Academic Notes

FEBRUARY 11, 2008 **AN 2007-2008**

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2008

Below is the circulation schedule for the electronic copy of *Academic Notes* through May 5, 2008. **All submissions for inclusion in Academic Notes are due in the Office of Academic Affairs no later than 10:00 a.m. on the Wednesday prior to the distribution of Academic Notes on the following Monday. Submissions must be in hard copy along with an e-mail, disk, or CD with the same information. The electronic version must be formatted either in Word with pages with signatures scanned and inserted as a picture OR PDF saved as text and image. (Do NOT send PDF just saved as an image.) Information submitted to Academic Notes that is not accompanied by an electronic version or that is incomplete or unusable will be returned to the appropriate office. Academic Notes is available using Acrobat Reader at http://www.indstate.edu/acad-aff/79.html**

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2008

Deadline for Items	Issue Date
February 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

THESES, DISSERTATIONS, AND RESEARCH PROJECTS

COLLEGE OF ARTS AND SCIENCES: Psychology

Jessica Lynn Hackenberg will defend her dissertation entitled *Identification of Oppositional Defiant Disorder in a Clinic-Referred Sample: Clinical Usefulness of the Oppositional Defiant Disorder Rating Scal,* on February 15, 2008, at 8:00 a.m., in Root Hall, room B141. Members of her committee are: Dr. Liz O'Laughlin, Chairperson; Dr. Jennifer Boothby and Dr. Michael J. Murphy.

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

Matthew S. Brown will defend his dissertation entitled *The Impact of a Minority Orientation Program for First Year African American Students,* on Wednesday, February 13, 2008, at 3:00 p.m., in the small conference room of the 11th floor of the College of Education. Members of his committee are: Dr. Mary Howard Hamilton, Chairperson; Dr. Kandace Hinton and Dr. Carl Miller.

Susan Mospens will defend her dissertation entitled *The Effect of Social Class on First-year College Student Engagement and Satisfaction,* on Tuesday, February 18, 2008, at 1:00 p.m., in the College of Education, room 1214. Members of her committee are: Dr. Josh Powers, Chairperson; Dr. Will Barratt and Dr. Susan Powers.

Bonnie Stephens will defend her dissertation entitled *Comparisons Between High-Performing and Low-Performing Charter Schools* on Thursday, February 28, 2008, at 1:00 p.m., in the College of Education Room 1214. Members of her committee are Dr. Steve Gruenert, Chairperson; Dr. Perry Riffel and Dr. Beth Whitaker.

CURRICULUM

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UNDERGRADUATE PROPOSALS

PROGRAM REVISIONS

COLLEGE OF TECHNOLOGY: Aviation Technology

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

Brief Summary:

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

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

Proposed Catalog Copy:

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

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

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

COLLEGE OF TECHNOLOGY: Aviation Technology

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

Brief Summary:

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

Student Learning:

Proposed changes will better prepare students for marketplace.

Proposed Catalog Copy:

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

Required courses:

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

Concentration areas:

Law Enforcement Aviation- 18 hours from: Criminology: 150—3 hrs.; 200—3 hrs.; 220—3 hrs.; 285—3 hrs.; 420—3 hrs.; 421 — 3 hrs.; 432—3 hrs. or 416 — 3 hrs.; 435—3 hrs.
Government Aviation - 18 hours from: Political Science: 130—3 hrs.; 201—3 hrs.; 305—3 hrs.; 308—3 hrs.; 330—3 hrs.; 370—3 hrs.; 473—3 hrs.
Corporate/Airline Pilot: Aviation Technology: 301—3 hrs.; 305—3 hrs.; 307—3 hrs.; 323—3 hrs.; 403—3 hrs.; any additional AVT course-3 hrs.
Human Factors - 18 hours from: Philosophy 105—3 hrs.; 201—3 hrs.; 401—3 hrs.; Psychology 101—3 hrs.; 342—3 hrs.; 344—3 hrs.; Sociology 100—3 hrs.; 240—3 hrs.; 322—3 hrs.
Business Administration: Accounting 200—3 hrs. Business 263—3 hrs.; Economics 200—3 hrs.; 201—3 hrs.; Finance 200—3 hrs.; Insurance 340—3 hrs.
Airport Management: AVT 307—3 hrs.; AVT 323—3 hrs.; AVT 403—3 hrs.; AVT 391—3 hrs.; AVT 491—3 hrs.; AVT 499—3 hrs.
Aircraft Dispatch: AVT 305—3 hrs.; AVT 403—3 hrs.; AVT 323—3 hrs.; AVT 327—3 hrs.; AVT 329—3 hrs AVT 421—3 hrs.
Directed Basic Studies: Communication 215—3 hrs.

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

COLLEGE OF TECHNOLOGY: Technology Management

Technology Education Major—Secondary (54 semester hours)
CIP Code: 131320 Major Code: E134

Brief Summary:

The changes outlined in this F-2 packet present our response as a teacher preparation program to the most recent reform movement underway in public education. Following years of Indiana State's technology education program remaining relatively static, we are now faced with some unprecedented changes accruing in K-12 public education. For example, a great deal of conversation in public education currently is centered on the concepts of engineering education. Our new proposed name change for example represents the integration into the public education curriculum of programs such as

Project Lead the Way (PLTW), Engineering by Design, and Technology, Innovation, Design, and Engineering Education (TIDE) along with other programs which by their design focus on the skills associated with engineering.
In addition, we see a philosophical shift among the major universities within the state that prepare technology educators. Ball State, Indiana State and Purdue Universities all agree that we collectively face tremendous challenges in recruiting and retaining students for future job placement, despite the fact that the next ten years, which marks the retirement of the baby boomers, will see unprecedented job potential for technology teachers state wide. Through collaboration with these above named universities and the Indiana Department of Education we feel that our program must remain dynamic and ever adapting to the changing face of K-12 public education if we are going to recruit and retain aspiring technology teachers. This means identifying or labeling our program in a fashion that coincides with public education and political agendas and trends. The name "Technology and Engineering Education" represents our commitment to the changing nature of education in our state. The title of our program also reaffirms the programs philosophical beliefs that we train both teachers to function in parallel as both technologists and educators. It is important to also point out, that both Ball State and Purdue the two other preparers of technology teachers along with the state and national organization that govern our programs have all either formally changed or in the process of changing their names to also include engineering in their program title.

Also, a great deal of thought has gone into the design of the curriculum. The program developers understand the tremendous challenges faced by modern K-12 educators. Therefore, the developers see the more diverse each students' experience can be as they progress through the program the better they will be able to conduct themselves as both technologists and educators. Therefore, in response to this belief, we have sought ways to provide experiences through the program with a variety of other professors and instructors throughout the College of Technology. One way this is evident is by our curricular structure that provides opportunities for students to take a variety of courses outside the department in other areas of the College of Technology. For example, AVT 141 "Aviation Fundamentals", CNST 111 "Construction Materials, Methods, and Equipment, and AET 132 "Introduction to Transportation" are some of the ways the new program structure allows students opportunity to interact with the experts in any one of the fields. CNST 111 for example provides aspiring teachers the chance to learn from professors that have spent years working and learning in the construction industry, giving the aspiring teacher a wealth of skills and knowledge needed to design rich opportunities for their K-12 public education students.

In addition, we have fixed the several redundancies in the curriculum between the College of Education and the College of Technology Requirements. To begin, we merged the content from 115 (formally one credit hour) and 215 (formally 2 credit hours) into TCED 115 which is now a three credit hour course. We have also taken ITE 470, 490, and 491 (formally two credit hours each) and reworked and combined the curriculum to now be TCED 470 (three credit hours) and TCED 490 (three credit hours). Our belief is that by combining these courses we will be able to offer a much richer experience while not loading our students with several similar methods style courses already offered in the College of Education section of the program. We have also eliminated the requirement for student to take the TCED 100. This is only a requirement for students if they enter the program

with no high school technology education experience.

Finally, the program overall was designed to help support the ability for students to progress through the program in a timely and efficient manner while leaving room for students to seek additional opportunities from a minor. By adding a minor in select educational areas, students will earn additional teaching licenses making them far more marketable to a particular school corporation and thus making our program more marketable state wide.

Student Learning:

The program changes outlined above will achieve several goals. The reorganization and structuring of our new Technology & Engineering Education major, for example, will provide a more solid structure for our NCA accreditation as well as more closely adhere to our assessment criteria. It will also serve to put us in sync from a perspective of curriculum with many of our affiliates including: Technology Educators of Indiana, International Technology Education Association, the Indiana Department of Education, and Technology Education Collegiate Association.

Finally, the changes to the program will also help in reorganizing and addressing the new philosophical beliefs and needs presented by today's modern K-12 educational environment. These changes provide a much needed fresh perspective in preparing tomorrow's technology and engineering educators.

Proposed Catalog Copy:

Technology and Engineering Education--Secondary (57 semester hours)
CIP Code: 131320 Major Code: _____

This major may be added to the Senior High-Junior High/Middle School Instructional License as described in the department of Curriculum, Instruction, and Media Technology (CIMT). This major requires a cumulative grade point average of 2.5.

Required courses:

Technology and Engineering Education (TCED): 100—3 hrs, 115—3 hrs, 222—3 hrs, 307—3 hrs, 327—3 hrs, 490—3 hrs, 470—3hrs.
Mechanical Engineering Technology (MET): 103—3hrs, 333—3 hrs
Electronics and Computer Technology (ECT): 160 or 174—3 hrs, 172—3 hrs,
Manufacturing (MFG): 225—3 hrs
Automotive Engineering Technology (AET): 132—3 hrs
Construction Technology (CNST): 111—3 hrs
Directed Electives: Required 12 credit hours appropriate to four technology systems selected in consultation with the advisor.
Directed Liberal Studies: Technology and Engineering Education 201 (for SBS:E)--3 hrs.

Preferred effective term: Fall 2008

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

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

Brief Summary:

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

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

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

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

Other examples of comparisons of the two names:
1. Community Health or public health is an aspect of health services concerned with threats to the overall health of a community based on population health analysis.

(www.dictionaryofeverything.com/explore/957/Medicine.html)

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

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

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

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

Student Learning:

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

Proposed Catalog Copy:
Public Health Concentration (33-34 hours)
CIP Code: 511504 Concentration Code: _____

Health, Safety, and Environmental Health Sciences courses:
210—3 hrs.; 212—3 hrs.; 341—3 hrs.; 360—3 hrs.; 393—2 hrs.; 424—3 hrs.; 428—3 hrs.; 491—3 hrs.
Other required courses: Athletic Training 210-2 hrs. and Physical Education 220-2 hrs. or Biology 112—3 hrs. and 112L—1 hr. or Life Sciences 231—2 hrs. and 231L—1 hr. or 241—2 hrs. and 241L—1 hr.; Physical Education 180—1 hr.; Psychology 101—3 hrs.; 362—3 hrs. or 368—3 hrs.
Preferred effective term: Fall 2008

PROGRAM ELIMINATIONS

COLLEGE OF TECHNOLOGY: Aviation Technology

Aerospace Technology Education Endorsement (10 semester hours minimum)

Brief Summary:

The teaching endorsement process in Indiana for elementary, junior high/middle school has changed and this educational endorsement is no longer needed.

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

UNDERGRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Psychology

***PSY 414 Motivation and Behavior**—3 hours. Human and animal motivation treated as a function of physiological processes, learning, development, and social interaction. Prerequisite: 201 or consent of instructor.

Change prerequisites to:

***PSY 414 Motivation and Behavior**—3 hours. Human and animal motivation treated as a function of physiological processes, learning, development, and social interaction. Prerequisite: 201 or equivalent, or consent of instructor.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Electronics, Computer, and Mechanical Technology

***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 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 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

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 ITE to HRD:

420
425
Preferred effective term: Fall 2008

ITE 468 Total Quality Management—3 hours. An exploration of the leaders, principles, processes, tools, and resources of the movement to improve products, services, and relationships in industry and education.

Change prefix and title to:

TMGT 468 Continuous Performance Improvement—3 hours. An exploration of the leaders,

principles, processes, tools, and resources of the movement to improve products, services, and relationships in industry and education.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

***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

COURSE ELIMINATIONS

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

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

COLLEGE OF TECHNOLOGY: Technology Management

The following courses are to be eliminated:
ITE 452
ITE 492
ITE 493
MCT 452
MCT 453
MCT 459
Preferred effective term: Fall 2008

GRADUATE APPROVALS

NEW COURSES

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

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

CIMT 658 Social and Political Influences on Classroom Practices—3 hours. This course is designed to actively engage participants in identifying and understanding the social and political bases for current educational legislation and initiatives, especially as these drive classroom practices.
Preferred effective term: Fall 2008
CIMT 665 Instructional Innovation—3 hours. This course is designed to provide a practical analysis of innovative instructional strategies that contribute to effective teaching and student learning.
Preferred effective term: Fall 2008

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

CIMT 775 Action Research in Education—3 hours. Students design and conduct a field-based action research project which explores a contemporary educational problem within a particular teaching environment. The activity challenges the student to bring together the integrated themes and topics encountered in the master's coursework. Prerequisite: 610.
Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

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

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 ARTS AND SCIENCES: Psychology

PSY 514 Motivation and Behavior—3 hours. Human and animal motivation treated as a function of physiological processes, learning, development, and social interaction. Prerequisite: 201 or consent of instructor.

Change prerequisites to:

PSY 514 Motivation and Behavior—3 hours. Human and animal motivation treated as a function of physiological processes, learning, development, and social interaction. Prerequisite: 201 or equivalent, or consent of instructor.
Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Electronics, Computer, and Mechanical Technology

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

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.

Course may be repeated for up to 6 credit hours. 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

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 ITE to HRD:

520	656	830
525	670	
605	695	

Preferred effective term: Fall 2008

COLLEGE OF TECHNOLOGY: Technology Management

Change of prefix only from ITE to TCED:

604
672
892

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 598 Introduction to Techniques of Coordination of Cooperative Education—2 hours. Procedures and role in coordination of cooperative education program. Prerequisite: 581 or consent of instructor. (Also listed as Administrative Systems and Business Education 598 and Family and Consumer Sciences 598.)

Change prefix to:

CTE 598 Introduction to Techniques of Coordination of Cooperative Education—2 hours. Procedures and role in coordination of cooperative education program. Prerequisite: 581 or consent of instructor. (Also listed as Administrative Systems and Business Education 598 and Family and Consumer Sciences 598.)

Preferred effective term: Fall 2008

ITE 603 Topics and Experiences in Vocational-Technical Education—1-3 hours. Experiences selected or designed to provide further understanding and experience with the industrial and trade technology as it functions in our society. Primarily designed to upgrade the vocational instructor, coordinator, and vocational administrator. Must be approved by the department.

Change prefix, title, repeat, and description to:

CTE 603 Topics and Experiences in Career and Technical Education-1-3 hours. Experiences selected to designed to provide further understanding and experience with the industrial and trade

technology as it functions in our society. Primarily designed to upgrade the career and technical education instructor, coordinator, and career and technical education administrator. Must be approved by the department. Repeatable to a maximum of 6 hours.
Preferred effective term: Fall 2008

ITE 671 Philosophy of Industrial-Vocational-Technical Education—3 hours. Basic philosophy of industrial-vocational-technical education in relation to modern educational programs and the relationship to other curriculum areas. Prerequisite: an undergraduate vocational teaching major; supervisory or administrative experience or preparation for school administration; or approval by the department.

Change prefix, title, and description to:

CTE 671 Philosophy of Career and Technical Education—3 hours. Basic philosophy of career and technical education in relation to modern educational programs and the relationship to other curriculum areas. Prerequisites: an undergraduate career and technical education teaching major; supervisory or administrative experience or preparation for school administration; or approval by the department.
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 human resource development for education and industry. Students will investigate concepts and practices of leadership, organizational culture, and explore how they affect people within an 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

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

Reactivate, change prefix, title, and description to:

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

IMT 529 Workplace Law and the Industrial Supervisor—3 hours. Analysis of laws and

regulations that have the greatest influence on management of front-line industrial employees. Research and synthesis of legislation, landmark and recent litigation, case studies, trends and industrial projects are used to prepare industrial front-line supervisors to proactively meet the letter and spirit of the law while meeting management goals.

Change prefix, title, and description to:

TMGT 529 Workplace Law for the Technical Manager—3 hours. Analysis of laws and regulations that have the greatest influence on management of front-line industrial employees. Research and synthesis of legislation, landmark and recent litigation, case studies, trends and industrial projects are used to prepare technical managers to meet the letter and spirit of the law while meeting management goals.

Preferred effective term: Fall 2008

ITE 568 Total Quality Management—3 hours. An exploration of the leaders, principles, processes, tools, and resources of the movement to improve products, services, and relationships in industry and education.

Change prefix and title to:

TMGT 568 Continuous Performance Improvement—3 hours. An exploration of the leaders, principles, processes, tools, and resources of the movement to improve products, services, and relationships in industry and education.

Preferred effective term: Fall 2008

MCT 593 (B-Z) Construction, Manufacturing, or Printing Technology Workshop—1-3 hours. The content of each workshop will relate to the new and current developments in the various technological areas.

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

TMGT 593 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 6 credit hours.

Preferred effective term: Fall 2008

MCT 603 Topics and Experiences in Construction, Manufacturing, or Printing Technology (B-Z)—1-3 hours. Experiences selected or designed to provide understanding and experience with technology as it functions in our society: a—construction, b—manufacturing, c—printing.

Change prefix, title, repeat, and description to:

TMGT 603 Topics and Experiences in Technology Management—1-3 hours. Experiences selected or designed to provide understanding and experience with technology as it functions in our society. Course is repeatable for a maximum of 6 credit hours.

Preferred effective term: Fall 2008

ITE 659 Occupational Internship—3 hours. The purpose of this field based project experience is to identify and solve real training and linking problems common to the educational establishments with industry and business.

Change prefix and title to:

TMGT 659 Professional Internship—3 hours. The purpose of this field based project experience is

to identify and solve real training and linking problems common to the educational establishments with industry and business.
Preferred effective term: Fall 2008

MCT 679 Problems in Construction, Manufacturing, or Printing Technology—1-3 hours. Content determined to large extent by the interest and needs of each individual enrolled for the course.
Change prefix, title, and description to:
TMGT 679 Problems in Technology Management—1-3 hours. Content determined to large extent by the interest and needs of each individual enrolled for the course.
Preferred effective term: Fall 2008

ITE 698 Research Methods in Industrial Technology Education—3 hours. Study of research design and methods employed by vocational-technical educators and an evaluation of results of research with implications for further research.
Change prefix, title, and description to:
TMGT 698 Research Methods—3 hours. Study of research methods and an evaluation of results with implications for further research.
Preferred effective term: Fall 2008

COURSE REACTIVATIONS

COLLEGE OF TECHNOLOGY: Technology Management

ITE 682 Organization and Administration of Vocational and Technical Education—3 hours. Study of the laws providing for various types of vocational and technical education. The problems and techniques that are involved in the organization and administration of a modern vocational education program and their relation to the total program.
Change prefix, title, and description to:
CTE 682 Organization and Administration of Career and Technical Education—3 hours. Study of the laws providing for various types of career and technical education. The problems and techniques that are involved in the organization and administration of a modern career and technical education program and their relation to the total program.
Preferred effective term: Fall 2008

COURSE BANKING

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

CIMT 560M
CIMT 565
CIMT 662
CIMT 664
Preferred effective term: Fall 2008

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

MCT 698
MCT 699
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

PROGRAM REVISIONS

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

Master of Science—Electronics and Computer Technology (32 semester hours)
CIP Code: 150303 Major Code: D860

Brief Summary:

Prefix changes necessary due to the reorgnization of the College of Technology.

Proposed Catalog Copy:

Master of Science—Electronics and Computer Technology (32 semester hours)
CIP Code: 150303 Major Code: _____

In addition to the admission standards previously cited, applicants are expected to have completed an undergraduate major in computer technology or electronics (with courses related to computer interfacing, process control technology, machine-level languages, instrumentation, electrical power, or electronics application and design) and possess an appropriate working knowledge of mathematics and science.

Prospective students who have completed undergraduate programs in areas unrelated to electronics or computer technology may request evaluation of their programs of preparation for identification of deficiencies, the removal of which would enable them to enroll in the core courses (i.e. satisfy course prerequisites that may exist).

Graduate study in electronics and computer technology is designed for persons preparing for career advancement or improvement in electronics control, technical sales, field representation, or electrical power.

With a 32 semester hour minimum, the curriculum is intended to provide a rigorous and individualized program that accommodates the previous experiences, education, and interests of degree candidates. For earning a master's degree, the curriculum sequence includes three program phases concerning the "content," "application," and "integration" of related knowledge, theory, and skill.

Content (23 hours): During this preliminary program phase, students are expected to acquire or improve competencies relating to advanced electronics, industrial control, and computer technology.

Research (3 hours): Electronics and Computer Technology 698—3 hrs., or Technology Management 698—3 hrs.

Required Major (9 hours): Select from Electronics and Computer Technology 537—3 hrs., 542—3 hrs., 623—3 hrs., 634—3 hrs., 642—3 hrs., 661—3 hrs., 663—3 hrs.

Major Electives (2-5 hours): as approved by advisor.

Electives outside the department (6-9 hours): as approved by advisor.

Application (6 hours): During this phase, students incorporate content principles, procedures, and skills to effectively demonstrate: (1) a familiarity with the tools of research, (2) scholarship in their field, (3) an ability to work independently, and (4) their ability to present the results of an investigation.

Thesis (6 hours): Electronics and Computer Technology 699—6 hrs., or

Major Project (6 hours): Electronics and Computer Technology 697—6 hrs., or

Comprehensive Examination (0 hours) and **electives within the department** (6 hours): As approved by the candidate's examination committee.

Culminating Experience: The culminating experience course Electronics and Computer Technology 680—3 hrs. must be completed during the last semester of course work or after completing 24 semester hours of the approved program of study.

Note: At least one-half of the credit hours must be in courses numbered at the 600 level or above.
Preferred effective term: Fall 2008