduction to Technology Education—1 hour. An orientation course for persons entering or exploring technology education as a professional option.

    Change prefix, title, description, and credit hours to:

TCED 115 Introduction to Technology and Engineering Technology--3 hrs. An introduction to teaching technology and engineering education (K-12) including: the history of the profession; its philosophies and roles in the education of all children; its professional culture; and legal issues.

Preferred effective term: Fall 2008

ITE 222 Metals Technology—3 hours. A conceptual overview of the basic industrial procedures and processes used in the production of metal products. The processes of separating, molding and forming, fabricating, conditioning, and surface treating are emphasized using classroom and laboratory experiences.

    Change prefix, title, and description to:

TCED 222 Material Processing--3 hrs. Skill development in layout, separating, forming, joining, and finishing processes used to manipulate metals, woods, composites, and plastics.

Preferred effective term: Fall 2008

ITE 327 Manufacturing Technology I—3 hours. A systematic investigation of the structure of manufacturing with laboratory experiences in a simulated manufacturing enterprise.

    Change prefix, title, and description to:

TCED 327 Production Systems--3 hrs.

An enterprise approach to how things are produced ranging from manufacturing to construction; includes product and process design, scheduling, estimating, purchasing, safety, and quality.

Preferred effective term: Fall 2008

ITE 490 Innovative Practices in Technology Education—2 hours. A laboratory environment for

the study of improved conventional practice with emphasis upon creative approaches and practical planning.

   Change prefix, title, credit hours, and description to:

TCED 490 Instructional Methods and Education Trends--3 hrs.

Effective teaching methods for Technology and Engineering Education teachers. This course is designed to help prospective teachers gain insights into teaching methodology and continue to develop their teaching skills, including discipline, laboratory design and management, safety, and purchasing supplies and equipment.

Preferred effective term: Fall 2008

MCT 295 Introduction to Computer Applications—3 hours. This course is designed to provide all first year and transfer students with the basic working knowledge of computers, computer applications, and information management skills necessary to succeed in today's information technology based society. *General Education Credits [GE2000: Information Technology Literacy]*

   Change prefix and number to:

TMGT 195 Introduction to Computer Applications—3 hours. This course is designed to provide all first year and transfer students with the basic working knowledge of computers, computer applications, and information management skills necessary to succeed in today's information technology based society. *General Education Credits [GE2000: Information Technology Literacy]*

Preferred effective term: Fall 2008

ITE 351 B-Z Cooperative Industrial Practice—3 hours. Coordinated work experience in industry and a comprehensive written report of the experience. Prerequisite: participation in Professional Practice Program.

   May be repeated for 3 hours. Change prefix, title, and description to:

TMGT 351 Professional Internship--3 hours.

Coordinated work experience in industry, which will result in a comprehensive written report of the experience. Repeatable for three hours.

Preferred effective term: Fall 2008

MCT 374 Industrial Work Methods, Measurements, and Methods Improvements—3 hours. Motion and time study, predetermined times, performance ratings, and standard data in relationship to cost reduction and methods improvement.

   Change prefix, title, and description to:

TMGT 374 Lean Manufacturing Systems--3 hours. The holistic study of the principles and practices of manufacturing methodologies based on maximizing value and minimizing waste in the manufacturing processes. Study will include investigation of manufacturing flow; organization for efficiency; monitoring, controlling, and improving processes of manufacturing; metrics used to measure performance; and logistics for planning and controlling flow of material.

Preferred effective term: Fall 2008

ITE 385 Methods and Strategies for Instructional Programs—3 hours. Instructional procedures and practices in the classroom and laboratory environment. Emphasis placed upon the non-traditional learner in a post-secondary setting.

Change prefix and description to:

TMGT 385 Methods and Strategies for Instructional Programs-3 hours. Instructional procedures and practices in the classroom and laboratory environment. Emphasis placed upon the non-traditional learner in post-secondary setting.

Preferred effective term: Fall 2008

ITE 394 Occupational Liability and Safety—3 hours. The investigation of safety in a teaching laboratory environment, need for safety programs, planning a safe environment and concern for liability.

Change prefix and description to:

TMGT 394 Occupational Liability and Safety--3 hours. The investigation of the safety environment. Safety terminology, hazards, and the need for safety training programs are included.

Preferred effective term: Fall 2008

MCT 493 (B-Z) Construction, Manufacturing, or Printing Technology Workshop—3 hours**.** The content of each workshop will relate to the new and current developments in the various technological areas.

May be repeated for a maximum of 6 hours, change prefix, title, and description to:

TMGT 493 Technology Management Workshop--3 hours. The content of each workshop will relate to the new and current developments in the various technological areas. Course may be taken twice for a maximum of six credits.

COURSE ELIMINATIONS

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

The following courses are to be eliminated:
IMT 208
IMT 402
IMT 438
IMT 481
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

The following courses are to be eliminated:

ITE 211	ITE 365	ITE 432
ITE 215	ITE 392	ITE 452

ITE 491	MCT 350	MCT 452
ITE 492	MCT 351	MCT 453
ITE 493	MCT 355	MCT 455
MCT 132	MCT 391	MCT 459(B-Z)
MCT 151	MCT 451	

Preferred effective term: Fall 2008

NEW PROGRAMS

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

Automotive Technology Management Minor * (15 semester hours)**
CIP Code: 150803 Major Code: D938

Brief Summary:

In order to provide continuing education to students that desire to pursue a baccalaureate degree outside of the campus environment, an Automotive Technology Management Minor has been developed that can be delivered via distance.

Student Learning:

Student Learning outcomes have not been affected by these changes. Courses already being taught will be used to create this new automotive minor.

Proposed Catalog Copy:

Automotive Technology Management Minor * (15 semester hours)**
CIP Code: 150803 Major Code: D938

Required Courses:
Automotive Engineering Technology: 432 - 3 hrs.; 433 - 3 hrs.; 440 - 3 hrs.
Electronics and Computer Technology: 437 - 3 hrs.
Management 301 - 3 hrs.; or Technology Management 492 - 3 hrs.

*Not open to automotive technology management majors.
**This minor is available via distance.
Preferred effective term: Fall 2008

PROGRAM REVISIONS

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

Electronics Technology Major (88 semester hours)
CIP Code: 150303 Major Code: D830

Brief Summary:

This revision is required because ECT 160 has been changed to a non-majors course, and ECT 220 has been renumbered to ECT 167, and other prefix changes.

Student Learning:

Recent accreditation review, alumni survey, and survey of similar programs at other institutions indicated that inclusion of a course such as ECT 160 within the mjor was no longer necessary and that this course should be adapted for use by non-majors. Students in the B.S. in Electronics Technology will continue to receive the needed material by taking ECT 165.

Proposed Catalog Copy:

Electronics Technology Major (82 semester hours)
CIP Code: 150303 Major Code: _____

Required courses: Electronics Technology courses (42 hours): 130--2 hrs.; †165--3 hrs.; †167--3 hrs.; 221--3 hrs.; 231--3 hrs.; †232--3 hrs.; 321--3 hrs.; †324--3 hrs.; †325--3 hrs.; †343--3 hrs.; 421--3 hrs.; 430--1 hr.; 437--3 hrs.; †444--3 hrs.; †448--3 hrs.
Mechanical Engineering Technology (6 hours): †103--3 hrs.; †329--3 hrs.
Technology Management (9 hours): 471--3 hrs.; †478--3 hrs.; 492--3 hrs.
Required (3 hours): Select one: Electronics and Computer Technology †280--3 hrs.,†281--3 hrs.; Manufacturing Technology †370--3 hrs., †371--3 hrs.
Mathematics/Computer Science and Physical Science requirements (14 hours): courses in Physics, Chemistry, Life Sciences, or Geology--8 hrs.; Mathematics 301--3 hrs.; Computer Science 256--3 hrs. (or higher level structured language.)
Technical electives: 8 hours.
Directed Basic Studies (3 hours): Mathematics 115--3 hrs.

†Denotes a course having a laboratory component requiring additional contact hours.
Preferred effective term: Fall 2008

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

A.S. Electronics and Computer Technology (60-63 semester hours)

CIP Code: 150303 Major Code: D812

Brief Summary:

This revision is required because ECT 160 has been changed to a non-majors course, and ECT 220 has been renumbered to ECT 167. Also IMT 103 and IMT 329 have been changed to MET 103 and MET 329.

Student Learning:

This revision is required because ECT 160 has been changed to a non-majors course, and ECT 220 has been renumbered to ECT 167. Also IMT 103 and IMT 329 have been changed to MET 103 and MET 329.

Proposed Catalog Copy:

A. S. Electronics and Computer Technology (45 semester hours)
CIP Code: 150303 Major Code: _____

Required courses: Electronics Technology Courses (20 hours): 130--2 hrs.; †165--3 hrs.; †167--3
    hrs.; 221--3 hrs.; 231--3 hrs.; †232--3 hrs.; †281--3 hrs.
Mechanical Engineering Technology (6 hours): †103--3 hrs.; †329--3 hrs.;
Technical Electives: 6 hours.
Directed Basic Studies: Mathematics 115--3 hrs.
Directed Liberal Studies (13 hours): Computer Science 151--3 hrs.; Economics 100--3 hrs.;
    Management 140--3 hrs.; Physical Science--4 hrs.

†Denotes a course having a laboratory component requiring additional contact hours.

Please Note: Students who plan to apply the associate degree toward a baccalaureate degree should: use the six hours of technical electives in the associate degree for courses required in the baccalaureate degree that are not included in the associate degree; and enroll in a physical science course to meet the physical science requirement of the associate degree that partially meets the requirements of the baccalaureate degree.
Preferred effective term: Fall 2008

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

Computer Engineering Technology Major (74 semester hours)
CIP Code: 151291 Major Code: D832

Brief Summary:

Prefix changes to suggested Management courses.

Student Learning:

Student Learning outcomes have not been affected by these changes.

Proposed Catalog Copy:

Computer Engineering Technology Major (71 semester hours)
CIP Code: 151291 Major Code: _____

Required courses:
Electronics and Computer Technology courses (45 hours): 130--2 hrs.; †165--3 hrs.; †167--3
    hrs.; †168--3 hrs.; 231--3 hrs.; †232--3 hrs.; 281--3 hrs.; †301--3 hrs.; †303--3 hrs.; †306--3
    hrs.; 308--3 hrs.; 401--3 hr.; †403--3 hrs.; †406--3 hrs.; 430--1 hr.; †437—3 hrs.
Management (6 hours from courses such as): Mechanical Engineering Technilog 404--3 hrs., 405--3
    hrs.; Technology Management 471--3 hrs.; † 478--3 hrs.; 492--3 hrs.
Mathematics /Computer Science and Physical Science requirements (14 hours): courses in
    Chemistry, Life Sciences, Geology, or Physics--8 hrs.; Computer Science 256--3 hrs. (or higher
    level structured language); Mathematics 301--3 hrs.
Technical Electives: 6 hours.
Directed Basic Studies (3 hours): Mathematics 115--3 hrs.

† Denotes a course having a laboratory component requiring additional contact hours.
Preferred effective term: Fall 2008

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

Electronics Technology Minor (21-24 semester hours)
CIP Code: 150303 Major Code: D830

Brief Summary:

This revision is required because ECT 160 has been changed to a non-majors course, and ECT 220
has been renumbered to ECT 167. Directed electives changed to 3 hours.

Student Learning:

This revision is directly in line and directed by changes to the Electronics Technology B.S. program.

Proposed Catalog Copy:

Electronics Technology Minor (18 semester hours)
CIP Code: 150303 Major Code: _____

Required courses:
Electronics Technology courses (15 hours): †165--3 hrs.; †167--3 hrs.; 221--3 hrs.; 231--3 hrs.;
    †232--3 hrs.;
Directed Electives (3 hours): Select from the following: Electronics and Computer Technology
    †281--3 hrs.; †324--3 hrs.; Computer Science 256--3 hrs. (or a higher level structured language.)

†Denotes a course having a laboratory component requiring additional contact hours.
Preferred effective term: Fall 2008

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

Computer–Aided Design and Drafting Minor* (17 semester hours)
CIP Code: 150899 Major Code: D939

Brief Summary:

The faculty related to the Mechanical Engineering Technology program propose to modify the existing course requirements related to the CAD Minor to better replicate the current skills sets required for industry.

This will be managed by replacing the existing IMT208 Descriptive Geometry course which is currently listed as a requirement for this minor with the replacement course of MET 299 CAD Fundamentals.

The IMT 208 course has not been actively taught for many years and utilizes subject matter and tools that have been replaced by more modern technology found in current CAD systems.
MET 299 currently teaches related material specific to geometric construction, spacial allocation, and typical design/drafting methods by use of standard state of the art software that is abundantly utilized by modern engineering technnology professions.

Student Learning:

Students will be able to achieve similar results by use of commonly utilized software that adds to their knowledge base on both a theoretical and experiental basis.

As indicated in recent discussions during the MET Advisory Board meeting held in the Spring 2007 semester, inclusive knowledge of current state of the art software will directly impact students professional marketability toward prospective employers, and this will be enhanced by the inclusion of this software (AutoCAD 2008) on their resume. AutoCAD is currently the most widely used 2-D

software package on the market.

As an additional note, the current teaching methodology of MET299 allows for academic specific content toward each majors course of study to be performed during a multiple week project that allows students to develop a portfolio of work relevant to their prospective area of employment (electrical, architectural, mechanical, master planning for aviation, etc.).

Proposed Catalog Copy:

Computer-Aided Design and Drafting Minor* (18 semester hours)
CIP Code: 150899 Major Code:_____

Required Courses: Mechanical Engineering Technology 103--3 hrs.; 203--3 hrs.; 299--3 hrs.; 403-- 3 hrs.; 413--3 hrs.
Approved Elective: 3 hrs.

*Not open to mechanical engineering technology majors.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Construction Management Major (75 semester hours)
CIP Code: 150101 Major Code: E241

Brief Summary:

The existing Construction Management major has a total of 95 semester hours required to graduate. We would like to reduce the total hours required to make it easier for our students to graduate in four years. Many of our students need more than four years. Our accrediting agency, the American Council for Construction Education (ACCE), has strict and extensive subject area requirements. We have identified only three existing courses that may be eliminated and still meet all of the ACCE and ISU requirements. These courses are ARTH 374, MATH 122 (or 123), and MCT 206. We propose to eliminate these courses from the Program. ARTH 374 may still be taken as LAPS:E.

We propose to eliminate the reference to mathematics competency in the program description. This competency requirement is fully covered by the prerequisites for MATH 115, and therefore, is redundant.

Student Learning:

Our Advisory Board has approved these changes. Reducing the total number of semester hours required in the major will make the program more transfer friendly. As it is, very few students graduate in four years. The ACCE subject area requirements are very comprehensive and ensure that the new,

revised program will meet student needs.

Proposed Catalog Copy:

Construction Management Major (86 semester hours)
CIP Code: 150101   Major Code: _____

Required courses:
Construction Management: 101--2 hrs.; 106--3 hrs.; 111--3 hrs.; 201--3 hrs.; 213--3 hrs.; 214--3 hrs.; 218--3 hrs. or Mechanical Engineering Technology 302--3 hrs.; 304--3 hrs.; 306--3 hrs.; 310--3 hrs.; 314--3 hrs.; 318--3 hrs.; 320--3 hrs.; 414--3 hrs.; 418--3 hrs.; 420--3 hrs.; 450--3 hrs.
Technology Management: 351--3 hrs.; 429--3 hrs. or Business 263--3 hrs.; 430--1 hr.; 492--3 hrs. or Management 301--3 hrs.
Mathematics: 115--3 hrs. or Mechanical Engineering Technology 215--3 hrs.
Electronics and Computer Technology: 369--3 hrs.
Accounting: 200--3 hrs.
Directed Liberal Studies (20 hrs): Physics 105/105L--4 hrs., 106/106L--4 hrs. or Chemistry 105/105L--4 hrs.; Economics 100--3 hrs., 351--3 hrs.; Management 140--3 hrs.; Mathematics 241--3 hours.
Directed Basic Studies (9 hrs.): English 305T; Technology Management 195--3 hrs.; and Mathematics 241--3hrs.
Preferred effective term: Fall 2008

PROGRAM ELIMINATIONS

COLLEGE OF TECHNOLOGY: Technology Management

A.S. Construction Technology (63 semester hours)
CIP Code: 150101 Major Code: E230

Brief Summary:

Due to program prioritization, this program is being eliminated. The A.S. degree in Construction Technology was recommended for elimination by the Program Prioritization Committee.

Proposed Catalog Copy:

None.
Preferred effective term: Fall 2008

GRADUATE PROPOSALS

NEW COURSES

COLLEGE OF TECHNOLOGY: Technology Management

HRD 589 Adult Learners in Higher Education and Training—3 hours. This course provides instructors of adult learners with the knowledge and skills needed to apply the principles of adult learning in higher education and training.
Preferred effective term: Fall 2008

COURSE REVISIONS

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

The following course is changing prefix only from IMT to AET:
    535
Preferred effective term: Fall 2008

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

Change of prefix only from IMT to MET:

504	605	697
509	608	811
513	633	812
603	679	

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from IMT to TMGT:
    607
    813
    814
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from ITE to CTE:

572	583	585
581	584	594

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from MCT to TMGT:
571
573
591
Preferred effective term: Fall 2008

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

IMT 533 Service Facility Organization and Management—3 hours. Facility utilization, work scheduling, record keeping, maintenance, and supervisory responsibilities associated with modern vehicle service. Prerequisite: 233 or 334.
   Change prefix and delete prerequisite to:
AET 533 Service Facility Organization and Management—3 hours. Facility utilization, work scheduling, record keeping, maintenance, and supervisory responsibilities associated with modern vehicle service.
Preferred effective term: Fall 2008

IMT 593 Industrial and Mechanical Technology Workshop—1-3 hours. Content of each workshop will be related to one of the department's areas of emphasis in technology. Course may be repeated for up to 6 hours credit.
   Change prefix, title, and description to:
AET 593 Practicum in Mechanical or Automotive Engineering Technology--1-3 hours. Content of each practicum will be related to one of the department's areas of emphasis in technology. Course may be repeated for up to 6 hours credit.
Preferred effective term: Fall 2008

IMT 505 Economic Analysis for Technology—3 hours. This course is designed to provide technology students with the principles of investment economic analysis and decision-making among alternatives including replacement. Inflation, depreciation, cost concepts, bond issue, and income tax considerations are other topics to be covered. Prerequisite: Mathematics 111 or 115.
   Change prefix, title, description, and prerequisites to:
MET 505 Economic Analysis for Engineering and Technology—3 hours. This course is designed to provide students with the principles of investment economic analysis, decision-making among alternatives, and replacement analysis. Inflation, depreciation, cost concepts, bond, and income tax considerations are included. Prerequisite: Mathematics 115.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

ITE 573 Evaluating Student Performance—3 hours. Application of evaluation techniques of competency-based technical education including use of profile charts, job descriptions, and performance rating.
   Change prefix, title, and description to:
HRD 573 Evaluating Learner Performance--3 hrs. Application of evaluation techniques to competency-based instruction including use of profile charts, job descriptions, and performance assessment.
Preferred effective term: Fall 2008

ITE 580 Vocational Industrial Psychology—3 hours. Application of psychology of teaching

vocational technical subjects. Psychomotor skills, psychology of work, occupational decision making, and development theory are included.

Change prefix, title, and description to:

HRD 580 Industrial Organizational Psychology--3 hours.
An overview of the study of human behavior in industry and organizations. Application of methods and practices of Industrial Organizational Psychology in the workplace.
Preferred effective term: Fall 2008

ITE 595 (A-E; H-M; N-P; S-Z) Vocational Technical Education Workshop—1-3 hours. A study of the related industries and advancing technologies which influence occupations and training.

Change prefix, title, credit hours, and description to:

HRD 595 Contemporary Issues in Human Resource Development--3 hours. A study of the contemporary issues in organizations which influence the performance and development of the workforce.
Preferred effective term: Fall 2008

ITE 675 Leadership of Human Resources in Education and Training—3 hours. An introduction to concepts and practices of managing human relations education and training in organizations. Students will investigate concepts and practices of leadership, organizational culture, and explore how it affects people within the organization.

Change prefix, title and description to:

HRD 675 Leadership in Human Resource Development--3 hours.
A study of concepts and practices of leadership in HRD for education and industry. Students will investigate concepts and practices of leadership, organizational culture, and explore how it affects people within the organization.
Preferred effective term: Fall 2008

ITE 679 Problems in Industrial Technology Education—2-3 hours. Content determined to large extent by the interest and needs of each individual enrolled for the course.

Change prefix, title, and credit hours to:

HRD 679 Problems in Human Resource Development--3 hours.
Content determined to large extent by the interest and needs of each individual enrolled for the course.
Preferred effective term: Fall 2008

COURSE ELIMINATIONS

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

The following courses are to be eliminated:
IMT 502
IMT 538
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

The following courses are to be eliminated:
ITE 552
ITE 592
ITE 593
MCT 552
MCT 553
MCT 559
Preferred effective term: Fall 2008

<u>NEW PROGRAMS</u>

COLLEGE OF TECHNOLOGY: Technology Management

Certificate of Graduate Study in Human Resource Development (12 semester hours)
CIP Code: 521001

Brief Summary:

The proposed Certificate of Graduate Study in Human Resource Development will provide an opportunity to introduce graduate study in Human Resource Development to students who may be contemplating enrollment in the M.S. HRD Program, as a specialization for another major at the graduate level, or to meet the needs of professionals who seek formal education in the HRD field. Credits from the certificate program may also be applied to the M.S. in HRD program. Applicants across the globe are encouraged to apply. Applicants must offer proof of a Bachelor of Arts or Science Degree and an acceptable grade point average from an accredited college or university. International applicants should have a TOEFL score of at least 550 (paper) or 213 (computer) or 70 (iBT) or better on the Test of English as a Foreign Language, or provide equivalent evidence of language proficiency.

The chair of the Public Administration Program met with HRD faculty twice and implemented discussions concerning the HRD Program offering a Certificate Graduate Program. In addition to being of interest to students in the Public Administration Program, the Certificate of Graduate Study in Human Resource Development may also appeal to students in the Health and Safety Programs, Nursing Programs, Communication Programs, and Education Programs, among others.

Student Learning:
Students who complete the Certificate of Graduate Study in Human Resource Development will have the knowledge to be effective HRD professionals providing essential services in industry, higher education, social agencies, and government. Competencies designed into the program focus on designing, developing, implementing, facilitating, and evaluating education, training, and other human resource development activities.

Proposed Catalog Copy:

Certificate of Graduate Study in Human Resource Development (12 semester hours)

Required Courses:

HRD 605 Developing Performance-Based Occupational Curriculum - 3 hours
HRD 670 Systematic Design of HRD Programs - 3 hours
HRD 675 Leadership of Human Resources in Education and Training - 3 hours
HRD 695 Rationale and Evaluation of HRD Programs - 3 hours
Preferred effective term: Fall 2008

UNDERGRADUATE APPROVALS

<u>NEW COURSES</u>

COLLEGE OF ARTS AND SCIENCES: History

HIST 408 Nation-Building, Democracy, and Development in the Modern World--3 hours. This course explores historically and theoretically the different paths humans have taken over the past 250 years in building modern nation-states, and developing economies and democratic policies. During the course students focus on comparing the American path to modernity to the paths of other countries.
Preferred effective term: Spring 2008

HIST 409 The Birth of Europe--3 hours. This course chronicles Europe's emergence as a coherent entity in the Early Middle Ages, focusing on Rome's disintegration; the rise of new institutions and the Carolingian Empire; the challenges posed by Vikings, Byzantines, and Muslims; and the fusion of Germanic, classical, and Christian cultures into a uniquely medieval civilization.
Preferred effective term: Spring 2008

HIST 494 Topics in U.S. History—3 hrs. This course covers selected, specific topics in U.S. history. Topics change regularly. Students can repeat the course, when topics are different, for up to 6 hours credit.
Repeatable course up to 6 hours.
Preferred effective term: Spring 2008

HIST 498 Topics in World History—3 hours. This course covers selected, specific topics in world history. Topics change regularly. Course may be repeated for credit, as topics change, up to 6 hours.
Repeatable course up to 6 hours.
Preferred effective term: Spring 2008

COLLEGE OF TECHNOLOGY: Technology Management

ITE 420 Career Development and Employee Appraisals--3 hours. An introduction to the knowledge, tools, skills, and practical methodology needed to apply principles of career development. This course is tailored for instructors of adult learners and human resource development specialists. The class includes career development in the 21st century, understanding and responding to changes in the workplace and family life, career development in cultural contexts, and using standardized tests and inventories in human resource development. *Preferred effective term: Spring 2008*

ITE 425 Organizational Development--3 hours. An introduction to the foundations of organizational development, this course is tailored for instructors of adult learners and human resource development specialists. The class includes the emergence and development of the field of organizational development, the values and ethics underlying organizational development as applied to business practice, and essential skills for the organizational development practitioner.
Preferred effective term: Spring 2008

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: History

HIST 439 Women in the United States—3 hours. Women in American society, their status and roles, and a survey of the attitudes and movements which have affected the lives of women and the history of the United States.

May be taken three times for credit. Change title and description to:

HIST 439 A-C Women in History—3 hours. An in-depth examination of women's history in the United States (A), Europe (B), or the Wider World (C) with particular attention to their status and roles in different historical periods and cultures, and to cultural constructions of femininity. May be taken three times for credit towards the major or minor when topics are different.
Preferred effective term: Spring 2008

PROGRAM REVISIONS

COLLEGE OF ARTS AND SCIENCES: History

Public and Applied History Concentration (42 semester hours)
CIP Code: 540101 Major Code: 2221

Brief Summary:

The major still included HIST 403, which has been banked. The hours were lowered to make the concentration in line with the major. Electives and cognate courses were changed.

Proposed Catalog Copy:

Public and Applied History Concentration (39 semester hours)
CIP Code: 540101 Major Code: _____

Required History (21 hours): 101—3 hrs.: 102—3 hrs.; 201—3 hrs.; 202—3 hrs.; 300—3 hrs.;
    404—3 hrs.; 499 (Oral History: Methods and Practice)—3 hrs.
Directed History electives (18 hours): Six hours in each of the of the department's three areas of
    study: United States, Europe, Wider World. At least 12 hours must be at the 400-level, with at
    least one 400-level course in each area of study.

   A student may substitute three hours of directed electives with appropriate cognate courses taken in
    other departments. These cognate courses must be approved by the History Department Chair.
Preferred effective term: Fall 2008

COLLEGE OF ARTS AND SCIENCES: Mathematics and Computer Science

Computer Science Major (76 credit hours minimum)
CIP Code: 110101 Major Code: 3023

Brief Summary:

We would like to remove the following banked courses from the Computer Science Major:

Computer Science Major: Under Select 6 hours from PHYS 425 banked Spring 2001 PHYS 426
deleted Spring 2000 PHYS 461 banked Spring 2002 PHYS 496 deleted Spring 1995 CHEM 361
deleted Spring 1997 Math 436 banked Spring 1997

Also, CHEM 461L and 462L have changed to 1 hour classes from 2 in the Spring of 2007, so a
change in the Science electives is necessary. This requires a change in the minimum hours of the
curriculum from 76 hours to 75 hours. We have also changed the wording of the curriculum to make it
more clearly understood.

Student Learning:

N/A

Proposed Catalog Copy:

Computer Science Major (75 semester hours minimum)
CIP Code: 110101 Major Code: _____

Required Computer Science (33 hours): 256—3 hrs.; 258—3 hrs.; 361 or 365—3 hrs.; 420—3

hrs.; 421—3 hrs.; 451—3 hrs.; 452—3 hrs.; 456, 463 or 471—3 hrs.; 457—3 hrs.; 458—3 hrs.; 470—3 hrs.

Required Mathematics (14 hours): 131—4 hrs.; 132—4 hrs.; 320—3 hrs.; 341—3 hrs. A student wishing a minor in mathematics or a double major in computer science and mathematics may take 441—4 hrs. and 442—4 hrs. instead of 341.

Electives in Computer Science: 15 hours of directed electives in computer science, at least 12 of which must be at the upper-division level.

Required Science (8 - 10 hours): Chemistry 105—3 hrs.; 105L—1 hr.; 106—3 hrs.; 106L—1 hr.; or Physics 205—4 hrs.; 205L—1 hr.; 206—4 hrs.; 206L—1 hr.

Directed Electives: Select a minimum of 5 hours from the following:

    Chemistry 461—4 hrs.; 461L—1 hr.; 462—4 hrs.; 462L—1 hrs.

    Mathematics 231—4 hrs.; 333—3 hrs.; 380—3 hrs.; 410—3 hrs.; 413--3 hrs.; 416—3 hrs.; 431—3 hrs.; 435—3 hrs.

    Physics 310—3 hrs.; 311—2 hrs.; 341—3 hrs.; 342—2 hrs.; 355—3 hrs.; 420—3 hrs.; 460—3 hrs.

Life science majors may satisfy the science requirement by life sciences courses selected in consultation with the advisor in computer science.

** Students who complete this major will have satisfied the Liberal Studies requirement in Scientific and Mathematical Studies. At least 18 hours of computer science courses must be taken at Indiana State University.

Preferred effective term: Fall 2008

COLLEGE OF ARTS AND SCIENCES: Mathematics and Computer Science

Information Technology Major (51 semester hours)
CIP Code: 110103 Major Code: 3026

Brief Summary:

This change corrects requirements so only active courses are included.

Information Technology Major: Under electives CS 485 banked effective Fall 2007, COMM 372 banked Summer 2006.

Proposed Catalog Copy:

Information Technology Major (51 semester hours)
CIP Code: 110103 Major Code: _____

Required Courses:
Basic Core (18 semester hours**):** Computer Science 151—3 hrs.; 170—3 hrs.; 256—3 hrs.;

Electronics and Computer Technology 170 or Management Information systems 110—3 hrs.; 172—3 hrs.; 174 or 160—3 hrs.

Second Level (18 semester hours): Computer Science 260—3 hrs.; 457—3 hrs.; Electronics and Computer Technology 272 or Computer Science 320—3 hrs.; 373 or Computer Science 367—3 hrs.; Electronics and Computer Technology 437—3 hrs.; Management Information Systems 301—3 hrs.

Electives (15 semester hours): Students, in conjunction with an advisor, select courses from the following electives. Appropriately chosen courses lead to specializations in networking, database development and administration, digital communication, and digital multimedia. Art 400K, 420, 422—3 hrs.; Computer Science 253, 258, 357, 361, 365, 440, 452, 457, 458, 463, 469, 470, 471, 475, 477, 481, 483—3 hrs.; Electronics and Computer Technology 335, 351, 490—3 hrs.; Geography 242, 442, 446—3 hrs.; Management Information Systems 276, 310, 355, 376, 380, 430, 431, 475—3 hrs.; Psychology 340—3 hrs.

Preferred effective term: Fall 2008

GRADUATE APPROVALS

<u>NEW COURSES</u>

COLLEGE OF ARTS AND SCIENCES: History

HIST 508 Nation-Building, Democracy, and Development in the Modern World--3 hours. This course explores historically and theoretically the different paths humans have taken over the past 250 fifty years in building modern nation-states, and developing economies and democratic policies. During the course students focus on comparing the American path to modernity to the paths of other countries.
Preferred effective term: Spring 2008

HIST 509 The Birth of Europe--3 hours. This course chronicles Europe's emergence as a coherent entity in the Early Middle Ages, focusing on Rome's disintegration; the rise of new institutions and the Carolingian Empire; the challenges posed by Vikings, Byzantines, and Muslims; and the fusion of Germanic, classical, and Christian cultures into a uniquely medieval civilization.
Preferred effective term: Spring 2008

HIST 594 Topics in U.S. History—3 hrs. This course covers selected, specific topics in U.S. history. Topics change regularly. Students can repeat the course, when topics are different, for up to 6 hours credit.
Repeatable course up to 6 hours.
Preferred effective term: Spring 2008

HIST 598 Topics in World History—3 hours. This course covers selected, specific topics in world history. Topics change regularly. Course may be repeated for credit, as topics change, up to 6 hours.
Repeatable course up to 6 hours
Preferred effective term: Spring 2008

COLLEGE OF TECHNOLOGY: Technology Management

ITE 520 Career Development and Employee Appraisals--3 hours. An introduction to the knowledge, tools, skills, and practical methodology needed to apply principles of career development. This course is tailored for instructors of adult learners and human resource development specialists. The class includes career development in the 21st century, understanding and responding to changes in the workplace and family life, career development in cultural contexts, and using standardized tests and inventories in human resource development. *Preferred effective term: Spring 2008*

ITE 525 Organizational Development--3 hours. An introduction to the foundations of organizational development, this course is tailored for instructors of adult learners and human resource development specialists. The class includes the emergence and development of the field of organizational development, the values and ethics underlying organizational development as applied to business practice, and essential skills for the organizational development practitioner.
Preferred effective term: Spring 2008

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: English

ENG 692 Master's Paper—2 hours. A substantial research paper or creative work produced at the end of a student's program of study. By arrangement with the chairperson of the student's paper committee.
   Change credit hours to:
ENG 692 Master's Paper—3 hours. A substantial research paper produced at the end of a student's program of study. By arrangement with the chairperson of the student's paper committee.
Preferred effective term: Spring 2008

COLLEGE OF ARTS AND SCIENCES: History

HIST 539 Women in the United States—3 hours. Women in American society, their status and roles, and a survey of the attitudes and movements which have affected the lives of women and the history of the United States.
   May be taken three times for credit. Change title and description to:
HIST 539 A-C Women in History—3 hours. An in-depth examination of women's history in the United States (A), Europe (B), or the Wider World (C) with particular attention to their status and roles in different historical periods and cultures, and to cultural constructions of femininity. May be taken three times for credit towards the major or minor when topics are different.
Preferred effective term: Spring 2008

PROGRAM REVISIONS

COLLEGE OF ARTS AND SCIENCES: English

Master of Arts in English—Specialization in Literature (32 semester hours minimum)
CIP Code: 230101 Major Code: 1072
Master of Arts in English—Specialization in Writing (32 semester hours minimum)
CIP Code: 230101 Major Code: 1073

Summary:

The Department of English proposes three things:

1. Increase the minimum hours for the degree from 32 to 33 (see request to raise the number of hours for English 692: Master's Paper from 2 to 3). Rationale: All our other courses carry 3 hours credit. The work involved in researching, writing, and defending a satisfactory culminating paper should earn 3 hours credit. The recommended length for the paper is roughly half the recommended length of a thesis, which carries 6 hours credit.

2. Eliminate the requirement for six hours of electives outside the student's specialization. Students in the literature track could take these six hours of electives either inside or outside their specialization. Students in the writing track would be required to take these six hours as electives in their specialization. Rationale: Students in the literature track could take additional literature courses, which would be especially useful for those taking the GRE for admission to PhD programs. But they could still diversify their program by taking writing courses or courses in related disciplines such as history or literature in other European languages. Students in the writing track would be better served by taking additional writing courses rather than literature courses. The program core, shared by both specializations, is literature-based. Some in the writing track graduate with as few as two courses in their specialization.

3. Eliminate the culminating experience option to take a written or oral examination. Rationale: No one has elected to complete either of these culminating experiences in the past 10 years. Also, they do not provide the research- and writing- based culminating experiences our students need.

Student Learning:

Student outcomes assessment, and surveys of alumni, have indicated that those in the writing track need more experience writing, especially writing in different genres (poetry, fiction, creative non-fiction). The requirement for electives outside the specialization has limited students' opportunities to take writing courses. By comparison to other MA programs in creative writing, ours was weak, with an over-emphasis on literary study. This may have negatively impacted enrollments. Similarly, assessments, surveys, and graduates' GRE scores suggest that students in the literature track who went on for doctoral study need greater knowledge of British and American literature.

Master of Arts in English—Specialization in Literature (33 hours minimum)
CIP Code: 230101 Major Code: _____

Research and Theory: English 600—3 hrs.; 635—3 hrs.
English Core: 600-level course in American Literature—3 hrs.; 600-level course in English literature

before 1800—3 hrs.; 600-level course in English literature since 1800—3 hrs.

Electives: At least 12 hours of directed electives in literature, including the culminating experience.

Other Requirements: A minimum of 6 hours of additional electives either in literature or outside the area of specialization, or a combination. This requirement may be taken through other departments and programs when approved by the Director of Graduate Studies in English. Reading knowledge of one classical or modern language approved by the Director of Graduate Studies in English is also required. This requirement may be met by completing at the undergraduate level at least 12 semester hours in the language, or by passing a foreign language proficiency examination.

Culminating Experience: 692—3 hrs., or 699—6 hrs.

No more than 6 hours of transfer credit will be accepted for this program.
Preferred effective term: Fall 2008

Master of Arts in English—Specialization in Writing (32 semester hours minimum)
CIP Code: 230101 Major Code: _____

Research and Theory: English 600—3 hrs.; 635—3 hrs.

English Core: 600-level course in American Literature—3 hrs.; 600-level course in English literature before 1800—3 hrs.; 600-level course in English literature since 1800—3 hrs.

Electives: at least 18 hours of directed electives in composition/rhetoric, creative writing, or technical writing, including the culminating experience. Students whose culminating experience is a work of creative writing must take a creative writing workshop in at least two of the following genres: poetry, fiction, creative non-fiction.

Other Requirements: Reading knowledge of one classical or modern language approved by the Director of Graduate Studies in English. This requirement may be met by completing at the undergraduate level at least 12 semester hours in the language, or by passing a foreign language proficiency examination.

Culminating Experience: 692—3 hrs., or 698—6 hrs., or 699—6 hrs.

No more than 6 hours of transfer credit will be accepted for this program.
Preferred effective term: Fall 2008

COLLEGE OF ARTS AND SCIENCES: Family and Consumer Sciences

Master of Science: Family and Consumer Sciences with Specialization in Dietetics (32 semester hours)
CIP Code: 190101 Major Code: 1595

Summary:

It is proposed that entrance requirements for the Coordinated Program in Dietetics be changed from a 2.5 overall GPA to a 2.7 overall GPA OR a 3.0 GPA on the last 32 hours of work completed.

Student Learning.

Successful program completion and successful first time passage on the national dietetics registration exam have been considered. We believe that this change in admission requirements will improve both these measures and is consistent with the School of Graduate Studies Admissions Policies.

Proposed Catalog Copy:

Master of Science: Family and Consumer Sciences with Specialization in Dietetics (32 semester hours)
CIP Code: 190101 Major Code: _____

Students selecting the food and nutrition option and wishing to qualify for registry eligibility may apply for admission to the Coordinated Program in Dietetics. This program is accredited by the Commission on Accreditation/Approval for Dietetics Education (CADE) of the American Dietetic Association. Included within the food and nutrition courses are 900 clock hours of preprofessional practice experience. All courses with clinical components must be taken at the undergraduate level since experiences are entry level. Upon completion of this graduate option, a student is awarded a M.S. degree. The graduate is eligible for membership in the American Dietetic Association and to take the national examination to earn the credential of registered dietitian (RD).

During the spring semester each year, students may apply for admission to the Coordinated Program in Dietetics. The program is limited to 12 students per class. A minimum undergraduate GPA of 2.7 **or** minimum grade point average of 3.0 on the last 32 hours of course work is required for entry into the program. Graduate applicants will be interviewed and evaluated along with undergraduates being considered for the program. Complete entrance requirements and applications may be obtained from the director of the program, or are available on the Web site. Students are required to submit a written application, transcripts, two letters of recommendation, and participate in a personal interview. Students who apply to the Coordinated Program but are not admitted may still complete the M.S. degree with an emphasis in food and nutrition.

A student entering the program without undergraduate deficiencies should be able to complete the M.S. and preprofessional practice in two calendar years. If students do not have the appropriate background they will be required to complete the following undergraduate deficiencies (or their equivalents) in order to meet American Dietetics Association Registration eligibility requirements: *Preferred effective term: Fall 2008*

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

Master of Arts in Linguistics/TESL/Cross-Linguistics (32 semester hours)
CIP Code: 131401 Major Code: 1278

Brief Summary:

With the suspension of the M.A. in Spanish, the only functioning M.A. left in the LLL Department is that in Linguistics/TESL/Cross-Linguistics. In putting forward the suspension of the Spanish M.A., new Catalog Copy was required, which led to the program changes now being put forward. The new

catalog copy spells out that the M.A., just as before, allows students to count graduate courses in French, German, Spanish, and other languages. (500-level French, German, and Spanish courses are regularly offered when their 400-level corresponding courses are offered, and students may transfer in graduate courses in other languages.)

The only true program change is in the deletion of the requirement that 6 hours be taken in a second area within the department or outside the department. This requirement has proven to be both unnecessary and undesirable, since the department is able to offer more than enough courses, including summer courses, for students in the Master's in Linguistics/TESL/Cross-Linguistics to be able to complete all of their coursework within the department. This change required a change in the number of hours required in the department beyond the "Research" course and the "Core" course from 21 hours to 27 hours. The department also decided that no more than 9 hours of transfer credit will be accepted for the M.A. program, and that a minimum of 23 hours must be taken within the department.

Student Learning:

One of the goals of ISU is to "improve and enhance the education of students." We have found that our students are best served by taking all of their courses in the LLL Department, especially since most of our Master's Students are international students. Those who have taken courses outside the department are often not as prepared for the comprehensive examinations they must pass at the end of their program. One student who did not pass the comprehensive examinations last semester even said herself that she was hurt by taking 6 hours outside the department during that semester, where she was not dealing every day in linguistic terms and concepts and not being asked to write as much as we require our students to write. We suspect that the same situation has contributed to other students who did poorly on our comprehensive exams.

Proposed Catalog Copy:

Master of Arts in Linguistics/TESL/Cross-Linguistics (32 semester hours)
CIP Code: 131401 Major Code:_____

Research: Languages, Literatures, and Linguistics 607—3 hrs.
Core: Languages, Literatures and Linguistics 600—2 hrs.
Electives: at least 27 hours from graduate courses in the Department of Languages, Literatures, and
    Linguistics, 12 hours of which must be at the 600-level, as follows:
Thesis option: 27 hours of graduate course work in Languages, Literatures, and Linguistics, including
    Languages, Literatures, and Linguistics 699—6 hrs.
Non-Thesis option: 27 hours of graduate course work in Languages, Literatures, and Linguistics.
Other Requirement: Demonstrated proficiency in a non-native language.
Culminating Experience: Languages, Literatures, and Linguistics 699—6 hrs or successful
    completion of written and oral comprehensive examinations

No more than 9 hours of transfer credit will be accepted for the M.A. program.
A minimum of 23 hours must be taken within the department.

Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

Ed.S. Degree in School Administration (66 semester hours minimum)
CIP Code: 130404   Major Code: 8489

Brief Summary:

ELAF 799 was banked in Spring 2001 and requirement was never removed from program.

Proposed Catalog Copy:

Ed.S. Degree in School Administration (66 semester hours minimum)
CIP Code: 130404   Major Code:_____

Degree Requirements

Basic Professional Courses: Educational Leadership, Administration, and Foundations 605 or 608—3
   hrs.; Curriculum, Instruction, and Media Technology 610—3 hrs.; 611—3 hrs.; Educational
   Leadership, Administration, and Foundations 710 or Educational Psychology 625—3 hrs.;
   Educational Psychology 521, 522, or 621—3 hrs.
Major Field: Educational Leadership, Administration, and Foundations 650—3 hrs.; 655—3 hrs.;
   656—3 hrs.; 681—3 hrs.; 754—3 hrs.; Elementary Education 660 and Curriculum, Instruction, and
   Media Technology 770 or Curriculum, Instruction, and Media Technology 660 and 770—6 hrs.

Complete the 12 hour campus or field option:

Campus Option: Educational Leadership, Administration, and Foundations 653 or 654—3 hrs., 657—
   3 hrs., 682—3 hrs., 658 or 751—3 hrs.
Field Option: Educational Leadership, Administration, and Foundations 758 (taken twice)—6 hrs.,
   793 (taken twice)—6 hrs.

Complete the following 12 hour concentration:

Leadership in School Business Affairs: Educational Leadership, Administration, and Foundations
   751—3 hrs.; 753—3 hrs.; 757—3 hrs.; 759—3 hrs.

Thesis or Field Study: Educational Leadership, Administration, and Foundations 790—3 hrs. and
   792—3 hrs.
Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

Ph.D. Degree Program in Educational Administration (72 semester hours minimum)
Specialization in Leadership in Higher Education
CIP Code: 130401 Major Code: 8494

Brief Summary:

Approved change in course number from ELAF 686 to ELAF 786 was never subsequently made in program requirements.

Proposed Catalog Copy:

Ph.D. Degree Program in Educational Administration (72 semester hours minimum)
Specialization in Leadership in Higher Education
CIP Code: 130401 Major Code: _____

Specialization in Leadership in Higher Education

The Ph.D. program in educational administration with an emphasis on leadership in higher education is a blend of scholar/practitioner understandings and skills necessary in leading institutions of higher education. The program is designed for post-master's students and requires 45 semester hours of graduate work beyond a master's degree to be completed at ISU and successful completion of the dissertation as prescribed in the regulations of the School of Graduate Studies. Students are admitted into a doctoral cohort and commit to completion of the curriculum, as a cohort, over a two-year period.

Students selecting the specialization in leadership in higher education must complete a minimum of 72 credit hours of graduate work distributed over three core areas and including the following courses:

A. *Basic Core* (18 hours minimum)
Educational Leadership, Administration, and Foundations 687—3 hrs.; 708—3 hrs.; 752—3 hrs.; 755—3 hrs.; 760—3 hrs.; and 761—3 hrs.

B. *Internship Core* (6 semester hours taken over a two-semester period)
Educational Leadership, Administration, and Foundations 891—6 hrs.

C. *Advanced Core* (21 hours minimum)
Educational Psychology 612—3 hrs.; 712—3 hrs.; Educational Leadership, Administration, and Foundations 763—3 hrs.; 786—3 hrs.; 806—3 hrs.; 850—3 hrs.; and 859—3 hrs.
Preferred effective term: Fall 2008

CORRECTIONS

The description of the following course has been rewritten to make it easier to understand.

COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Recreation and Sport Management

235 Introduction to Recreation Management and Youth Leadership—3 hours. This course provides an introduction and overview of recreation management and youth leadership field, and examines the various management, human development, social, and legal aspects associated with this discipline. Types of service delivery systems, issues related to public and nonprofit organizations, and career and professional opportunities are also presented.