COLLEGE OF BUSINESS ADMINISTRATION

Administration

Thomas G. Gutteridge, dean
Stranahan Hall Room 5021
Phone: 419.530.2285
thomas.gutteridge@utoledo.edu

Anand S. Kunnathur, associate dean for graduate programs, research and grant development
Stranahan Hall Room 5020
Phone: 419.530.5644
anand.kunnathur@utoledo.edu

Terribeth Gordon-Moore, associate dean and director of undergraduate programs
Stranahan Hall Room 5022
Phone: 419.530.4376
terribeth.gordon@utoledo.edu

Sandy Whitman, administrative assistant
Phone: 419.530.2558
Fax: 419.530.7744

Chris Filzer, business manager
Phone: 419.530.7715

Barb R. Snavely, director, student services
Phone: 419.530.2087
Fax: 419.530.5353
barb.snavely@utoledo.edu

David Chatfield, director, M.B.A./E.M.B.A. programs
Phone: 419.530.5231
Fax: 419.530.7260
david.chatfield@utoledo.edu

Academic Departments

Department of Accounting
Diana R. Franz, chair
Stranahan Hall Room 3045
Phone: 419.530.4264
diana.franz@utoledo.edu
Department of Finance
Ravi Ravichandran, chair
Stranahan Hall Room 4047
Phone: 419.530.4317
Ravi.Ravichandran@utoledo.edu

Department of Information Operations and Technology Management
T.S. Ragu-Nathan, chair
Stranahan Hall Room 4041
Phone: 419.530.2427
t.ragu-nathan@utoledo.edu

Department of Management
Sonny Ariss, interim chair
Stranahan Hall Room 2044
Phone: 419.530.4060
sonny.ariss@utoledo.edu

Department of Marketing and International Business
Anthony Koh, chair
Stranahan Hall Room 3010
Phone: 419.530.2287
anthony.koh@utoledo.edu

Department of Applied Organizational Technology
Mary Humphrys, chair
Faculty Annex 146
Phone: 419.530.3077
mary.humphrys@utoledo.edu

Academic Support Services
Student Services Center
Stranahan Hall Room 1016
Phone: 419.530.2087
Fax: 419.530.5353

Barb Robertson Snavely, director of student services
barb.snavely@utoledo.edu
Robert Detwiler, academic services and recruitment
Robert.Detwiler@utoledo.edu

Kari Dilworth, academic services and recruitment
Kari.Dilworth@utoledo.edu

Deborah A. Jones, transfer student specialist
deborah.jones2@utoledo.edu

Deborah Roberts, academic services and honors specialist
Deborah.Roberts@utoledo.edu

Darlene Stevens, enrollment management specialist
darlene.stevens@utoledo.edu

Department of Applied Organizational Technology
Pamela Pullella, academic services
Faculty Annex 1180
Scott Park Campus
Phone: 419.530.3246
Pamela.Pullella@utoledo.edu

Business Career Programs
Terribeth Gordon-Moore, associate dean and director of undergraduate programs
Stranahan Hall Room 1045
Phone: 419.530.4376
Fax: 419.530.7744
terribeth.gordon@utoledo.edu

Mission Statement (adopted 10/02/07)
"Developing Lifelong Leaders for the World of Business..

- Preparing a diverse body of students for life-long careers as leaders and contributing professionals
- Delivering influential research and publications
- Enhancing the world of business practice and serving as a resource for regional economic development
Accreditation

The University Of Toledo College Of Business Administration has two undergraduate programs fully accredited at the undergraduate level by The Association to Advance Collegiate Schools of Business (AACSB International). These include the bachelor of business administration (BBA) and the Bachelor of Science in information technology (BSIT). More information on the AACSB accreditation may be found at http://www.aacsb.edu/

Admission Policies

General Requirements

Bachelor of Business Administration (BBA)
To be admitted to the bachelor of business administration program (BBA) at The University of Toledo, students need a minimum 2.40 cumulative high school grade point average (GPA) and a minimum 18 ACT composite or 860 SAT composite. Students with an ACT of 25 or higher will be admitted to the College of Business Administration regardless of high school GPA. Students with a high school GPA of 3.2 or higher will be admitted to the College of Business Administration regardless of ACT/SAT scores. Students who do not qualify for admission to the College of Business Administration BBA will be admitted to the associate of arts pre-business degree program which is designed to complete the first two years of the bachelor of business administration degree.

Bachelor of Science in Information Technology (BSIT)
To be admitted to the Bachelor of Science in information technology program at The University of Toledo, students need a minimum 2.25 cumulative high school grade point average (GPA) and a minimum 21 ACT composite or 980 SAT.

Bachelor of Applied Organizational Technology (BAOT)
All transfer students must have a minimum GPA of 2.25 and have completed a technical associate degree to be accepted into the College of Business Administration for the bachelor of applied organizational technology. Transfer students’ admission will be determined by the higher education (HEd) grade point average. The HEd GPA is based on all letter grades attained at all institutions of higher learning and uses the point average scale of “A” equaling four points.

Associate Degree Programs
To be admitted to an associate degree program in the College of Business Administration at The University of Toledo, students need a minimum 2.00 cumulative high school grade point average (GPA). Students who do not qualify for admission to the College of Business Administration will be admitted to the University of Toledo Learning Collaborative and may transfer to the College of Business Administration when the minimum requirements are met.
College Specific Requirements

Admission to Divisions

The qualifications for admission to the undergraduate associate or bachelor degree program (excluding BSIT and BAOT) and to the upper division; the prerequisites for courses, and all other requirements stated in this catalog apply equally to all students. For purposes of admissions, the College of Business Administration has four divisions:

1. The Lower Division – Students enter this division upon admission to the University and college and will complete the pre-professional business and University Core Classes towards a bachelor degree.

2. The Upper Division – Undergraduate students can apply for admittance to the upper division when their earned hours plus their registered hours total 60. A student will be admitted to the upper division upon the completion of 60 hours, which must include the required and elective courses in the lower division; earning a minimum GPA of 2.25 in the following courses: BUAD 1010, 1020, 2040, 2050, 2060, 2070 and 2080; and earning an overall minimum GPA of 2.25 except accounting – see below. A student not meeting the standards but with a cumulative GPA of 2.0 will be reviewed by the college admission committee for admission to the upper division on an individual basis.

Requirements to be admitted to the accounting area of specialization and to register for ACCT 3100 are as follows: a minimum GPA of 2.50 in the introductory-level college accounting courses, including a grade of C (2.0) or better in BUAD 2040 and 2050 or equivalent courses, and an overall higher education minimum GPA of 2.50 in all prior college level courses.

(Students in the Department of Applied Organizational Technology degree programs should refer to the specific department section found below for more information)

3. The Associate Division - Students enter this division upon admission to the University and college and will complete the required classes towards an associate degree in the chosen specialization. Students may also complete the pre-professional business and University Core Classes towards a bachelor degree if minimum requirements are not met initially to enter the bachelor degree program the first semester.

4. The Graduate Studies Division – This division consists of all students who have been admitted for graduate study in the college. The procedure for admission and the entrance requirements are outlined in the Graduate School portion of this catalog.
Transfer and Change of College Policy

Admission Requirement for Transfer Students
Transfer students’ admission will be determined by the higher education (HEd) grade point average. The HEd GPA is based on all letter grades attained at all institutions of higher learning and uses the point average scale of “A” equaling four points. The admission of students wishing to change from another college within The University of Toledo to the College of Business Administration to pursue a Bachelor in Business Administration must have a minimum 2.40 GPA based on their current UT cumulative GPA.

Bachelor of Business Administration
All transfer students must have a minimum GPA of 2.40 to be accepted into the College of Business Administration.

Bachelor of Science in Information Technology
All transfer students must have a minimum GPA of 2.25 to be accepted into the College of Business Administration.

Evaluation of Courses for Transfer Students
Transfer courses will be evaluated by the College of Business Administration after the student has submitted official transcripts from all colleges/universities attended and has been accepted by the college. The student must complete the evaluation process before the end of the first term of attendance at UT.

For purposes of determining the UT GPA, grades from another institution do not transfer. The GPA will be based on the course work taken while enrolled in The University of Toledo. For students transferring into the College of Business Administration from another college within The University of Toledo, all undergraduate hours attempted and earned, as well as the GPA, will transfer. Students must also have completed a minimum eight hours to transfer into the College of Business Administration. To qualify for the BBA, BSIT, or BAOT, students must fulfill all College of Business Administration course and grade requirements. No required course in the College of Business Administration may be repeated at any other institution for the purpose of transferring credit to The University of Toledo toward any business administration program or degree. For additional information on transfer policies, please see the General Section of this catalog.

Transfer students should note The University of Toledo will include all course work taken at all institutions of higher education in the calculation to determine if a student will graduate with honors. All college course work taken is computed in determining eligibility for graduation with honors, although no student will be awarded a level of honors above that indicated by The University of Toledo cumulative GPA. The University of Toledo requires a minimum of 30 semester hours of standard letter-graded courses from UT in order to qualify for graduation with honors.
The College of Business Administration Student Services Center (SSC) will complete the evaluations based on course equivalencies determined by the appropriate academic unit. In many cases, courses from other universities/colleges have been pre-approved for equivalency and will transfer with confirmation. Equivalent courses from AACSB-accredited schools automatically transfer. When automatic transfer does not exist, it is possible for a student to obtain course equivalency by petitioning to take a proficiency exam. Students should provide a course syllabus and/or any additional documentation with the petition. Students should contact the SSC for additional information.

Course Applicability System (CAS)
The Course Applicability System (CAS) is a statewide web-based transfer information system supported by the Ohio Board of Regents. CAS shows course equivalencies between public and private two-year and four-year colleges and universities, along with college degree requirements. To access transfer information, access CAS.

College Honors
The college Honors Program is an opportunity for students of high ability and achievement to enrich their regular program of college work. Admission is based on grades, scores on achievement tests, and an essay. The College of Business Administration’s Honors Program is offered as part of the University Honors Program. Students take honors courses in the College of Arts and Sciences, as well as in the College of Business Administration. Enrollment in honors courses is limited. Up to 30 freshman students are admitted each fall to a program leading to receipt of the College of Business Administration honors citation upon graduation. See the General Section of this catalog for additional information on admission to the Honors Program.

Program Requirements
College of Business Administration College Honors Program
To be eligible for the College of Business Administration Honors Program citation, a student must:

1. Fulfill all requirements for an approved degree program within the college with a minimum overall GPA of 3.3.

2. Complete a minimum of 33 hours of honors courses, which must include the following:

   Lower Division Courses:
   - BUAD 1000 Orientation for Business Students
   - BUAD 1010 Introduction to Business
   - BUAD 2040 Financial Accounting Information
   - HON 1010 Readings Conference I
   - HON 1020 Readings Conference II
   - HON 2020 Multicultural Literatures: The North American Experience
     or
   - HON 2030 Multicultural Literatures: The Non-European World
Upper Division Courses:
BUAD 3010 Principles of Marketing
BUAD 3020 Principles of Manufacturing and Service Systems
BUAD 3030 Managerial and Behavioral Processes in Organizations
BUAD 3040 Principles of Financial Management
BUAD 4020 Senior Business Policy Forum - Honors Thesis

A minimum of six hours earned by successful completion of two upper-division interdisciplinary seminars offered through the University Honors Program.

3. Complete an additional three-hour honors course in the student’s major(s).

Departmental Honors
Currently enrolled University of Toledo students and transfer students may apply during their last semester in the college's lower division for admission to the College of Business Administration departmental Honors Program if they have completed at least 45 semester hours of college work and have earned a minimum GPA of 3.3 (4.0 scale). Students are admitted to the departmental honors program on a space-available basis.

Program Requirements

College of Business Administration Departmental Honors Program
To be eligible for the College of Business Administration departmental Honors Program citation, a student must:

1. Fulfill all requirements for an approved degree program within the college with a minimum overall GPA of 3.3.

2. Complete a minimum of 15 hours of honors courses that must include the following:

   Upper Division Courses:
   BUAD 3010 Principles of Marketing
   BUAD 3020 Principles of Manufacturing and Service Systems
   BUAD 3030 Managerial and Behavioral Processes in Organizations
   BUAD 3040 Principles of Financial Management
   BUAD 4020 Senior Business Policy Forum-Honors Thesis

3. Complete an additional three-hour honors course in the student’s major(s).

Honors Retention Standards
To remain in good standing in the College of Business Administration Honors Program, a student must earn a minimum overall GPA of 3.0 by the end of the first year (typically at least 30 hours), 3.1 by the end of the second year (typically at least 60 hours), and 3.2 by the end of the third year (typically at
least 90 hours), and make satisfactory progress toward fulfillment of the requirements for a degree “with honors” in the college.

Academic Policies

General Requirements
Refer to the UT Policy web site for general academic policies that apply to all students.

Academic Advising
Students receive advising concerning their bachelor degree program from the college professional advisers located in the Student Services Center in Stranahan Hall Room 1016. Students receive advising concerning their associate degree program from the college professional adviser located in the Faculty Annex Room 1180 at the Scott Park Campus. Appointments and walk-in hours are available throughout the year. Degree audits also are available in the Student Services Center and online through Student Self-Service through the myUT portal. (Refer to the list of advisers under Academic Support Services)

Student Responsibilities
Students are responsible for selecting the correct courses for their programs of study each semester and for fulfilling their degree requirements. Although advisers will assist wherever possible, the final responsibility for fulfilling all degree requirements rests with the student.

Declaring or Changing a Major and/or Minor within the College
Forms for declaring or changing a college major and/or minor are available in the Student Services Center or online at www.utoledo.edu/business/. Students outside of the college must meet with an adviser to change into the College of Business Administration prior to declaring or changing a major or minor.

GPA Recalculation for Repeated Courses
Effective fall 2006, if a student repeats a UT course and receives a higher grade, a request to delete the original grade, as long as the original course grade was lower, can be made. Prior to fall 2006, if a student repeats a UT course and receives a grade of C (2.0) or higher, a request to delete the original grade, as long as the original course grade was a C- or lower, can be made. The request form is available in the Student Services Center. If the original grade was earned because of cheating or academic dishonesty, it will not be deleted. A maximum of 12 credit hours can be deleted.

Academic Probation
When a student’s cumulative GPA falls below 2.0, the student is automatically placed on probation. The COBA recommends that a student limit enrollment to less than 15 hours per semester while on probation.
Academic Suspension

A student is subject to academic suspension if he/she falls below the minimum requirements or fails to make sufficient progress toward attainment of the degree. Academic suspension means a student is unable to attend classes at The University of Toledo for a minimum period of one semester. No course work taken at any other educational institution during the student's suspension shall be accepted as transfer credit. However, students may remove incompletes while under suspension. The COBA does suspend students after their initial term at UT and will suspend a student after any term in which the student's GPA falls below the standards. Students serving their first suspension will be unable to attend The University of Toledo for one semester. If a student fails to meet the conditions for re-admittance or is suspended a second time because his/her GPA falls below the UT standards, the suspension will be one year. A third suspension is often considered to be a “final suspension”. Any student pursuing an associate’s degree who has been on academic probation after earning 24 or more credit hours can be placed on academic suspension. A suspended student must submit an appeal in writing for readmission to the director of student services.

Code of Student Academic Conduct and Student Academic Grievance Procedure

Issues related to charges of student academic misconduct or disputes as to final course grades, and the procedures for resolving such issues are set forth by the specific language of the Code of Student Academic Conduct and the procedures for resolution of such issues in the Student Academic Grievance Procedure. The College of Business Administration (COBA) provides a copy of the COBA Code of Conduct to all new students in their orientation sections, BUAD 1000 and BMGT 1000, to all transfer students in their Rocket Transition group presentation, and to change of college students in their initial advising appointment.

Procedural guidelines are also located on the college’s web site at www.utoledo.edu/business.

Degree Audit Reporting System (DARS/DARWIN)

The Degree Audit Reporting System is an automated record that contains all of a student’s graduation requirements and tracks that student’s progress toward meeting those requirements. Degree audits are available in the Student Services Center and online through Student Self-Service through the myUT portal. Students are encouraged to keep current degree audits for their personal use and to discuss their degree audits with their academic advisers.

Degree Requirements for the Bachelor of Business Administration (BBA)

Grade and Hour Requirements

In order to earn a BBA degree, students must complete a minimum of 126 hours of course work, with a minimum cumulative 2.0 GPA on a 4.0 scale. All University core, lower division and upper division requirements must be satisfied. Students must earn a minimum of a C (2.0) grade in each course in the area of specialization/major, in COMM 3880, and in each course in a business minor. The
departmental chair has the prerogative of substituting an additional course in the area of specialization or minor, rather than requiring the student to repeat the course in which a grade below C was received. The student must earn a C or higher in the substituted course for it to satisfy the requirements of the specialization or minor.

*Lower Division Curricular Requirements*

Students earning bachelor degrees in all colleges and programs as well as those pursuing associate of arts and associate of science degrees are required to complete between 27 and 30 credit hours of courses that comprise the University General Education/Core Curriculum. The courses are distributed in the areas of English composition, humanities/fine arts, social sciences, natural sciences, mathematics and multicultural studies. Students must earn a minimum “C” (2.00) average in the University Core Curriculum.

Courses that each student is required to take in the College of Business Administration, regardless of area of specialization, are identified below. Students must earn a 2.25 GPA in subset courses marked with (*).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 1000</td>
<td>Orientation for Business Students</td>
<td>1</td>
</tr>
<tr>
<td>BUAD 1010 (*)</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 1020 (*)</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 2000</td>
<td>Career Development I</td>
<td>1</td>
</tr>
<tr>
<td>BUAD 2040 (*)</td>
<td>Financial Accounting Information</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 2050 (*)</td>
<td>Accounting for Business Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 2060 (*)</td>
<td>Data Analysis for Business</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 2070 (*)</td>
<td>Application of Statistics in Business Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 2080 (*)</td>
<td>Global Environment of Business</td>
<td>3</td>
</tr>
</tbody>
</table>

*Upper Division Curricular Requirements*

All students must make formal application for admission to the upper division one semester before the semester in which they earn 60 hours.

The core junior and senior years of the curriculum consist of the following upper division business requirements, an area of specialization, and a minor or business elective courses. Students must earn a 2.25 GPA in subset courses marked with (*). A grade of "C" (2.00) or higher must be earned in COMM 3880.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 3000</td>
<td>Career Development II</td>
<td>1</td>
</tr>
<tr>
<td>BUAD 3010 (*)</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 3020 (*)</td>
<td>Principles of Manufacturing and Service Systems (*)</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 3030</td>
<td>Managerial and Behavioral Processes in Organizations (*)</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 3040 (*)</td>
<td>Principles of Financial Management (*)</td>
<td>3</td>
</tr>
</tbody>
</table>
BUAD 3050 Information Technology Management (*) ................................................. 3
BUAD 3470 Legal and Ethical Environment of Business (*) ..................................... 3
BUAD 4020 Senior Business Policy Forum (*) ......................................................... 3
COMM 3880 Professional Business Communication .............................................. 3

Requirements for areas of specialization and minors are identified by functional area in the following pages. Students in the College of Business Administration wishing to pursue a second area of specialization can count up to two relevant courses (6 hours) taken in their first specialization toward a second specialization. Relevance of the courses is at the discretion of the two departments. Such a program may require taking more than the minimum of 126 hours for the BBA degree.

See website for check sheet of program [http://www.utoledo.edu/business/StuServ/Checksheets.html](http://www.utoledo.edu/business/StuServ/Checksheets.html)

**Residence Requirement**

To earn a degree from the College of Business Administration, a student must complete at least 50 percent of business credits from the college. The senior year (final 30 semester hours) in the baccalaureate program must be taken in residence at UT by all business students.

**Class Ranks**

In the College of Business Administration, class rank is determined as follows:

<table>
<thead>
<tr>
<th>Rank</th>
<th>Hours Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-29.99</td>
</tr>
<tr>
<td>Sophomore</td>
<td>30-59.99</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89.99</td>
</tr>
<tr>
<td>Senior</td>
<td>90+</td>
</tr>
</tbody>
</table>

**Degrees Offered**

**Bachelor of Business Administration (BBA)**

The college offers a four-year undergraduate program leading to the bachelor of business administration (BBA). The BBA consists of the University Core Curriculum, non-business electives, required basic courses in all of the functional areas of business, an area of specialization within business, and a minor or elective business courses. Areas of specialization include:

- Accounting
- Electronic Commerce
- Finance
- Financial Services
- Human Resource Management
- Information Systems
- International Business
Marketing
Operations Management
Organizational Leadership and Management
Professional Sales
Supply Chain Management

**Business Minors**

**Internal to College**

The college offers the following minors for business students:

- Accounting
- Business analysis
- Business economics
- Business law
- Commercial real estate
- Decision sciences
- Electronic commerce
- Entrepreneurship, family and small business
- Finance
- Financial services
- Information systems
- Insurance and risk management
- International business
- Management
- Marketing
- Operations management
- Professional sales
- Small business financial management
- Supply chain management

**Bachelor of Business Administration (BBA)**

**Areas of Specialization**

**Accounting**

Professor Diana Franz, adviser

The department of accounting offers courses in the areas of financial accounting, management accounting, auditing, accounting systems and taxation. Completion of an accounting area of
specialization leads to professional careers in public accounting, business and government and begins the preparation for the Certified Public Accountant (CPA), Certified Management Accountant (CMA) and Certified Internal Auditor (CIA) examinations.

The specialization in accounting is designed to enable students to advance more rapidly to positions of responsibility and leadership in their chosen fields. In the state of Ohio, all candidates taking the CPA exam must have completed 150 credit hours. Accounting career fields other than public accounting have not adopted the 150-hour requirement. The department of accounting offers a graduate degree that can be pursued in addition to a bachelor's degree.

Program Requirements

No junior-level accounting courses may be attempted until a student is admitted to the upper division and the major by the Accounting Department.

Required Course: 18 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3100</td>
<td>Financial Accounting &amp; Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3110</td>
<td>External Financial Reporting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3210</td>
<td>Individual Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3310</td>
<td>Accounting Information Systems and Controls</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4120</td>
<td>External Financial Reporting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4310</td>
<td>Internal Reporting</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives: Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 4130</td>
<td>External Financial Reporting III</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4410</td>
<td>Government and Not-For-Profit Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4420</td>
<td>Auditing</td>
<td>3</td>
</tr>
</tbody>
</table>

Students wishing to register for ACCT 3100 must meet the following prerequisites: a GPA of 2.50 or better in all introductory level college accounting courses, including a grade of C (2.0) or higher in BUAD 2040 and 2050 or equivalent courses, and an overall higher education GPA of 2.50 or higher in all prior college-level courses.

Electronic Commerce

Thuong Le, adviser

The electronic commerce (e-commerce) specialization provides students with the managerial and technical skills for successful careers in the Internet economy. E-commerce competencies are essential for business professionals in fields such as marketing, financial services, international business, purchasing, information systems, operations management and professional sales.
Program Requirements
Required Courses:  12 hours
EBUS 3090  E-Commerce and the Networked Economy ........................................ 3
EBUS 3180  Web Design for Business Communication ......................................... 3
EBUS 4040  E-Commerce Intelligence Management ........................................... 3
EBUS 4150  E-Commerce Business Models & Project Management...................... 3

Electives – Choose one of the following career tracks:

Information Technology for Electronic Commerce
INFS 3770  Application Development Using Database Management Systems……. 3

Electronic Commerce Business Applications
MKTG 3280  Internet Marketing ............................................................................. 3
(required in this career track)

and

and

FINA 4090  Financial Markets and Institution

or

MKTG 3260  Global Framework for E-commerce................................................. 3

Finance
Ravi Ravichandran, adviser
For this area of specialization, students must earn a grade of C (2.0) or higher in BUAD 3040 and complete a total of 21 hours, consisting of four required courses (12 hours) beyond BUAD 3040, and three finance electives (9 hours).

Program Requirements
Required Courses:  12 hours
FINA 3480  Investments ................................................................. 3
FINA 4080  Intermediate Corporate Finance .................................................. 3
FINA 4090  Financial Markets and Institutions ............................................. 3
FINA 4670  Advanced Financial Management .............................................. 3

Electives:  9 hours
Select from BANS 3060, 3070 and any three finance electives with the exception of FINA 2000, 3060, 4610 and 4880.
Financial Services
Linda Bowyer, adviser

Program Requirements
Required Courses: 15 hours
FINA 3600 Risk Management
or
FINA 3610 Life and Health Insurance
or
FINA4890 Financial and Estate Planning………………………………………………. 3
FINA 3660 Real Estate Principles, Practices and Finance
or
FINA 3670 Real Estate Valuation
or
FINA 3680 Real Estate Law, Insurance and Taxes .................................................. 3
FINA 3480 Investments ........................................................... 3
FINA 4090 Financial Markets and Institutions....................................................... 3
PSLS 3440 Professional Sales .......................................................... 3

Electives: Select two courses not used as required courses from the following – 6 hours
FINA 3600 FINA 3660 FINA 3680 FINA 4870
FINA 4940 FINA 3610 FINA 3670 FINA 4100
FINA 4890

Human Resource Management
Sonny Ariss, adviser

Human resource management is designed to prepare candidates to assume positions as human resource practitioners in domestic and international business organizations, hospitals, nonprofit organizations, and local, state and federal government agencies.

Program Requirements
Required Courses: 21 hours

BLAW 3550 Legal and Safety Compliance ......................................................... 3
HURM 3220 Human Resource Management ..................................................... 3
HURM 3630 Conflict Management: Mediation and Negotiations........................ 3
HURM 4640 Benefits, Health and Wellness.................................................... 3
HURM 4650 Compensation .............................................................................. 3  
HURM 4660 Planning, Selection & Recruitment ............................................. 3  
HURM 4710 Training and Evaluation ............................................................... 3  

**Information Systems**  
T.S. Ragu-Nathan, adviser  

Information systems provide the student with the managerial and technical skills required to enter the challenging and dynamic field of computers and information systems. The student acquires knowledge involving a variety of topics, including widely used business programming languages, the design and implementation of management information systems, networking and communications, the managerial aspects of system development and the latest technological developments in database management, computer software and information technology.  

**Program Requirements**  
Required Courses: 9 hours  

INFS 3380 Web Application Development I ....................................................... 3  
INFS 3770 Data Base Management Systems ..................................................... 3  
INFS 4510 Systems Analysis & Design .............................................................. 3  

Electives: choose four from the following – 12 hours  
INFS 3150 INFS 3160 INFS 3240 INFS 3370  
INFS 3780 INFS 3980 INFS 4300 INFS 4320  
INFS 4620 INFS 4810 INFS 4940 INFS 4990  

**International Business**  
Don Beeman and Anthony Koh, advisers  

The international business area of specialization plays a key role in preparing future business managers for today’s dynamic global marketplace. The program provides training for careers in small, mid-sized and large companies and government and international agencies with a global orientation, particularly multinational corporations, export-import firms, banks, transportation and logistics firms, and government and international agencies involved in international trade, finance and economic development.  

**Program Requirements**  
Required Courses: 12 hours  

FINA 3500 International Finance ................................................................. 3  
IBUS 3600 International Management ......................................................... 3  
IBUS 4360 Global Business Strategies ......................................................... 3
**MKTG 3140**  International Marketing ................................................................. 3

**Electives: Select any two – 6 hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLAW 3670</td>
<td>International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 3150</td>
<td>Understanding Cultural Differences for Business</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 4180</td>
<td>North American Business Practice</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 4100</td>
<td>Study Abroad</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 4490</td>
<td>Global Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 4980</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 4990</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3260</td>
<td>Global Framework for E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4220</td>
<td>International Sourcing, Logistics and Transportation</td>
<td>3</td>
</tr>
</tbody>
</table>

Other courses subject to approval, including study abroad courses and internships in international business.

**Foreign Language Requirements for International Business Area of Specialization**

Students with an area of specialization in international business must demonstrate foreign language proficiency by satisfying one of the following requirements:

a) Completing four years of one foreign language in high school with a grade of B or higher in each course; or

b) Completing a university-level fourth semester (2150 or Intermediate II) foreign language course; or

c) Have a proficiency in a native language other than English.

**Marketing**

Anthony Koh, adviser

The marketing specialization provides the student with the skills to make decisions about product design and quality, pricing, channels of distribution, advertising and personal selling in ways that enhance consumer satisfaction and further the goals of the organization. The student learns to approach problems with a clear understanding of the relationship between marketing and other business functions.

**Program Requirements**

**Required Courses:** 9 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MKTG 3850</td>
<td>Buyer Behavior and Relationship Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3880</td>
<td>Marketing Research &amp; Data-Based Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4130</td>
<td>Marketing Analysis &amp; Decision Making</td>
<td>3</td>
</tr>
</tbody>
</table>
Electives: Select 6 hours from module I and 6 hours from either module I or module II to equal 12 hours

Module I:
- MKTG 3140 International Marketing ......................................................... 3
- MKTG 3280 Internet Marketing ................................................................. 3
- MKTG 3690 Principles of Marketing Communication ................................. 3
- MKTG 4540 Business Marketing .............................................................. 3
- MKTG 4940 Internship ............................................................................. 3
- PSLS 3440 Professional Sales ................................................................. 3

Module II:
- MKTG 3130 Supply Chain Management .................................................... 3
- MKTG 3260 Global Framework for E-Commerce ........................................ 3
- MKTG 3870 Advertising Strategy ............................................................. 3
- MKTG 3910 Direct Marketing ................................................................. 3
- MKTG 4120 Marketing Channels Management .......................................... 3
- MKTG 4220 International Sourcing, Logistics & Transportation .................. 3
- MKTG 4520 Advanced Market Analysis .................................................... 3
- MKTG 4570 Product & Pricing Management ............................................. 3
- MKTG 4980 Special Topics ..................................................................... 3
- MKTG 4990 Independent Study ............................................................... 3
- PSLS 3080 Purchasing & Business Relationship Mgmt ............................... 3
- PSLS 4710 Sales Force Leadership .......................................................... 3

Operations Management
Paul Hong, adviser

Operations management is designed for students who are interested in the revitalization and enhancing the competitiveness of America’s industrial base or who want to pursue careers in the rapidly expanding service sector. In operations management, students acquire the knowledge and skills to manage people and resources. Students are given a broad overview of operations from product design, process selection, TQM, production planning and scheduling. A student cannot have areas of specializations in operations management and supply chain management.

Program Requirements

Required Courses: 18 hours

- OPMT 3340 Quality Management ............................................................ 3
- OPMT 3610 Production Planning and Control ........................................... 3
- OPMT 3660 Materials Management and Purchasing .................................. 3
- MKTG 4220 Int Sourcing, Logistics, and Transportation ............................. 3
- OPMT 4420 Service Operations Management .......................................... 3
Organizational Leadership and Management
Sonny Ariss, adviser
The area of specialization in organizational leadership and management prepares students to enter a variety of organizations, both for profit and not-for-profit. Graduates of this program receive assessment and training in a number of areas that are crucial to a manager’s success – planning, ethical decision-making, interpersonal skills, team-building, performance development and evaluation, conflict management, motivation and leading change.

Program Requirements
Complete the following courses:  21 hours

HURM 3220  Human Resource Management…………………………………………………………  3
HURM 3630  Conflict Management: Mediation and Negotiations………………………………  3
MGMT 3770  Ethics in Leadership and Management………………………………………………  3
MGMT 4210  Leading and Managing Organizational Improvement……………………………  3
MGMT 4250  Performance Management for Individuals and Teams……………………………  3
MGMT 4330  Organizational Leadership and Management Practicum…………………………  3
MGMT 4780  Leadership & Managerial Competencies…………………………………………  3

Professional Sales
Richard Buehrer, adviser
The professional sales area of specialization prepares students for distinguished careers in business-to-business selling. Listed below are specific courses in the University Core and specific electives needed to fulfill the requirements for a specialization in professional sales. Please see the adviser for details.

Program Requirements
Required professional sales and business courses:  22 hours

MKTG 4540  Business Marketing……………………………………………………………………  3
PSLS 3080  Purchasing & Business Relationship Management…………………………………  3
PSLS 3440  Professional Sales ……………………………………………………………………..  3
PSLS 3450  Account & Territory Management…………………………………………………  3
PSLS 4710  Sales Force Leadership ………………………………………………………………  3
PSLS 4740  Advanced Sales………………………………………………………………………  3
PSLS 4940  Sales Internship…………………………………………………………………………  3
Required Arts and Sciences courses, including required University Core courses:

- **PSY 1010**  Intro. to Psychology (University Core requirement – Social Science)
- or
- **SOC 1010**  Intro. to Sociology (University Core requirement – Social Science)  ……….3
- **COMM 3840**  Interpersonal Comm. (University Core requirement – Hum. /Fine Arts)… 4
- **PHIL 1020**  Critical Thinking (University Core requirement – Hum. /Fine Arts)  
- or
- **PHIL 1010**  Introduction to Logic …………………………………………………………….…..3

University Core requirement – Natural Sciences:
Based on intended industry sales ……….. 6

Choose two Communication courses (6 hours) from the following:

- **COMM 1010**  Communication Principles and Practices……………………………………….. 3
- **COMM 2600**  Public Presentations ……………………………………………………………… 3
- **COMM 3810**  Group Communication ……………………………………………………… 3
- **COMM 3820**  Persuasion Theory…………………………………………………………… 3
- **COMM 4810**  Nonverbal Communication …………………………………………………… 3

**Supply Chain Management**
Paul Hong, adviser

Supply chain management is designed for students who are interested in the revitalization and enhancing the competitiveness of America’s industrial base or who want to pursue careers in the rapidly expanding service sector. In supply chain management, the emphasis will lie in sourcing, industrial marketing, logistics, transportation, quality, information systems, emerging practices in supply chain management and e-commerce. A student cannot have areas of specializations in operations management and supply chain management.

**Program Requirements**

Required Courses: 18 hours

- **OPMT 3340**  Quality Management……………………………………………………………..3
- **OPMT 3610**  Production Planning and Control……………………………………………… 3
- **OPMT 3660**  Materials Management and Purchasing……………………………………….. 3
- **MKTG 3130**  Supply Chain Management……………………………………………………… 3
- **MKTG 4220**  Int Sourcing, Logistics, and Transportation………………………………… 3
- **EBUS 3090**  E-Commerce and the Networked Economy…………………………………… 3
Minor or Business Electives for Business Students

In order to increase the knowledge base of students, the college offers business students the choice of a minor or business electives as part of the curriculum. The course requirements for a minor are specified by the departments. The college offers the following minors for business students: accounting, business analysis, business economics, business law, commercial real estate, decision sciences, electronic commerce, entrepreneurship, family and small business, finance, financial services, information systems, insurance and risk management, international business, management, marketing, operations management, professional sales, small business financial management and supply chain management.

The following minors are only available for College of Business Administration students. Students cannot duplicate credit in their minor, area of specialization and upper division core. The minor consists of three courses (9 hours), unless otherwise noted. Students must complete the 9 credit hours 3000/4000-level Business electives to fulfill their BBA degree requirements even if they are not completing a Business Minor.

**Accounting**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACCT 3000</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3010</td>
<td>Cost Accounting for Non-Accounting Majors</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3030</td>
<td>Tax for Non-Accounting Majors</td>
<td>3</td>
</tr>
</tbody>
</table>

Students may make substitutions for the above courses with the permission of the chair of the department of accounting.

**Business Analysis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>BANS 3060</td>
<td>Managerial Economics</td>
<td>3</td>
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<tr>
<td>or</td>
<td>BANS 3070</td>
<td>3</td>
</tr>
<tr>
<td>INFS 3250</td>
<td>Software Applications in Business</td>
<td>3</td>
</tr>
<tr>
<td>OPMT 4450</td>
<td>Forecasting</td>
<td>3</td>
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</table>

**Business Economics**

<table>
<thead>
<tr>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BANS 3060</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>BANS 3070</td>
<td>Business Fluctuations &amp; Economic Outlook</td>
<td>3</td>
</tr>
<tr>
<td>OPMT 4450</td>
<td>Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>FINA 3500</td>
<td>3</td>
</tr>
</tbody>
</table>
Business Law
Complete three of the following:
BLAW 3550 Legal & Safety Compliance Issues in Human Resource Management  3
BLAW 3570 The Laws of Structuring and Operating a Business  3
BLAW 3670 International Business Law  3
BLAW 4570 Legal and Ethical Aspects of Managing Innovation and Technology  3
BLAW 4580 Detection and Prevention of Deceptive Business Practices  3
MGMT 3770 Ethics in Leadership  3

Commercial Real Estate
FINA 3660 Real Estate Principles, Practices and Finance  3
FINA 3670 Real Estate Valuation  3
FINA 3680 Real Estate Law, Insurance and Taxes  3

Decision Sciences: 9 credit hours
Complete any three of the following courses:
OPMT 3310 OPMT 3760 OPMT 3750 OPMT 4450
OPMT 4760 OPMT 4750 MKTG 3880

Electronic Commerce
Required Courses:
EBUS 3090 E-Commerce & the Networked Economy  3
EBUS 3180 Web Design for Business Communications  3
Elective: Choose one of the following
EBUS 4040 E-Commerce Intelligence Management  3
INFS 3150 Principles of Structural Computer Programming & Problem Solving  3
MKTG 3280 Internet Marketing  3

Entrepreneurship, Family, & Small Business
Required Courses: 9 hours
EFSB 3590 Entrepreneurship and Small Business Management  3
EFSB 4010 Growing Family and Entrepreneurial Businesses  3
EFSB 3480 Entrepreneurial Finance  3
OR
FINA 4840 Small Business Financial Policies and Practices  3
Finance
Required Courses: 9 hours

FINA 3480  Investments ..................................................................................................... 3
FINA 4080  Intermediate Corporate Finance..................................................................... 3
FINA 4090  Financial Institutions and Markets............................................................... 3

Financial Services
Complete three of the following: 9 hours
FINA 3480  FINA 3660  FINA 4090  PLS 3440*
FINA 3600  FINA 3670  FINA 4870  FINA 3610
FINA 4100  FINA 4890
*With permission from chair of the department of finance.

Information Systems
Required:

INFS 3250  Software Applications in Business............................................................... 3
or
INFS 3770  Database Management Systems................................................................ 3

Any two additional electives: 6 hours

INFS 3150  INFS 3160  INFS 3240  INFS 3250
INFS 3370  INFS 3380  INFS 3770  INFS 3780
INFS 3980  INFS 4300  INFS 4320  INFS 4510
INFS 4620  INFS 4810

Insurance and Risk Management: 9 hours
FINA 3600  Risk Management......................................................................................... 3
FINA 3610  Life and Health Insurance............................................................................. 3
FINA 4890  Financial and Estate Planning....................................................................... 3

International Business: 9 hours
Select three courses, taking into consideration prerequisites, from those listed below.

BLAW 3670, FINA 3500, IBUS 3150, IBUS 3600, IBUS 4100, IBUS 4180, IBUS 4360, IBUS 4490,
MKTG 3140, MKTG 3260, MKTG 4220
Management
Complete three of the following: 9 hours
HURM 3220  Human Resource Management......................................................... 3
HURM 3630  Conflict Management: Mediation and Negotiations.......................... 3
MGMT 3770  Ethics in Leadership and Management............................................. 3
MGMT 4210  Leading and Managing Organizational Improvement....................... 3
MGMT 4250  Performance Management for Individuals and Teams....................... 3
MGMT 4780  Leadership and Managerial Competencies....................................... 3

Marketing: 9 hours
Required:
MKTG 3850  Buyer Behavior and Relationship Management
or
MKTG 3880  Marketing Research and Data-Based Management.......................... 3
Electives:
Select two courses (6 hours) from the courses listed below:
MKTG 3130, MKTG 3140, MKTG 3260, MKTG 3280, MKTG 3690, MKTG 3850 or MKTG 3880,
MKTG 3870, MKTG 3910, MKTG 4120, MKTG 4220, MKTG 4520, MKTG 4540, MKTG 4570, MKTG 4980, MKTG 4990, PSLS 3080, PSLS 3440, PSLS 4710, PSLS 4740

Operations Management: 9 hours
Select three courses:
OPMT 3340  Quality Management........................................................................... 3
OPMT 3610  Production Planning and Scheduling................................................... 3
OPMT 3660  Materials Management and Purchasing............................................. 3
OPMT 4760  Simulation Modeling........................................................................... 3

Professional Sales: 9 hours
Required:
PSLS 3440  Professional Sales............................................................................... 3
Electives: Select two from the following
PSLS 3080  Purchasing and Business Relationship Management......................... 3
PSLS 3450  Account and Territory Management................................................. 3
PSLS 4710  Sales Force Leadership.................................................................... 3
PSLS 4740  Advanced Sales................................................................................. 3
MKTG 4540  Business Marketing........................................................................... 3
Small Business Financial Management

Required Courses: 6 hours
FINA 4080 Intermediate Corporate Finance ................................................................. 3
FINA 4840 Small Business Financial Policies and Practices ............................................. 3

Elective: Choose one of the following – 3 hours
FINA 3670 EFSB 3590 EFSB 4010
FINA 4090 FINA 4670

Supply Chain Management: 9 hours
Required:
MKTG 3130 Intro to Supply Chain Management .......................................................... 3

Electives: Select two from the following
MKTG 4220 Int Sourcing, Logistics, Transportation ...................................................... 3
OPMT 3340 Quality Management .................................................................................. 3
OPMT 3660 Materials Management & Purchasing ......................................................... 3

Degree Requirements for the Bachelor of Science in Information Technology (BSIT)
The BSIT program is a unique program offered jointly by the College of Business Administration and The College of Engineering. This program holds both Business’s AACSB (http://www.aacsb.edu/) and Engineering’s ABET accreditation (http://www.abet.org). In order to earn a BSIT degree, students must complete a minimum of 128 hours of course work, with a minimum cumulative 2.0 GPA on a 4.0 scale. All University core and degree requirements must be satisfied.

Bachelor of Science in Information Technology (BSIT)
The BSIT program features a hands-on education leading to careers in the management of the technology infrastructure of organizations of all types and sizes. The BSIT program specifically focuses on the technology side of information technology and emphasizes interfacing technologies and the management of technologies. The curriculum covers the operational support and administration of diverse computing systems and the integration of existing technologies, components and products. The program will provide students with a breadth of skills in the core information technologies including programming, computer hardware and networking, databases and Web technologies in order to prepare students for positions as information technologists providing operational and infrastructure support for computer and information systems in business, manufacturing, and institutional organizations.

Program Requirements
University Core:
English
ENGL 1110 ........................................................................................................ 3
ENGL 2950 or 2960 ....................................................................................... 3
Communication Elective
COMM 2600 or 3810 .................................................................................. 3
or
COMM 3840 .................................................................................................. 4

Mathematics (must have a minimum of 6 hours in mathematics)
MATH 1260 and 1270 or equivalent .......................................................... 6

Humanities & Fine Arts: 2 courses (see University Catalog for options) ......... 6

Multicultural
Diversity of US Elective ............................................................................. 3
Non-Western Elective ................................................................................ 3

Social Science
ECON 1150 and 1200 ................................................................................ 6
Elective ........................................................................................................ 3

Natural Science
2 lecture classes (see University Catalog for options) .................................. 6
1 lab (see University Catalog for options) .................................................... 1

Business
BUAD 1000 .................................................................................................. 1

Degree Coursework:
Professional Development Electives
Select two from the following courses
BUAD 2080, BUAD 3010*, BUAD 3040*, BUAD 3470, BUAD 3570, FINA 3060

*Recommended for MBA-bound students

Technical Electives
Select one from the following
CSET 4650 Field Programmable Logic Devices ....................................... 4
or
CSET 4850 Network Security Fundamentals ............................................. 4
Select one of the following
INFS 3620, CSET 3400, CSET 4650, CSET 4850, OPMT 4210

Required Engineering Courses (15 courses)
CSET 1100  Introduction to Computer Science & Engineering Technology........  3
CSET 1200  GUI Programming & Visual Basic..................................................  3
CSET 1500  Survey of Computer Electronics...................................................  3
CSET 2100  Small Computer Systems............................................................  4
CSET 2200  PC & Industrial Networks.............................................................  4
ENGT 2500  Technical Project Management.....................................................  3
ENGT 3010  Applied Statistics & Design of Experiments..................................  4
CSET 3100  Advanced Web Site Design..........................................................  3
CSET 3200  Client/Server Computing.............................................................  3
CSET 3250  Client-Side Scripting.................................................................  3
CSET 3300  Database-Driven Web Sites..........................................................  4
CSET 4100  CGI Programming with PERL and JAVA.......................................  3
CSET 4150  Web Server Administration..........................................................  3
CSET 4250  Applied Programming Languages...............................................  3
CSET 4750  Computer Networks & Data Communication...................................  4

Required Business Courses
BUAD 2040  Financial Accounting Information.............................................  3
BUAD 2050  Accounting for Business Decision-Making....................................  3
BUAD 3020  Principles of Manufacturing & Service Systems...........................  3
BUAD 3030  Managerial & behavioral Processes in Organizations......................  3
BUAD 3050  Information Technology Management...........................................  3
INFS 3380  Web Application I ........................................................................  3
INFS 3770  Small Business Database Systems..................................................  3
INFS 4510  Business Systems Analysis & Design with ERP...............................  3

(See website for check sheet of program
http://www.utoledo.edu/business/StuServ/Checksheets.html)

Business Minors for Non-Business Students at The University of Toledo
The College of Business Administration offers eight minors for students from other colleges at The University of Toledo as follows:
General business minor plus specialized minors in
Accounting
Business analysis
Electronic commerce/information technology
Entrepreneurship, family and small business
International business
Professional sales
Operations management/supply chain management

These minors are recommended for students who want to enhance their academic programs with business-related course work. Students taking courses in the business minor must meet course prerequisite requirements. These minors are designed specifically for non-business students and should not be confused with the individual minors offered for College of Business Administration students. Students can complete a maximum of two minors and may take no more than one course that fulfills the requirements of both minors. Students should contact advisers in their college and in the College of Business Administration for additional details about the minors.

General Minor in Business for Non-Business Students

Program Requirements
1. A minimum cumulative GPA of 2.25 is required in the following prerequisite courses or their equivalents. A student who does not meet the minimum standards but has at least a cumulative 2.0 in the prerequisites will be reviewed by the College of Business Administration assistant dean on an individual basis.

   Economics
   Select from ECON 1150 and 1200, or MIME 2600 or equivalent 3-6

   Mathematics
   Select from MATH 1260 and 1270, or 1750 and 1760, or 1850 or equivalent ................ 4-6

   Computing
   Select from BUAD 1020 or CMPT 1100……3

   Business Statistics
   Select from BUAD 2060, MATH 2630, or equivalent 3

2. Eighteen hours are required beyond the prerequisite courses above. A grade of C (2.0) or higher is required in each of the following courses, at least one of which must be at the 3000 level:

   Required Foundation Course
BUAD 2040 Financial Accounting Information
OR
ACTG 1040 Principles of Financial Accounting 3

Additional Requirements

A. Select three courses from the following one need to be 3000+ level:
   - BUAD 1010 Introduction to Business .......................................................... 3
   - BUAD 2050 Accounting for Business ........................................................... 3
   - BUAD 2070 Application of Statistics in Business Decision Making ............ 3
   - BUAD 2080 Global Environment of Business .......................................... 3
   - BUAD 3010 Principles of Marketing ......................................................... 3
     Prerequisite: ECON 1150 and 1200
   - BUAD 3020 Principles of Manufacturing and Service System .................. 3
     Prerequisite: BUAD 2060
   - BUAD 3030 Managerial and Behavioral Processes in Organizations ......... 3
     Prerequisite: junior status
   - BUAD 3040 Principles of Financial Management ..................................... 3
     Pre-/Co-requisite: BUAD 2050 and BUAD 2060
   - BUAD 3050 Information Technology Management .................................... 3
     Prerequisite: BUAD 1020 or CMPT 1100

B. Select two additional courses from the 10 listed above or select two courses at the 3000 or 4000 level from ACCT, FINA, INFS, MGMT, EFSB, IBUS, EBUS, OPMT, HURM, PSLS, BANS, BLAW or MKTG to complete the additional requirements. (Prerequisites for selected courses must be fulfilled.)

C. At least three of the five courses selected to fulfill the additional minor in business requirements must be at the 3000 or 4000 level.

Accounting Minor for Non-Business Students
Program Requirements
The accounting minor for non-business students requires 15 credit hours. A grade of C (2.0) or higher is required in all courses used to fulfill the accounting minor requirements. Prerequisites for all courses must be fulfilled.

Required Course:

ACCT 3100 Financial Accounting and Systems 3

Prerequisite: Junior standing; a higher education GPA of 2.50 or higher and a 2.50 or higher GPA in BUAD 2040 and 2050 (or equivalent courses), which must include a grade of C (2.0) or higher in BUAD 2040 and 2050 (or equivalent courses).
Electives: Select four courses from the following: 12 hours

ACCT 3000 Financial Statement Analysis 3
Prerequisite: BUAD 2050

ACCT 3110 External Financial Reporting I 3
Prerequisite: ACCT 3100 with a grade of C (2.0) or better

ACCT 3310 Accounting Information Systems and Controls 3
Prerequisite: ACCT 3100 with a grade of C (2.0) or better

ACCT 3030 Tax Accounting for Non-accounting Majors 3
Prerequisite: BUAD 2050

OR

ACCT 3210 Income Taxation of Individuals 3
Prerequisite: ACCT 3100 with a grad of C (2.0) or better

ACCT 3010 Cost Accounting for Non-accounting Majors 3
Prerequisite: BUAD 2050

OR

ACCT 4310 Internal Reporting 3
Prerequisite: ACCT 3100 with a grade of C (2.0) or better

FINA 4080 Intermediate Financial Management 3
Prerequisite: BUAD 3040

Note: Students may apply ACCT 3030 or 3210 toward the accounting minor but not both.
Students may apply ACCT 3010 or 4310 toward the accounting minor, but not both.

Business Analysis Minor for Non-Business Students

Program Requirements

The business analysis minor for non-business students requires 15 hours. Prerequisites for all courses must be fulfilled.

Required Courses: 9 hours

BANS 3060 Managerial Economics 3
Prerequisite: ECON 1150 and 1200

BANS 3070 Business Fluctuations and Economic Outlooks 3
Prerequisite: ECON 1150 and 1200

OPMT 4450 Forecasting 3
Prerequisite: BUAD 2070
Electives: Select two courses from the following: 6 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBUS 3090</td>
<td>E-Commerce and the Networked Economy</td>
<td>3</td>
</tr>
<tr>
<td>FINA 3480</td>
<td></td>
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<tr>
<td>OPMT 3750</td>
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<tr>
<td>FINA 3890</td>
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<td>OPMT 4750</td>
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<td>INFS 3250</td>
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<tr>
<td>PSLS 3080</td>
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<tr>
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<td><strong>Total</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

E-Business and Information Technology Applications Minor for Non-Business Students

Program Requirements

The e-business and information technology applications minor requires basic business computer proficiency for BBA students (e.g., BUAD 1020 or equivalent); MIME 2600 or ECON 1150 and 1200, or equivalent; and 15 credit hours from selected EBUS- and INFS-related courses.

Required: 6 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBUS 3090</td>
<td>E-Commerce and the Networked Economy</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: junior standing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INFS 3250</td>
<td>Software Applications in Business</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: junior standing and BUAD 1020 or CMPT 1100</td>
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</tr>
</tbody>
</table>

Electives: 9 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 3050</td>
<td>Information Technology Management</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: junior standing and basic business computer proficiency</td>
<td></td>
<td></td>
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<tr>
<td>EBUS 3180</td>
<td>Web Design for Business Communication</td>
<td>3</td>
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<tr>
<td>Prerequisite: junior standing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INFS 3370</td>
<td>Business Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: BUAD 3050</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INFS 3770</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: junior standing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INFS 3980</td>
<td>Special Topics in Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: junior standing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKTG 3260</td>
<td>Global Framework for E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: BUAD 2080</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKTG 3280</td>
<td>Internet Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: BUAD 3010</td>
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</tr>
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</table>

Entrepreneurship, Family, and Small Business Minor for Non-Business Students

Program Requirements

Prerequisites for all courses must be fulfilled, including demonstrating computer proficiency through BUAD 1020 OR CMPT 1100.
Required Business Courses: 15 hours

**BUAD 2040 Financial Accounting**

**OR**

**ACTG 1040 Principles of Financial Accounting**

**EFSB 3480 Entrepreneurial Finance**

**EFSB 3500 Introduction to Entrepreneurship**

**EFSB 3590 Entrep & Small Business Mgmt**

**EFSB 4010 Growing Family & Entrep Business**

Business Elective: Select one from the following: 3 hours

**BUAD 2050 Managerial Accounting**

**OR**

**ACTG 1050 Principles of Management Accounting**

**BUAD 3010 Principles of Marketing**

**BUAD 3470 Legal and Ethical Environment**

**EFSB 4980 Special Topics in EFSB**

**EFSB 4990 Independent Study in EFSB**

---

**International Business Minor for Non-Business Students**

**Program Description:**
The international business minor for non-business students requires 18 to 21 hours of business courses (including international business electives). Prerequisites for all courses must be fulfilled.

I. Required Course in Economics:
Select from ECON 1150 and ECON 1200

OR MIME 2600 or equivalent

(These are not business course hours and do not count toward the 18 to 21 hours of business courses required in the program)

II. Required Business Courses: 9 hours

**BUAD 2080 Global Environment of Business**

Prerequisite: Sophomore standing

AND

Select two courses from the following: 6 hours

**BUAD 3010 Principles of Marketing**

Prerequisites: ECON 1150 and 1200 or MIME 2600, Junior standing
BUAD 3030 Managerial and Behavioral Processes in Organizations.................................3
    Prerequisite: Junior standing
BUAD 3040 Principles of Financial Management.........................................................3
    Prerequisite: BUAD 2040 Financial Accounting Information

III. International Business Electives: 9 hours
Select at least two courses from the following:
FINA 3500 International Finance.................................................................3
    Prerequisite: BUAD 3040
IBUS 3600 International Management..........................................................3
    Prerequisite: BUAD 3030, Junior standing
MKTG 3140 International Marketing..............................................................3
    Prerequisite: BUAD 3010

If needed, select additional hours from the following:
BLAW 3670 International Business Law..........................................................3
    Prerequisite: BUAD 3030
IBUS 3150 Understanding Cultural Differences in Business..............................3
    Prerequisite: Junior standing
IBUS 4100 Study Abroad Program*..............................................................3
    Prerequisite: Permission of Chair and Faculty
IBUS 4180 North American Business Practices..............................................3
    Prerequisite: Junior standing
MKTG 3260 Global Framework for E-commerce.................................................3
    Prerequisite: Junior standing
MKTG 4220 International Sourcing, Logistics, and Transportation.....................3
    Prerequisite: BUAD 2080

* Subject to approval of departmental chair or IB faculty adviser

Professional Sales Minor for Non-Business Students
Program Requirements

Required Courses:
Economics: 3-6 hours
Select from MIME 2600 or ECON 1150 and ECON 1200.................................3-6

Required Business Courses: 12 hours
BUAD 3010 Principles of Marketing..............................................................3
PSLS 3440 Sales .........................................................................................3
PSLS 3450 Account and Territory Management .................................................................3
PSLS 4740 Advanced Sales.................................................................................................3

Business Elective: Select one from the following: 3 hours
PSLS 3080 Purchasing and Business Relationship Management .................................3
PSLS 3710 Sales Force Leadership ......................................................................................3

Operations Management/Supply Chain Management for Non-Business Students
Program Requirements
BUAD 3020 Principles of Manufacturing & Services Systems...........................................3
Prerequisite: BUAD 2060 or equivalent
EBUS 3090 E-Commerce and the Network Economy.......................................................3
Prerequisite: junior status
MKTG 3130 Introduction to Supply Chain Management..................................................3
Prerequisite: BUAD 2080
MKTG 4220 Logistics and Transportation........................................................................3
Prerequisite: BUAD 2080
OPMT 3340 Quality Management.....................................................................................3
Prerequisite: BUAD 3020
OPMT 3610 Production Planning and Control.................................................................3
Prerequisite: BUAD 3020
OPMT 3660 Materials Management and Purchasing.......................................................3
Prerequisite: BUAD 3020
OPMT 4420 Service Operations Management....................................................................3
Prerequisite: BUAD 3020

Recommended for operations management track: OPMT 3340, 3610 and 3660 and any other two courses from above list
Recommended for supply chain management track: MKTG 3130, EBUS 3090, OPMT 3660 and 4220, and one other course from above list

Department of Applied Organizational Technology

Degree Requirements for Bachelor of Applied Organizational Technology (BAOT)
Students must complete 126 hours (with a minimum of 63 hours of course work completed at The University of Toledo), with a minimum cumulative 2.0 GPA on a 4.0 scale. All business minor, Arts & Science, and elective requirements must be satisfied. Students must earn a minimum of a C (2.0) grade in each course in the business minor.

Bachelor of Applied Organizational Technology (BAOT)
The BAOT is designed for students who already have a technical associate’s degree. These
students can complete a bachelor’s degree in the equivalent of two additional years of full-time study. This degree is open to anyone meeting the admission requirements, and through advising, can be designed to meet the specific workforce needs of the individual. Along with the transfer credits, the degree completion requirements include selecting classes from a specified list of business courses. For more information, contact the College of Business Administration. The program consists of business courses, Arts & Science course, and electives outside of the College of Business Administration.

Program Requirements

General Business Minor:
Economics: 3-6 hours
ECON 1150 and ECON 1200 or equivalent.................................................. 3-6
Mathematics
MATH 1260 and 1270, or equivalent.................................................. 3-6
Business Statistics
BUAD 2060, or equivalent.................................................. 3
Microcomputer Requirement
BUAD 1020, or equivalent.................................................. 3

Eighteen (18) hours of business courses are required beyond the prerequisite courses above. A grade of C (2.0) or better is required in each of the following courses (Maximum of 2 courses may transfer towards minor)

Required Foundational Course
BUAD 2040 * Financial Accounting Information.................................................. 3

Additional Requirements
Select three (3) courses from the following (1 must be 3000 level):
BUAD 1010  Introduction to Business.................................................. 3
BUAD 2050* Accounting for Business Decision Making................................. 3
BUAD 2070 Application of Statistics in Business Decision Making.................. 3
BUAD 2080  Global Environment of Business.................................................. 3
BUAD 3010* Principles of Marketing.................................................. 3
BUAD 3020* Principles of Manufacturing and Service Systems..................... 3
BUAD 3030  Managerial and Behavioral Processes in Organizations................. 3
BUAD 3040* Principles of Financial Management........................................... 3
BUAD 3050  Information Technology Management........................................ 3
BUAD 3470  Legal & Ethical Environment of Business................................... 3

Select two (2) additional courses from the eight listed above or select two courses at the 3000-4000 level from ACCT, FINA, INFS, MGMT, EFSB, IBUS, EBUS, OPM1, HURM, PSL1, BANS, BLAW, or MKTG to complete the additional requirements. (Prerequisites for selected courses must be fulfilled.) Prerequisites for an MBA also can be fulfilled by completing any of the indicated (*) courses with a minimum grade of C (2.0).

Other Courses: (66-68 credit hours including transfer credits) 30 hours must be upper division courses (numbered 3000-4000) taken at UT, but from outside the College of
Business Administration. All prerequisites must be met.

- 15 hours of the 30 upper division hours must be from the College of Arts and Science
- 15 hours taken at UT from any college except the College of Business Administration
- Students have the opportunity to complete a minor in the College of Arts and Science with the proper selection of classes

- Maximum of 25% business courses (including transfer credits) can apply towards the BAOT degree
- Approximately 60 hours will be transferred in from the Associate Degree. This may include some General Education core and business classes as well as technical courses that do not count for General Education or business classes. These technical courses will be at the 1000-2000 level and credit will be counted under Other Courses.

(See website for check sheet of program http://www.utoledo.edu/business/StuServ/Checksheets.html)

Degree Requirements for Pre-Business Administration
Students must have a minimum cumulative GPA of 2.25 in the business lower subset courses (see degree requirements below) and a 2.4 cumulative GPA to be eligible for admission to the upper division in the College of Business Administration. Students with a 2.25 business lower subset, but less than a 2.0 cumulative GPA will be required to appeal prior to admission to the upper division if they want to continue into the BBA. (Note: Placement tests are required in English, math and reading before a student can take courses in those areas. All course prerequisites listed in the University catalog must be followed.)

Pre-Business administration
The pre-business administration degree program allows students to earn an associate degree while completing the pre-business and university core classes towards a bachelor of business administration. Students taking all of the courses and meeting all the conditions set in this program will fulfill the requirements for the associate of arts degree and will be accepted into the upper division of the College of Business Administration. Students must still submit a formal application for admission to the College of Business Administration's upper division one semester before they complete the requirements for the pre-business administration program.

Program Requirements

<table>
<thead>
<tr>
<th>Core Curriculum</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Math (recommend MATH 1270)</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Fine Arts</td>
<td>6</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Natural Sciences (including at least one lab)</td>
<td>6</td>
</tr>
<tr>
<td>Multicultural Studies (recommend BMGT 2700)</td>
<td>3-6</td>
</tr>
<tr>
<td>Business Courses</td>
<td></td>
</tr>
</tbody>
</table>
*ACTG 1040 Principles of Financial Accounting ................. 3
*ACTG 1050 Principles of Management Accounting ............... 3
*BMGT 1000 Business Technology/College Orientation .......... 1
*BMGT 1010 Business Principles ..................................... 3
*BMGT 2110 Managing in a Global Economy .................... 3
*BUAD 2060 Data Analysis for Business ......................... 3
*BUAD 2070 Application of Statistics in Business ........... 3
*CMPT 1100 Computer Information Applications ............... 3
ECON 1150 Principles of Macroeconomics ...................... 3
ECON 1200 Principles of Microeconomics ....................... 3

Prerequisites for courses above:
ENGL 1110 English Composition I ................................ 3
ADOT 1010 PC Keyboarding I ......................................... 3
MATH 1260 Modern Business Math I ................................. 3

*indicates those courses included in the business lower subset

Degree Requirements for Associate Degree Programs
Students must complete the minimum required hours for their program (refer to areas of specialization), with a minimum cumulative 2.0 GPA on a 4.0 scale.

Degrees Offered

Associate Degree Programs
Accounting technology
Associate of technical studies
Business management technology
Computer network administration
Computer software specialist technology
Information services and support
Legal secretarial
Marketing and sales technology
Programming and software development

Associate Degree Programs
Areas of Specialization
Computer Software Specialist Technology
The computer software specialist technology degree provides students with a well-rounded background in software applications including database, spreadsheet, word processing and presentation graphics. In addition, it stresses the interrelationship of computer technology and customers/clients in the workplace. Students also will be prepared to take professional certification tests such as the Microsoft Office Specialist (MOS).

Program Requirements................................................. Hours
ENGL 1100 Introductory Writing or
ENGL 1110 College Composition I ................................. 3
ENGL 1130-1150 College Composition II or
ENGL 2960 Organizational Report Writing ............................. 3
Humanities/Fine Arts Core .................................................. 3
Social Science Core .......................................................... 6
MATH Choose MATH 1010, 1180 or 1260 .................... 3
ACTG 1040 Principles of Financial Accounting ...................... 3
ACTG 1050 Principles of Management Accounting .................. 3
ADOT 1110 PC Keyboarding II ............................................. 3
BMGT 1000 Business Technology/College Orientation .......... 1
BMGT 1010 Business Principles ......................................... 3
BMGT 1500 Workplace Communication & Presentations .. 3
BMGT 2010 Workplace Management .................................... 3
BMGT 2700 Managing Diversity in the Workplace ............ 3
CMPT 1100 Computer Information Applications .................. 3
CMPT 1320 Internet and WWW .......................................... 1
CMPT 1410 Microsoft Excel ............................................... 2
CMPT 1420 Microsoft Access ........................................... 2
CMPT 1430 Microsoft Word .............................................. 2
CMPT 1440 Microsoft PowerPoint ...................................... 2
CMPT 1450 Microsoft Outlook .......................................... 1
CMPT 2410 Adobe In Design ............................................. 3
CMPT 2430 Advanced Microsoft Word ............................... 2
CMPT 2460 Advanced Microsoft Excel ................................ 2
CMPT 2630 MOUS Certification ........................................ 2
Total hours for the program 62

Legal Secretarial
The legal secretarial technology program prepares students for positions in law firms, corporate legal
departments, court agencies and government agencies. The student receives training in secretarial
skills, with emphasis on legal terminology and professional document production. Upon graduation,
the student is prepared to become a member of a law office team dealing in civil, corporate, criminal,
domestic relations and probate law. Career opportunities in this area are predicted to remain strong.

Program Requirements ................................................. Hours
ENGL 1100 Introductory Writing or
ENGL 1110 College Composition I ..................................... 3
ENGL 1130-1150 College Composition II or
ENGL 2960 Organizational Report Writing ............................ 3
Humanities/Fine Arts Core ............................................... 3
Social Science Core ....................................................... 6
MATH Choose MATH 1010, 1180 or 1260 .................... 3
ACTG 1040 Principles of Financial Accounting .................... 3
ACTG 1050 Principles of Management Accounting ................ 3
ADOT 1110 PC Keyboarding II ......................................... 3
BMGT 1000 Business Technology/College Orientation .......... 1
BMGT 1500 Workplace Communication & Presentations .. 3
BMGT 2310 Business Management .................................... 3
BMGT 2700 Managing Diversity in the Workplace ............ 3
CMPT 1100 Computer Information Applications .............. 3
CMPT 1320 Internet and the World Wide Web .............. 1
CMPT 1410 Microsoft Excel ...................................... 2
CMPT 1420 Microsoft Access ..................................... 2
CMPT 1430 Microsoft Word ....................................... 2
CMPT 1450 Microsoft Outlook ................................... 1
CMPT 1600 Internet Design and Publishing ................... 3
CMPT 2410 Adobe InDesign ....................................... 3
CMPT 2430 Advanced Microsoft Word ......................... 3
LGL 1010 Intro to Law ............................................. 3
LGL 1160 Legal Research ........................................... 3
LGL 1720 Law Practice Management ........................... 3
Total hours for the program 69

Business Management Technology
Business management technology is designed to prepare students for supervisory or management positions in any area of business. It also provides students with the management and computer technology knowledge to start and operate their own businesses.

Program Requirements ........................................ Hours
ENGL 1100 Introductory Writing or
1110 College Composition I ...................................... 3
ENGL 1130-1150 College Composition II or
ENGL 2960 Organizational Report Writing ....................... 3
Humanities/Fine Arts Core .......................................... 6
Social Science Core .................................................. 6
MATH Choose MATH 1010, 1180 or 1260 ................. 3
ACTG 1040 Principles of Financial Accounting ............... 3
ACTG 1050 Principles of Management Accounting .......... 3
BMGT 1000 Business Technology/College Orientation ....... 1
BMGT 1010 Business Principles .................................... 3
BMGT 1500 Workplace Communication & Presentations .... 3
BMGT 1540 Organizational Behavior .............................. 3
BMGT 2010 Workplace Management .............................. 3
BMGT 2020 Human Resource Development .................... 3
BMGT 2110 Managing in a Global Economy .................... 3
BMGT 2310 Legal Environment of Business .................... 3
BMGT 2700 Managing Diversity in the Workplace .......... 3
Technical Electives .................................................. 6
CMPT 1100 Computer Information Applications ............ 3
CMPT 1430 Microsoft Word ....................................... 2
MARS 1010 Marketing Principles ................................ 3
Total hours for the program 65

Accounting Technology
This major is designed to prepare students to fill accounting positions in public, private and governmental accounting departments and organizations. It offers a well-rounded look at the many aspects of accounting, including managerial, financial, taxation, and applicable computer software
programs.

### Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1100</td>
<td>Introductory Writing or 1110 College Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1130-1150</td>
<td>College Composition II or Organizational Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2960</td>
<td>Humanities/Fine Arts Core</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Core</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MATH Choose MATH 1010, 1180 or 1260</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ACTG 1040</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 1050</td>
<td>Principles of Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 1200</td>
<td>Accounting Software</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 1250</td>
<td>Spreadsheet Applications in Accounting</td>
<td>2</td>
</tr>
<tr>
<td>ACTG 2100</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 2300</td>
<td>Cost Accounting</td>
<td>3</td>
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<tr>
<td>ACTG 2400</td>
<td>Fundamentals of Taxation</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1000</td>
<td>Business Technology/College Orientation</td>
<td>1</td>
</tr>
<tr>
<td>BMGT 1010</td>
<td>Business Principles</td>
<td>3</td>
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<tr>
<td>BMGT 1500</td>
<td>Workplace Communication &amp; Presentations</td>
<td>3</td>
</tr>
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<td>BMGT 2010</td>
<td>Workplace Management</td>
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<td>BMGT 2110</td>
<td>Managing in a Global Economy</td>
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<td>BMGT 2310</td>
<td>Legal Environment of Business</td>
<td>3</td>
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<tr>
<td>BMGT 2700</td>
<td>Managing Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 1100</td>
<td>Computer Information Applications</td>
<td>3</td>
</tr>
<tr>
<td>Technical Electives</td>
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</tr>
<tr>
<td><strong>Total hours for the program</strong></td>
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<td>66</td>
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</table>

### Programming and Software Development

Programming and software development technology is designed to prepare students for careers in the computer industry as programmers, software developers, data managers and information system designers. Students work with a variety of computer applications in a hands-on lab environment.

### Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1100</td>
<td>Introductory Writing or 1110 College Composition</td>
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</tr>
<tr>
<td>ENGL 1130-1150</td>
<td>College Composition II or Organizational Report Writing</td>
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</tr>
<tr>
<td>ENGL 2960</td>
<td>Humanities/Fine Arts Core</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Core</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MATH Choose MATH 1010, 1180 or 1260</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ACTG 1040</td>
<td>Principles of Financial Accounting</td>
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</tr>
<tr>
<td>ACTG 1050</td>
<td>Principles of Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1000</td>
<td>Business Technology/College Orientation</td>
<td>1</td>
</tr>
<tr>
<td>BMGT 1010</td>
<td>Business Principles</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1500</td>
<td>Workplace Communication &amp; Presentations</td>
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</tbody>
</table>
**Computer Network Administration**

The computer network administration degree prepares students for careers as computer networking professionals. The program covers all aspects of network administration including designing, servicing and supporting networks; PC configuration; operating systems; and systems integration. The degree also prepares students for the successful completion of professional network certifications.

Program Requirements ....................................................Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1100 Introductory Writing or 1110 College Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1130-1150 College Composition II or 2960 Organizational Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Fine Arts Core</td>
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<tr>
<td>Social Science Core</td>
<td>6</td>
</tr>
<tr>
<td>MATH Choose MATH 1010, 1180 or 1260</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 1040 Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 1050 Principles of Management Accounting</td>
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<tr>
<td>BMGT 1500 Workplace Communication &amp; Presentations</td>
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<tr>
<td>BMGT 2700 Managing Diversity in the Workplace</td>
<td>3</td>
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<tr>
<td>CMPT 1020 Computer Concepts</td>
<td>4</td>
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<tr>
<td>CMPT 1110 PC Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 2030 C Family Programming</td>
<td>4</td>
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<tr>
<td>CNET 2100 Network Operating Systems I</td>
<td>4</td>
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<tr>
<td>CNET 2150 Computer Hardware</td>
<td>3</td>
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<td>CNET 2200 Network Technologies</td>
<td>4</td>
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<tr>
<td>CNET 2300 Network Operating Systems II</td>
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<tr>
<td>CNET 2400 Network Operating Systems Support</td>
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<tr>
<td>CNET 2410 Network Services</td>
<td>4</td>
</tr>
<tr>
<td>CNET 2420 Enterprise Network Services</td>
<td>4</td>
</tr>
</tbody>
</table>

Total hours for the program 68

**Information Services and Support**

The information services and support degree prepares students for careers in the computer industry as software and hardware support professionals, operating systems experts, information technology support staff and computer technicians. Students gain a well-rounded, hands-on background in technology typical of that used by most employers.
Program Requirements………………………………..        Hours
ENGL 1100 Introductory Writing or
1110 College Composition I .................................  3
ENGL 1130-1150 College Composition II or
ENGL 2960 Organizational Report Writing ..................  3
Humanities/Fine Arts Core .....................................  3
Social Science Core ..............................................  6
MATH Choose MATH 1010, 1180 or 1260 ..................  3
ACTG 1040 Principles of Financial Accounting ..........  3
ACTG 1050 Principles of Management Accounting .........  3
BMGT 1000 Business Technology/College Orientation ......  1
BMGT 1010 Business Principles ..................................  3
BMGT 1500 Workplace Communication & Presentations ...  3
BMGT 2700 Managing Diversity in the Workplace ..........  3
CMPT 1020 Computer Concepts ............................  4
CMPT 1100 Computer Information Applications .............  3
CMPT 1120 Application Programming .......................  4
CMPT 1320 Internet & WWW .....................................  1
CMPT 1410 Microsoft Excel ...................................  2
CMPT 1420 Microsoft Access ..................................  2
CMPT 1440 Microsoft PowerPoint ............................  2
CNET 2150 Computer Hardware ............................  3
CNET 2200 Network Technologies ............................  4
Technical Electives .............................................  4
Total hours for the program 63

Marketing and Sales Technology
The marketing and sales technology degree gives students a broad spectrum of perspectives with courses in the areas of marketing communication/ advertising, services marketing, marketing management, personal selling and sales force management. This program prepares students for careers in sales, wholesale/retail promotion and product/service marketing.

Program Requirements………………………………..        Hours
ENGL 1100 Introductory Writing or
1110 College Composition I .................................  3
ENGL 1130-1150 College Composition II or
ENGL 2960 Organizational Report Writing ..................  3
PSY 1010 Principles of Psychology ..........................  3
Humanities/Fine Arts Core .....................................  3
Social Science Core ..............................................  3
MATH Choose MATH 1010, 1180 or 1260 ..................  3
ACTG 1040 Principles of Financial Accounting ..........  3
ACTG 1050 Principles of Management Accounting .........  3
BMGT 1000 Business Technology/College Orientation ......  1
BMGT 1010 Business Principles ..................................  3
BMGT 1500 Workplace Communication & Presentations ...  3
BMGT 2010 Workplace Management ..........................  3
BMGT 2110 Managing in a Global Economy ...................... 3
BMGT 2310 Legal Environment of Business ....................... 3
BMGT 2700 Managing Diversity in the Workplace ............ 3
CMPT 1100 Computer Information Applications .............. 3
MARS 1010 Marketing Principles ..................................... 3
MARS 1110 Personal Selling .................................................. 3
MARS 1720 Sales Force Management ............................... 3
MARS 2010 Marketing Communication ............................ 3
MARS 2110 Marketing Management ..................................... 3
MARS 2120 Industrial Marketing Management ................... 3
MARS 2210 Services Marketing ........................................... 3
Total hours for the program 67

Interdisciplinary Studies for Technical Programs

Associate of Technical Studies Degree
This degree is appropriate for students who would like to combine two or more technical areas to attain an associate degree. Degree candidates at The University of Toledo must be in good standing. An associate of technical studies degree will be granted to the student completing the following requirements.

Program Requirements
1. Satisfactory completion of no fewer than 68 semester hours.
2. Completion of no fewer than 20 of the above 68 semester hours while in attendance at the College of Business Administration, or 30 hours for transfer students from other institutions. A student must attain a C (2.0) average for all work at the college.
3. Completion of a minimum of 30 hours of technical studies, attained in an educational plan approved by the adviser, sponsoring faculty member and the college committee.
4. The 30 hours of technical studies must consist of an interdisciplinary, but coherent, combination of courses selected from two or three technical programs. At least 16 hours must be selected from one technical field, and students must attain a C (2.0) average for all technical work utilized in satisfaction of this requirement.
Note: Students must have an approved educational plan in order to be eligible for any associate of technical studies program. The process to gain approval begins with an appointment with a college adviser.

Certificates Offered

Accounting for health care and non-profit
Accounting software applications
Accounting technology
Applied organizational technology
Business management technology
Computer network administration
Computer software specialist
Digital imaging advanced
Digital imaging fundamentals
Diversity management
Information services and support
Management accounting
Marketing and sales technology
Legal secretarial
Preparation for Certified Bookkeeper exam
Programming and software development
Web design

Visit the website at http://www.utoledo.edu/business/aot/ for more information on the certificate programs.

College of Business Administration Faculty

Department of Accounting
Philip R. Fink, 1975, professor
B.B.A., M.B.A., The University of Toledo; J.D., Ohio Northern University; CPA (Ohio)

Diana R. Franz, 1992, professor and chair
M. Prof. Accountancy, Wichita State University; Ph.D., Texas Tech University; CPA (Ohio)

Amy French, 2005, lecturer
B.S., Southern New Hampshire College; M.B.A., University of Toledo

Hassan Hasab Elnaby, 2003, assistant professor
B. Comm., M.A., Ph.D., Cairo University

Brian L. Laverty, 1990, professor
B.A., Ph.D., Michigan State University; CPA (Michigan)

Bhanu Ragu-Nathan, 1985, professor
B.S., University of Madras; M.B.A., Indiana University; Ph.D., University of Pittsburgh; ACA (India)

Amal Said, 2003, assistant professor
B. Comm., M.A., Cairo University; M.S., Old Dominion University; Ph.D., Virginia Commonwealth University

Donald Saftner, 1987, professor
B.S., M.S., Ph.D., The Pennsylvania State University

Nancy L. Snow, 1998, lecturer
B.B.A, M.S.A., The University of Toledo; CPA (Ohio)

Glenn A. Wolfe, 1989, associate professor
B.A., Grove City College; M.B.A., Ph.D., Virginia Polytechnic Institute and State University
EMERITUS AND SUPERANNUATE FACULTY
Richard F. Bernstein, M.B.A., professor emeritus, superannuate
Charles H. Gibson, D.B.A., professor emeritus
Robert E. Hansen, D.B.A., professor emeritus
Robert Irish, Ph.D., professor emeritus
Larry Konrath, Ph.D., professor emeritus
Howard L. Ness, J.D., M.B.A., professor emeritus
Glenda E. Ried, M.B.A., CPA, professor emeritus
Nicholas W. Schroeder, M.Acct., professor emeritus

Department of Finance
Richard J. Boden Jr., 1993, associate professor
B.A., State University of New York; M.B.A., Brown University; Ph.D., University of Maryland

Linda Bowyer, 1989, associate professor
B.A., Ph.D., Iowa State University

Maureen Conroy, 1987, professor
B.B.A., The University of Toledo; M.B.A., Bowling Green State University

Mine Ertugrul, assistant professor
B.A., Marmara University Istanbul; M.B.A., University of Connecticut; Ph.D., University of Connecticut

Gary Moore, 1989, associate professor
B.S., Iowa State University; M.B.A., Ph.D., Arizona State University; J.D., University of Iowa

Ravi Ravichandran, 2008, professor and chair
B.Tech., Banaras Hindu University; M.B.A., Virginia Tech; Ph.D., University of Iowa

Michael D. Sherman, 1980, associate professor
B.A., American University; M.S., Ph.D., Purdue University

Ozcan Sezer, 2002, assistant professor
B.A., Ankara University; M.A., Boston College; Ph.D., University of Connecticut

Andrew Solocha, 1989, associate professor and chair
B.A., Long Island University; M.A., Central Michigan University; Ph.D., Michigan State University

Herbert J. Weinraub, 1970, professor
B.S., Northeastern University; M.B.A., Ph.D., Michigan State University
EMERITUS AND SUPERANNUATE FACULTY
Michael J. Ahern, Ed.D., professor emeritus

Lawrence V. Conway, Ph.D., professor emeritus

David A. Lindsley, Ph.D., professor emeritus

Department of Information Operations and Technology Management
Mesbah U. Ahmed, 1980, professor
B.S., M.S., Bangladesh University; Ph.D., Texas Tech University

Xiao Fang, 2003, assistant professor
B.S., M.S., Fudan University, Shanghai, China; Ph. D., University of Arizona

Basam Hasan, 2001, associate professor
B.S., Yarmouk University; M.B.A., Southwest Missouri State University; Ph.D., University of Mississippi

Paul Hong, 1987, professor
B.A., Yonsei University; M.A., M.B.A., Bowling Green State University; Ph.D., The University of Toledo

Jerzy Kamburowski, 1989, professor
M.S., Ph.D., Technical University of Wroclaw, Poland

Anand S. Kunnathur, 1986, professor and senior associate dean
M.S., University of Delhi; M.A., York University; Ph.D., University of Tennessee

Kee Lim, 2002, lecturer
B.B.A, M.B.A., Ewha Woman’s University, Seoul, Korea; Ph.D., The University of Toledo

Udayan Nandkeolyar, 1988, associate professor
B.Tech., Indian Institute of Technology; M.B.M., Asian Institute of Management; Ph.D., The Pennsylvania State University

James A. Pope, 1998, professor
B.A., College of Wooster; M.A., Northwestern University; Ph.D., University of North Carolina

Ram Rachamadugu, 1991, professor
B.S.E., University of Madras; M.B.A., Indian Institute of Management; M.S., Ph.D., Carnegie Mellon University

T.S. Ragu-Nathan, 1985, professor and chair
B.E., University of Madras; M.B.A., Indiana University; Ph.D., University of Pittsburgh

P.S. Sundararaghavan, 1980, professor
B.Tech., University of Madras; Dipl., Calcutta School of Management; Ph.D., University of
Tennessee

Monideepa Tarafdar, 2003, associate professor
B.Sc., B. Tech., University of Calcutta; Ph.D., Indian Institute of Management, Calcutta, India

Mark A. Vonderembse, 1973, professor
B.S.C.E., The University of Toledo; B.A., University of Pennsylvania; Ph.D., University of Michigan

EMERITUS AND SUPERANNUATE FACULTY
William Clegg, Ed.D., associate professor

Douglas Lind, Ph.D., professor emeritus

C. Joseph Sass, M.B.A., professor emeritus

Department of Marketing and International Business
Ainsworth A. Bailey, 2002, associate professor
B.S., University of the West Indies, Mona; M.B.A., Baruch College-City University of New York; M.Ed., The University of Toledo; Ph.D., University of Iowa

Don R. Beeman, 1976, professor
B.S., University of Akron; M.B.A., D.B.A., Indiana University

Richard E. Buehrer, 1984, professor
A.B., B.A., M.B.A., Ph.D., The University of Toledo

Bashar S. Gammoh, 2006, assistant professor
B.Econ., Yarmouk University; M.B.A., University of Jordan; Ph.D. Oklahoma State University

Anthony C. Koh, 1987, associate professor
B.S., University of Malaya; M.A., Ph.D., University of Alabama

Thuong T. Le, 1980, professor
B.Comm., Van Hanh University; M.B.A., University of Detroit; Ph.D., Michigan State University

Jeen S. Lim, 1983, professor
B.A., M.B.A., Seoul National University; Ph.D., Indiana University

Sylvia Long-Tolbert, 2005, assistant professor
B.B.A., Howard University; M.B.A., George Washington University; M.A., Ph.D., The Ohio State University

Michael L. Mallin, 2005, assistant professor
B.S., The Ohio State University; M.B.A., The University of Dayton; Ph.D., Kent State University

Sam C. Okoroafo, 1986, professor
B.S., University of Nigeria; M.B.A., Ph.D., Michigan State University
Iryna Pentina, 2008, assistant professor
B.A., M.A., Kharkov State University; M.B.A., University of Louisiana; Ph.D., Kharkov State Pedagogical University; Ph.D., University of North Texas

Ellen Pullins, 1996, professor
B.S.C., Ohio University; M.A., M.B.A., Wright State University, Ph.D., The Ohio State University

Thomas W. Sharkey, 1984, associate professor
B.A., M.B.A., The University of Akron; M.S., Florida State University; Ph.D., Indiana University

EMERITUS AND SUPERANNUATE FACULTY
Edward Bardi, Ph.D., professor emeritus
G. Allen Brunner, Ph.D., professor emeritus
James A. Brunner, Ph.D., professor emeritus
J. Marc DeKorte, Ph.D., professor emeritus
Sakari T. Jutila, Ph.D., professor emeritus
Ken I. Kim, D.B.A., professor emeritus
Thomas A. Klein, Ph.D., professor emeritus
George M. Taoka, Ph.D., professor emeritus
James K. Weekly, D.B.A., professor emeritus
Ronald L. Zallocco, D.B.A., professor emeritus

Department of Management
Sonny S. Ariss, 1985, professor and interim chair
B.B.A., M.B.A., The University of Toledo; Ph.D., The Ohio State University

Stephen K. Callaway, assistant professor
B.A., Ball State University; M.B.A., Indiana University; Ph.D., Temple University

Brandon Cohen, lecturer
B.S.B.A., Bucknell University; M.B.A., J.D., The University of Toledo

William J. Doll, 1980, professor

Dale J. Dwyer, 1989, professor
B.A., M.A., University of Cincinnati; Ph.D., University of Nebraska-Lincoln
Laurence Fink, 1994, associate professor
B.A., State University of New York - Albany; Ph.D., Purdue University

Jaclyn Flom, 2004, lecturer
B.B.A., M.B.A., The University of Toledo

Laura Frisbie, 2002, lecturer
B.A., Lourdes College; E.M.B.A., The University of Toledo

Margaret Hopkins, 2005, assistant professor
B.S., Boston College; M.S., Ph.D., Case Western Reserve University

Clinton O. Longenecker, 1978, professor
B.B.A., M.B.A., The University of Toledo; Ph.D., The Pennsylvania State University

Nick G.F. Nykodym, 1976, professor
B.S., M.A., Ph.D., University of Nebraska

Amy O'Donnell, 2005, lecturer
B.S., Bowling Green State University; M.S., Miami University

Frederick R. Post, 1986, associate professor
B.A., Ohio Wesleyan University; M.B.A., Western Michigan University; J.D., The University of Toledo

Robert H. Schwartz, 1988, associate professor
B.A., Brooklyn College; D.D.S., State University of New York; M.B.A., Virginia Commonwealth University; Ph.D., University of Michigan

Susan Shultz, 2006, lecturer
B.B.A., M.B.A., The University of Toledo

Norman Spohler, 2003, lecturer
B.S., Bowling Green State University; M.B.A., J.D., The University of Toledo

Donald K. Wedding, 1968, associate professor
B.Ch.E., M.E., University of Louisville; M.B.A., The University of Toledo; J.D., American University

Jennell Senter Wittmer, 2008, assistant professor
B.S., College of Charleston; M.A., Ph.D., Wayne State University

Robert Yonker, 2003, assistant professor
B.A., Bowling Green State University; M.A., Ph.D., University of Missouri

EMERITUS FACULTY
M. Sami Kassem, Ph.D., professor emeritus
Dale B. Sullivan, D.B.A., professor emeritus
Jack Simonetti, D.B.A., professor emeritus

Steve Spirn, Ph.D., professor emeritus

George M. Taoka, Ph.D., professor emeritus

Department of Applied Organizational Technology

Bonadine Berry, 2003, lecturer
A.A., Monroe Community College; B.A., Siena Heights University

Joy Ann Dougherty, 1987, associate professor
B.A., Valparaiso University; M.Ed., The University of Toledo

Karen Everingham, 2005, assistant professor
A.A.B., B.S., M.E., Ph.D., The University of Toledo

Kathleen Fitzpatrick, 2001, associate professor
B.S., Syracuse University; M.B.A., The University of Toledo

Doug Greiner, 2001, associate professor
B.A., Michigan State University; M.A. Eastern Michigan University

Selina Griswold, 1989, associate professor
B.A., The University of Toledo; M.S.M., Purdue University

Mary E. Humphrys, 1988, associate professor and chair
B.A., M.B.A., The University of Toledo

Bernard J. Kern, 1983, assistant professor
B.B.A., The University of Toledo; M.S.I.S., Eastern Michigan University; CDP, CNE

Diane K. Marker, 1980, associate professor
B.S., B.A., The Ohio State University; M.B.A., The University of Toledo; CPA (Ohio)

Carol McCormick, 2002, lecturer
B.Ed., The University of Toledo

John C. Morris, 1983, associate professor
B.B.A., M.B.A., The University of Toledo

Jeffrey Osthimer, 2006, assistant professor
A.A.B., B.S., M.E., The University of Toledo

Betty B. Posta, 1983, professor
B.S.Ed., Bowling Green State University; M.Ed., The University of Toledo

Wilma Quisno, 2003, lecturer
B.Ed., The University of Toledo

EMERITUS AND SUPERANNUATE FACULTY
James Arbaugh
Carl A. Collins
James F. Dettinger
Maurice Edginton
Betty H. Hartley
Robert F. Kehrl
Calvin Lawshe
Cecilia L. McGinnis
Sally O’Connell
Gloria D. Poplawski
Nancy Robon
Martin T. Ruddy
Robert Siddens
Phillip A. Sinclair