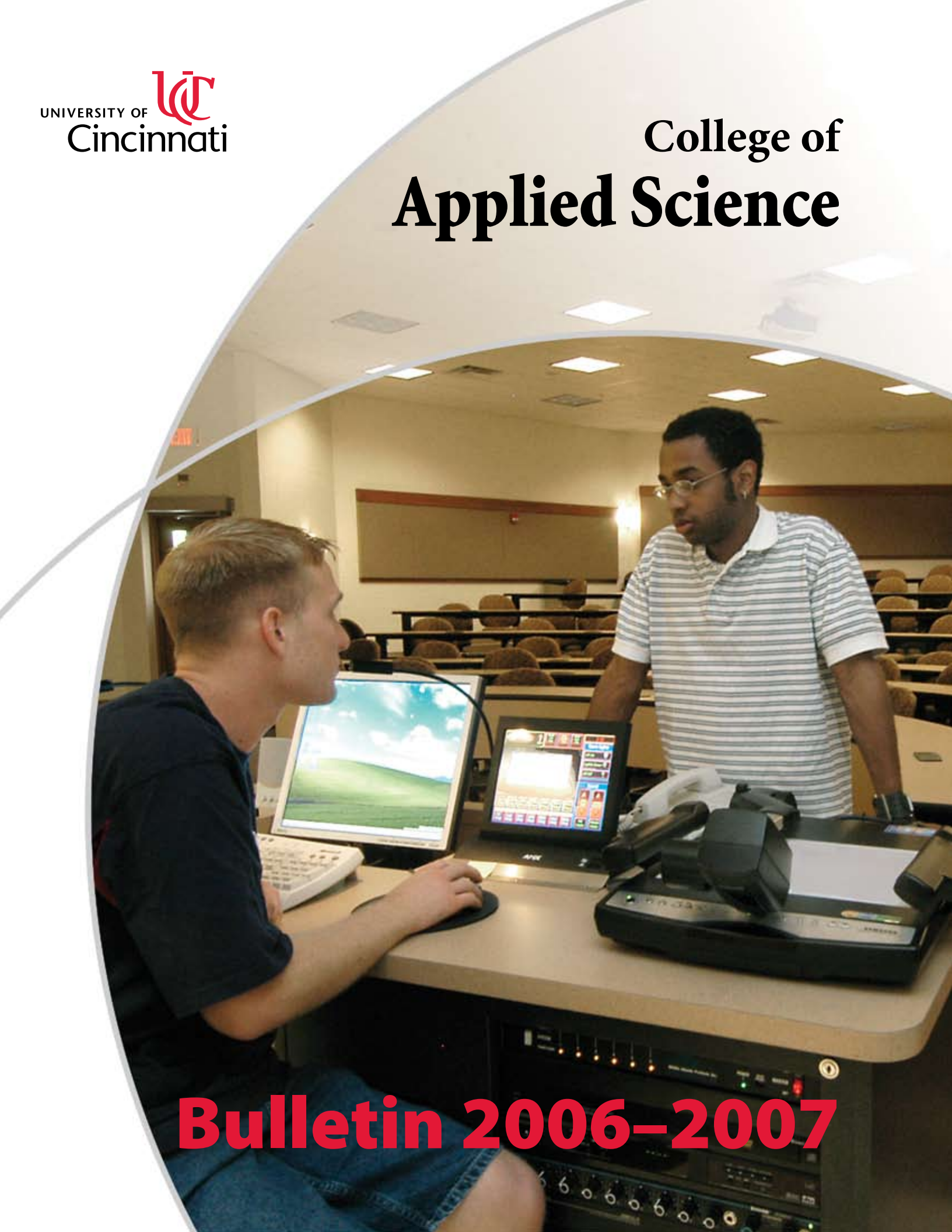
UNIVERSITY OF Cincinnati

College of Applied Science



Bulletin 2006–2007

Academic Calendar*
(Tentative)

*These dates are subject to change pending approval of the Board of Trustees.
Consult the *OneStop* Web site for the registration time period for each quarter.
Note: Saturday and Sunday examination dates are used for courses which meet on Saturday and Sunday.

2006-07

Fall Quarter 2006

Classes begin	Wednesday, September 20
Holiday, Veterans Day	Friday, November 10
Holiday, Thanksgiving	Thursday-Sunday, November 23-26
Classes end	Sunday, December 3
Examinations	Monday-Sunday, December 4-10
Fall Quarter ends	Sunday, December 10

Winter Quarter 2007

Classes begin	Wednesday, January 3
Holiday, Dr. Martin L. King's Birthday	Monday, January 15
Classes end	Sunday, March 11
Examinations	Monday-Sunday, March 12-18
Winter Quarter ends	Sunday, March 18

Spring Quarter 2007

Classes begin	Monday, March 26
Holiday, Memorial Day	Monday, May 28
Classes end	Friday, June 1
Examinations	Saturday-Thursday, June 2-7
Spring Quarter ends	Friday, June 8
Commencement	Friday, June 8

Summer Quarter 2007

Classes begin	Monday, June 18
Holiday, Independence Day	Wednesday, July 4
Classes end	Friday, August 24
Examinations	Saturday-Thursday, August 25-30
Summer Quarter ends	Thursday, August 30

2007-08

Fall Quarter 2007

Classes begin	Wednesday, September 19
Holiday, Veteran's Day	Monday, November 12
Thanksgiving Holiday	Thursday-Sunday, November 22-25
Classes end	Sunday, December 2
Examinations	Monday-Sunday, December 3-9
Fall Quarter ends	Sunday, December 9

Winter Quarter 2008

Classes begin	Monday, January 7
Holiday, Dr. Martin L. King's Birthday	Monday, January 21
Classes end	Sunday, March 16
Examinations	Monday-Sunday, March 17-23
Winter Quarter ends	Sunday, March 23

Spring Quarter 2008

Classes begin	Monday, March 31
Holiday, Memorial Day	Monday, May 26
Classes end	Friday, June 6
Examinations	Saturday-Thursday, June 7-12
Spring Quarter Ends	Friday, June 13
Commencement	Friday, June 13

Summer Quarter 2008

Classes begin	Monday, June 23
Holiday, Independence Day	Friday, July 4
Classes end	Tuesday, August 26
Examinations	Wednesday-Saturday, August 27-30
Summer Quarter ends	Saturday, August 30

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College of Applied Science

About the College

The OMI College of Applied Science (formerly the Ohio Mechanics Institute — our founding name — and the Ohio College of Applied Science) offers programs in the engineering technologies and related areas with the aim of preparing individuals for careers as engineering technologists, engineering technicians, managers, service industry technologists and technicians.

The college was founded in 1828 as a private educational institution and operated exclusively as an evening college until 1901 when day courses on a pre-college level were added. In 1919 the day courses were revised to collegiate programs. In 1934 a cooperative education plan was initiated in which students could spend time working in industry, and this program continues today. The college merged with the University of Cincinnati in 1969 and has since begun offering Bachelor of Science degrees.

In June, 1989, the OMI College of Applied Science moved to Victory Parkway overlooking the Ohio River just two miles from both the University of Cincinnati Clifton Campus and the CAS Clifton Campus. The site is next door to Cincinnati's Eden Park, which houses the Cincinnati Art Museum, Playhouse in the Park, and Krohn Conservatory.

The campus provides excellent laboratory spaces for the application of theory through hands-on laboratory instruction that is a hallmark of the college's programs. These laboratories include significantly expanded chemical engineering and instrumental analysis labs in Chemical Technology, specially designed high-bay labs for Construction Science and Mechanical Engineering Technology, a central computing lab, information technology and telecommunications lab, multimedia lab, a writing and technical communications laboratory, and several senior design/project labs.

The purpose of the college is to provide education in the engineering and service industry technologies. This is accomplished through programs of study ranging from formal, four- or five-year Bachelor of Science degrees and two-year Associate degrees to professional certificates, workshops, and seminars. Programs are offered during the day and the evening, for full- and part-time students, both on and off campus. Special, customized education and training are offered to business and industry employees in keeping with the college's tradition of close working relationships and partnerships with industry.

Formal degree programs prepare engineering technologists and technicians.

Engineering Technologists are graduates of four- or five-year technical programs and hold Bachelor of Science degrees. The technology program includes courses in applied mathematics (through differential and integral calculus), applied sciences, and technical courses that emphasize application of technical knowledge and methods to current industrial problems. The engineering technologist's education is theoretically based but emphasizes the "hands on" aspects of the technology. Graduates are known as designers, field engineers, and production managers.

Engineering Technicians are graduates of two-year technical colleges and hold associate's degrees. Their academic program includes mathematics (through the elements of calculus), applied science, and applied technical courses in a specific engineering area with emphasis on technical support. Technicians are problem-solvers whose interests are directed more toward the practical applications of engineering. The technician can be found in the research laboratory, on a construction job site, or working as a supervisor on a production line.

The OMI College of Applied Science has much to offer students interested in both intellectual and personal development. The job placement rate and starting salaries for the college's associate and baccalaureate graduates are among the highest in the university.

We invite you to take a few moments to read through this *Bulletin* to learn more about your future at the University of Cincinnati's OMI College of Applied Science or visit our website at *www.uc.edu/cas.*

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Holly Hawkins, *Horticulture*
William Kramer, PhD, *Director, Open Learning Fire Service*
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James F. Sullivan, MS, *Head, Mathematics & Physics*
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EVENING COORDINATORS

Muthar Al-Ubaidi, PhD, *Head, Mechanical/Manufacturing Engineering Technology*
Linda Ginter-Brown, PhD, *Interim Head, Humanities, Media and Cultural Studies*
Holly Hawkins, BLS, *Horticulture*
Robert L. Hutzler, BS, *Wood Technology*
William Kramer, PhD, *Open Learning Fire Service*
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James F. Sullivan, MS, *Head, Mathematics, Physics, and Computing Technology*

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Maggie Green, *The Green Apron*
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Shirley Snarr
Todd Treon, *Argosy Casino*

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Clyde Kober, *Cincinnati Bell*
Neil Le Saint, *Xetron*
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Thomas Lakamp, *Cincinnati Fire Department*
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Robert Rielage, *Wyoming Fire Department*
Ray Webber, *Procter & Gamble*
Thomas Wolf, *Montgomery Fire Department*

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John B. Moll, *Cincinnati Machine*
Mark Meili, *Procter & Gamble*
Joe Schnelle, *Cincinnati Lamb*
Tim Toft, *Messer Construction*

Faculty

Department Head's name appears in bold type.

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Full-time faculty:

Robert W. Brinkmeyer, MBA, *Assistant Professor*
Joseph A. Burnett, MBA, *Assistant Professor*
Constance M. Cooper, MBA, *Associate Professor*
Ruth M. Edwards, JD, *Associate Professor*
Sarai A. Hedges, MS, *Assistant Professor*
Sanford R. Kahn, PhD, *Professor*
Raymond H. Matlock, JD, *Associate Professor*
Charles L. Winterhalter, MBA, *Associate Professor*

Part-time faculty:

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Yvonne Brown, MBA, *Associate Professor Emeritus*
Herman G. Pfaltzgraff, MBA, *Associate Professor Emeritus*
James A. Zarnowiecki, PhD, *Adjunct Associate Professor*
Phillip A. Schwegmann, *Adjunct Instructor*

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Full-time faculty:

Mark Fritz, PhD, *Assistant Professor*
Rita K. Hessley, *PhD, Professor*
Frederick J. Kryman, MS, *Associate Professor*
Larie Meal, PhD, *Professor*
Rajiv S. Soman, PhD, *Associate Professor*

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Anne Vonderheide, PhD, *Adjunct Instructor*
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Grace Yek, MS, *Adjunct Instructor*

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Thomas M. Burns, MS, *Adjunct Assistant Professor*
Mark Costello, MArch, *Adjunct Assistant Professor*
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Harold Glorius, BS, *Adjunct Assistant Professor*
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James Sheanshang, BS, *Adjunct Assistant Professor*
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Gregory L. Sizemore, JD, *Adjunct Assistant Professor*
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Scott Van de Grift, BS, *Adjunct Instructor*

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Jose Castrejon, BS, *Adjunct Instructor*
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George C. Webb, MS, *Adjunct Instructor*

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Full-time faculty

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Susan N. Bernstein, PhD, *Assistant Professor*
Laurie Bien, MA, *Field Service Instructor*
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Marilyn Bossmann, MEd, *Field Service Instructor*
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Cathleen H. Cleverly, PhD, *Assistant Professor*
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Georgia M. Court, MAJ, *Field Service Instructor*
Muriel Cunningham, MEd, *Field Service Instructor*
Allen Davidoff, MA, *Associate Professor*
Frank A. Davis, PhD, *Assistant Professor*
Lawrence E. Elliott, MA, *Associate Professor*
Amy Sue England, PhD, *Assistant Professor*
Grace A. Epstein, PhD, *Assistant Professor*
Robert Froelich, PhD, *Field Service Instructor*
Mary Valerie Gerstle, PhD, *Field Service Instructor*
Linda Ginter-Brown, PhD, *Professor*
Dianna Greivenkamp, MA, *Field Service Instructor*
Ruth Y. Gross, MA, *Field Service Instructor*
Marla I. Hall, PhD, *Associate Professor*
Michelle Holley, MA, *Field Service Instructor*
Patricia Houston, MA, *Field Service Instructor*
Phyllis Jeffers-Coly, MA, *Field Service Instructor*
Billi J. Johnson, MA, *Associate Professor*
Heather Johnston, MA, *Field Service Instructor*
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Aaron Kerley, MA, *Field Service Instructor*

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David Shepherd, PhD, *Field Service Assistant Professor*
Carolyn J. Stoll, MA, *Field Service Instructor*
Laverne Summerlin, MEd, *Professor*
JoAnn Thompson, EdD, *Field Service Instructor*
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Linda M. White, MEd, *Professor*
Laura Wilson, MA, *Field Service Instructor*
Susan T. Winters, MA, *Assistant Professor*

Part-time faculty

James D'Angelo, MA, *Adjunct Instructor*
Stewart Goldman, BFA, *Adjunct Instructor*
Mark Kissling, MA, *Adjunct Instructor*
Carmen Krupar, MS, *Adjunct Instructor*
Julia Linkova, MEd, *Adjunct Instructor*
Ana Madani, MA, *Adjunct Instructor*
Alexa Naramore, MA, *Adjunct Instructor*
Michael Templeton, PhD, *Adjunct Instructor*
Meghan Yancy, MA, *Adjunct Instructor*

INFORMATION TECHNOLOGY

Full-time faculty:

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Daniel Humpert, MSME, *Associate Professor*
Patrick Kumpf, EdD, *Associate Professor*
Soleda Leung, MS, *Associate Professor*
Russell E. McMahon, MEd, *Associate Professor*
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Annu B. Prabhakar, MS, *Associate Professor*
Hazem Said, PhD, *Associate Professor*
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Vali Tadayon, MS, MA, MBA, *Associate Professor*
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Part-time faculty:

Randall Agee, BA, *Adjunct Instructor*
Nasser Alaraje, MS, *Adjunct Instructor*
David Beasley, *Adjunct Instructor*
Robert P. Brown, BS, *Adjunct Instructor*
Ralph F. Brueggemann, MBA, *Adjunct Professor*
Barry R. Canter, BA, *Adjunct Instructor*
Suguna Chundur, MS, *Adjunct Instructor*
Tom Craver, *Adjunct Instructor*
Brian M. Dietrick, BS, *Adjunct Instructor*
David Doster, BS, *Adjunct Instructor*
O. Tai Elemide, *Adjunct Instructor*
Terry Eshom, MS, *Adjunct Instructor*
Matt Fenwick, *Adjunct Instructor*
W. David Freeze, BS, *Adjunct Instructor*
Virginia A. Fritz, BSA, *Adjunct Instructor*
Frank Glandorf, MS, *Adjunct Instructor*
Kureli Govindarajan, BE, *Adjunct Instructor*
John Grace, BS, *Adjunct Instructor*
Scott Gregory, MS, *Adjunct Assistant Professor*
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David J. Hook, *Adjunct Instructor*
Robert Isbell, MBA, *Adjunct Instructor*
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Saleem Jeelani, MS, *Adjunct Instructor*
Christopher Johnson, BS, *Adjunct Instructor*
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Joseph G. Kasak, MS, *Adjunct Instructor*
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Robin Miller-Carew, BS, *Adjunct Instructor*
Charles Mincer, BS, *Adjunct Assistant Professor*
Kurt F. Monroe, BS, *Adjunct Instructor*
Craig Murnan, BS, *Adjunct Instructor*
Elana O'Conner, MS, *Adjunct Instructor*
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Randy Shank, MBA, *Adjunct Instructor*
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Ronald Singleton, BS, *Adjunct Instructor*
Jason Stroh, BS, *Adjunct Instructor*
Peter A. Strunk, MBA, *Adjunct Assistant Professor*
John S. Weber, BS, *Adjunct Instructor*
Chris Wideamann, BS, *Adjunct Instructor*

MATHEMATICS & PHYSICS

Full-time faculty:

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Jeanne Bowman, MS, *Associate Professor*
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Susan Fasce, MS, *Instructor*
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Amy Wheeler, MS, *Instructor*
Bella Z. Zamansky, MS, *Instructor*

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Najib AbuDakhan, MS, *Adjunct Instructor*
Elena Bass, MBA, *Adjunct Instructor*
Kenneth A. Taylor, MS, *Adjunct Associate Professor*
Michelle Thompson, MEd, *Adjunct Instructor*

MECHANICAL ENGINEERING TECHNOLOGY

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Muthar Al-Ubaidi, PhD, *Professor*
Laura M. Caldwell, MS, *Associate Professor*
Janak Dave, PhD, *Professor*
Janet Dong, PhD, *Assistant Professor*
Amir Salehpour, MS, *Associate Professor*

Part-time faculty:

A. Allen Arthur, MS, *Associate Professor*
Bruce P. Bardes, ScD, *Adjunct Instructor*
Randall L. Barrett, BS, *Adjunct Instructor*
Douglas A. Bowling, MS, *Adjunct Instructor*
Ronald D. Butler, *Adjunct Instructor*
Kettil Cedercreutz, MS, *Associate Professor*
Kenneth W. Creech, *Adjunct Instructor*
Mark Fassler, *Adjunct Instructor*
Glenn H. Grismere, MEd, *Adjunct Instructor*
Bill Hansel, *Adjunct Instructor*
David Henderson, *Adjunct Instructor*
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Thomas Huston, *Adjunct Associate Professor*
Kenneth J. Lenhart, *Adjunct Instructor*
Raymond A. Miller, BS, *Adjunct Assistant Professor*
Joseph Nurre, PhD, *Adjunct Instructor*
Daryl Peacock, *Adjunct Instructor*
Michael J. Posey, EdD, *Adjunct Assistant Professor*
R. Doug Rife, ASMET, *Adjunct Instructor*
Eduardo Rosa, *Adjunct Instructor*
Ronald Singleton, *Adjunct Instructor*
David M. Snively, BS, *Adjunct Instructor*
James L. Thomas, *Adjunct Instructor*
John L. Ucker, MBA, *Adjunct Instructor*

OPEN LEARNING FIRE SERVICE

Full-time faculty:

William Kramer, PhD, *Associate Professor*

Part-time faculty:

Stephen Ashbrock, BA, *Adjunct Instructor*
Bernard Becker, MBA, *Adjunct Instructor*
Lawrence Bennett, JD, Esq, *Adjunct Instructor*
Armando S. Bevelacqua, BS, *Adjunct Instructor*
James W. Dwertman, MPA, *Adjunct Instructor*
Richard T. Farr, BS, *Adjunct Instructor*
John R. Fenner, BS, *Adjunct Instructor*
Michael S. Gabennesch, BS, *Adjunct Instructor*
Bernard J. Klaene, BS, *Adjunct Instructor*
Thomas C. Lakamp, BS, *Adjunct Instructor*
Robert B. Treiber, MEd, *Adjunct Instructor*

PROFESSIONAL PRACTICE AND CAREER PLACEMENT

Kettil Cedercreutz, MSc, Director
Terrance Becraft, *Adjunct Assistant Professor*
Zach Osborne, *Adjunct Assistant Professor*
Kathleen Ruppert, *Adjunct Assistant Professor*
William Walters, *Adjunct Assistant Professor*
Kimberly Zimmerer, BS, *Information Technology Analyst*

WOOD TECHNOLOGY

Part-time faculty:

John F. Albachten, *Adjunct Instructor*
Richard A. Belcher, *Adjunct Instructor*
Dana S. Ellefson, *Adjunct Instructor*
Jeffrey Hildebrand, *Adjunct Instructor*
Glen D. Huey, *Adjunct Instructor*
Robert A.L. Hutzler, *Adjunct Instructor*
Michael Pankion, *Adjunct Instructor*
Robert L. Seipelt, BS, *Adjunct Instructor*
Dennis Tenhundfeld, *Adjunct Instructor*

EMERITI

Richard J. Abel, MEd, *Field Service Professor Emeritus of Professional Practice*
Forest D. Atkins, MCP, *Associate Professor Emeritus of Construction Science*

Thomas G. Boronkay, PhD, *Professor Emeritus of Mechanical Engineering Technology*
Marion A. Brown, PhD, *Professor Emerita of English*
Terry L. Bullock, EdD, *Professor Emeritus of Reading and Critical Thinking*
Ronald N. Ciminero, MS, *Associate Professor Emeritus of Electrical Engineering Technology*
Robert W. Dorsey, MCP, RArch, *Professor Emeritus of Construction Science*
Marvin P. Garrett, MA, *Professor Emeritus of English*
Harriett Hogan, MEd, *Associate Professor Emerita of English*
Daniel Hostetler, *Associate Professor Emeritus of Mathematics*
Gerald L. Kasselmann, *Assistant Professor Emeritus of Electrical Engineering Technology*
Maria Curro Kreppel, PhD, *Professor Emerita of English and Communication*
James F. Marquardt, MS, *Associate Professor Emeritus of Math/Physics*
James Maratta, *Assistant Professor Emeritus of Mathematics*
Theodore H. Meyer, Jr., MS, PE, *Professor Emeritus of Electrical Engineering Technology*
Norman H. Murdoch, PhD, *Professor Emeritus of History*
Jon A. Nicodemus, *Associate Professor Emeritus of English*
Joanne K. Rains, EdM, *Associate Professor Emerita of Psychology*
Victoria Pundsack Reynolds, MA, *Assistant Professor Emerita of English*
Solveiga Rush, MA, Professor Emerita of Art History
Pauline Smolin, *Associate Professor Emeritus of English*
John C. Spille, EdM, *Professor Emeritus of Chemical Technology*
Edward E. Turner, MEd, *Assistant Professor Emeritus of Mathematics*

Objectives

The OMI College of Applied Science aims to carry out the primary objectives of the University within the limits of its program offerings. Specifically, it proposes to educate students in such a manner that the collegiate experience will provide a foundation for the development of professional competence and future advancement in the student's chosen field.

Specialized Accreditation

The following engineering technology degree programs at the OMI College of Applied Science are accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology, Inc. (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202.

Architectural Engineering Technology (bd)
Architectural Technology (ad)
Civil and Construction Engineering Technology (ad)
Electrical Engineering Technology (ade)
Electrical Engineering Technology (bde)
Manufacturing Engineering Technology (ade)
Mechanical Engineering Technology (ade)
Mechanical Engineering Technology (bde)

(a) associate; (b) bachelor, (d) day, (e) evening

The Chemical Technology program is approved by the American Chemical Society's Chemical Technology Program Approval Service (CTPAS). The baccalaureate program in Construction Management is accredited by the American Council for Construction Education (ACCE). Professional Practice and Career Placement is accredited by the Accreditation Council for Cooperative Education (ACCE). In addition, the college is accredited as a part of the University of Cincinnati by the North Central Association of Colleges and Schools.

Admission to the College

General information and admission requirements for all the undergraduate divisions of the University are published in the University's viewbook. Prospective students should write or call the University Office of Admissions, University of Cincinnati, PO Box 210091, Cincinnati, Ohio 45221-0091, (513) 556-1100, for application materials and admissions counseling. On-campus conferences usually are not required but often prove helpful to the prospective student.

Applications should be filed as early in the year as possible. Suggested filing dates are:

Autumn quarter:	Previous October-June 1. (Some programs may close by December 15 for the following autumn.)
Winter quarter:	October 1-November 15
Spring quarter:	October 1-February 1
Summer quarter:	October 1-May 1

Autumn quarter applicants who desire residence hall space or who are planning to apply for financial aid should file their applications by January 1 for assured consideration.

Students must have completed either the ACT or SAT e1ntrance exam prior to admission to the college.

ADMISSION REQUIREMENTS

Baccalaureate Programs (Bachelor of Science)

Students wishing to enter the OMI College of Applied Science may apply directly into the baccalaureate program if they meet all college and university entrance criteria. They must be graduates of an accredited high school or preparatory school and have the following units:

English	4 units
College preparatory mathematics	3 units
Physics	1 unit
Chemistry	1 unit
Social science	2 units
Foreign language	2 units
Fine arts	1 unit
Additional course from one of the above	2 units

A transfer student may apply for admission into a baccalaureate program after successfully completing an associate's degree in Engineering Technology or an equivalent program of education with a minimum of a 2.50 quality point average. Early application is encouraged.

Associate Degree Programs (Associate of Applied Science)

An applicant for admission into an associate's degree program must be a graduate of an accredited high school or preparatory school and have the following units:

English	4 units
College preparatory mathematics	3 units
Additional college preparatory mathematics, physics, or chemistry	1 unit

Transfer students must have a 2.0 quality point average.

Students interested in applying for admission to an associate's degree program but lacking proper high school preparation may be admitted to the Technology Access Program at the discretion of the college. In such cases, students are usually advised to enroll in the pre-college level courses to satisfy the entrance requirements.

TRANSFER STUDENTS

Students wishing to transfer to the OMI College of Applied Science from *another regionally accredited college or university should be guided by the following statement of policy:*

1. A student must be in good standing according to the standards of this college and of the college from which the student intends to transfer. Preference will be given to students with a 2.50 or better cumulative quality point average.
2. Only courses with a grade of *C* or better are transferable. However, the age of the credits may affect their transferability.
3. As of Autumn 2005, all transfer course work with a letter grade of "D-" or higher from an Ohio public institution of higher education will be transferred. However, the applicability of those courses toward degree requirements will be determined by the college.
4. Only courses from regionally accredited institutions (i.e., North Central Association) are transferable.
5. Applicable credit will be given only for those courses for which there is a comparable equivalent in the program which the student proposes to enter; students *may be required to demonstrate proficiency in certain areas.*
6. *Transfer credits will be granted to matriculated students only.*

Advanced standing credit in English may be given to those students who score above the 80th percentile in verbal ability on the SAT or ACT examinations. Those qualified should contact the Humanities Department Head.

College credit may be granted for successful completion of CLEP examinations. Contact the appropriate departmental representative for approval

ADMISSION PROCEDURE

Prospective students should complete an admission application form available from the Office of Admissions or online at *www.admissions.uc.edu/online.asp*. Students seeking admission in the autumn quarter are urged to apply as soon as possible in their senior year in high school. It is the obligation of the applicant to supply all data necessary for admission (application form, nonrefundable application fee of $35, transcript(s) from high school or college, and medical report).

Matriculation Fee

A student who is admitted to a degree program full time is assessed a $50.00 matriculation fee. A student who is admitted to a degree program part time is not assessed the matriculation fee.

For information on student financial aid, scholarships, loans, etc., see the General University Information section.

Academic Policies

REGISTRATION

For general information on registration, see the General Information section of this *Bulletin.*

Students who are working or who have family responsibilities may wish to take fewer credits than the normal requirement and to extend their college work beyond the normal time period.

REQUIREMENTS FOR GRADUATION

To qualify for a degree, students must fulfill the requirements of their chosen programs and obtain a minimum of a 2.00 college and university cumulative quality-point average as calculated by the University Registrar's Office. It is each student's responsibility to take the courses necessary to graduate. Students wishing to take course work from other colleges while still enrolled at OMI/CAS must have prior written approval from the appropriate department head. A transfer student must fulfill a minimum of 45 quarter credit hours of departmentally approved course work at the OMI College of Applied Science to be eligible for a degree from the college.

For a student whose enrollment is continuous, graduation requirements are those published for the year the student was admitted. When enrollment is not continuous (not enrolled for three quarters or more), requirements are those published at the time of the latest admission.

Additional Requirements

All students who intend to earn a degree from the OMI College of Applied Science should refer to the *General Education Implementation Information & Guidelines* booklet to determine general education requirements for the college. (A copy of the booklet is available in A208.) (See the General University Information section of this *Bulletin.)*

REQUIREMENTS FOR GOOD STANDING

It is to the advantage of every student to remain in good academic standing at all times. To remain in good academic standing, a student must earn at least a 2.00 quality point average for each quarter of academic work.

A student not in good academic standing at the end of any quarter, or who has not met the appropriate criteria for satisfactory progress listed below, is subject to whatever action the college deems appropriate (probation, continued on probation, advised to withdraw, suspension, dismissal).

Academic Probation and Suspension Policy

PROBATION

Full-Time Students other than Freshmen

At the end of each quarter, any student who has not earned a 2.0 or higher current quarter quality point average as recorded on the official grade report will be placed on automatic academic probation and will be notified by a letter from the Dean's Office. A list of names of all students placed on academic probation will be sent to the University Registrar, the appropriate Department Heads, and the CAS Student Services Office.

A student who fails to earn a 2.0 or higher quarter quality point average in the next academic quarter will be placed on continued probation and will be notified by a letter from the Dean's Office. A list of names of all students placed on academic probation will be sent to the University Registrar, the appropriate Department Head, and the CAS Student Services Office.

Freshmen (Full-Time)

Fall and/or Winter quarter, any freshman who has not earned a 2.0 or above current quarter quality point average as recorded on the official grade report will receive a letter of Academic Warning from the Dean's Office.

Spring quarter, any freshman who has a quarterly quality point average below 2.0 and a college quality point average below 2.0 will be placed on automatic academic probation and will be notified by a letter from the Dean's Office. A list of names of all students placed on academic probation will be sent to the University Registrar, the appropriate Department Heads, and the CAS Student Services Office.

Part-Time Students

In general, the criteria for probation are the same as those for full-time students. The exception is that credits completed, instead of quarters completed, determine eligibility for probation.

A student will be placed on automatic probation if the quality point average for any consecutive 15 credit hours is below 2.0. A student who fails to achieve a 2.0 or higher quarter quality point average for the next 15 credit hours will be placed on continued probation.

All Students

A student may also be placed on probation for not meeting the college criteria for satisfactory progress as outlined below.

A student on probation is not in "good academic standing" and is ineligible to serve as an officer or representative of any student organization or activity of the University.

A student placed on probation may appeal academic probation in writing to the Associate Dean's Office.

SUSPENSION

Full-Time Students other than Freshmen

Any student who fails to earn a 2.0 current quarter quality point average as recorded on the official grade report following two consecutive academic quarters on probation and has a college GPA below 2.0 may be suspended.

Freshmen (Full-Time)

Any student who has been placed on probation (following 1-2 quarters of academic warning) in the spring, fails to earn a 2.0 current quarter quality point average as recorded on the official grade report in the next academic quarter, and has a college GPA below 2.0 may be suspended.

Part-Time Students

Any student, who has been placed on continued probation, fails to earn a 2.0 or higher quarter quality point average for the next 15 consecutive credit hours, and has a college GPA below 2.0 may be suspended.

All Students

A student may also be placed on suspension for not meeting the college criteria for satisfactory progress as outlined below.

A student who has been suspended from CAS for academic reasons may not be readmitted to the college until two quarters have elapsed from the date of suspension, and only then after approval by the head of the department in which the student wishes to be admitted.

A student who fails to earn a 2.0 current quarter quality point average in the first quarter following readmission may be suspended again.

A student may appeal suspension in writing to the Associate Dean's Office.

Satisfactory Progress Policy

A student fails to make adequate progress toward a degree when:

- The student does not maintain a 2.00 cumulative grade point average in departmental courses.*
- The student withdraws from or receives incomplete grades in course work so that fewer than 75 percent of the credit hours for which she/he was registered are earned in any two consecutive academic quarters.
- The student fails to complete course work and co-op as listed in the program schedule or as determined by his/her academic adviser.

A student may appeal the academic action in writing to the college. Copies of the official Probation, Suspension, and Dismissal Policy and departmental standards are available upon request.

A student on probation may not hold office in any student organization at the college or represent the college or university in any official capacity.

GRADE CHANGES AND GRADE POINT AVERAGES

The grade of incomplete (*I*) should be removed as soon as possible. The official transcript carries the *I* with no quality points for one quarter and is not calculated in the student's cumulative average. For the following quarters, the grade of *I* carries zero quality points and is calculated in the student's cumulative average. To remove the *I* grade, the student should consult the instructor about the work to be completed.

A student may repeat a course to improve his grade point average. A required course in which an *F* is received should be repeated as soon as possible. Please refer to the Course Retake Policy in the General University Information section.

HONORS

University Honors

Latin Honors for graduates will be awarded on the basis of all University of Cincinnati academic work. The student's university cumulative quality point average, as determined by the official transcript, is the sole basis for determining eligibility for these awards.

The awards and required averages may be found in the General University Information section, "Graduation With Honors."

College Honors

Students who are candidates for a degree and have met the college's residency requirement may be recognized by award of the following college honors based on their college grade point average (GPA) as determined by the university registrar.

College Honors	3.4000 – 3.6999
High College Honors	3.7000 – 4.0000

ATTENDANCE

Regular attendance and class involvement constitute two of the most significant factors which promote success in college work. Students should attend every session of each course for which they are registered. If absent, students shall be held accountable for the work missed.

The responsibility for determining and administering attendance requirements for each course rests with the individual faculty member consistent with the official college registration and add/drop procedure. In each case it is the responsibility of the individual faculty member to inform the students of attendance requirements.

Other Programs

CERTIFICATE PROGRAMS

The college offers several programs leading to a Certificate of Completion. Some of these programs are entry level requiring no specific admission requirements, while others are intended for engineering technology and science practitioners interested in upgrading their knowledge. Applicants are encouraged to contact the Student Services office for more specific information.

CRAFTSMANSHIP PROGRAMS

The college offers several craftsmanship level programs leading to a Certificate of Completion. There are no specific admission requirements and applicants are encouraged to contact the department office for further information.

Students interested in pursuing certificate/craftsmanship programs should complete an "Application for Certificate Program" available at the college.

SPECIAL PROGRAMS

Special programs of instruction for groups or for industry may be arranged by contacting the college office. These programs may consist of a single course or complete programs and may last from a few weeks to several years.

UNIVERSITY HONORS SCHOLARS PROGRAM

The University Honors Scholars Program (UHSP) at College of Applied Science is one of the most active programs within the university. College of Applied Science students enrolled in the UHSP have opportunities to earn special scholarships, attend quarterly lunches with the faculty and participate in a special global exchange with European unversities for students in engineering and technologies.

Additional information on the University Honors Scholars Program can be found on page 44.

International Students

International students must complete a formal application as well as the four-page University Data Sheet and return these to the International Student Services Office with the required application fee.

Official transcripts of all secondary school, college, and university studies should accompany the application for admission.

It is essential that the prospective student be proficient in the English language for a successful academic career. Applicants whose native language is not English are required to pass the TOEFL (Test of English as a Foreign Language) examination and the (TSE) Oral Proficiency Test before they can be accepted for admission. Information can be obtained by writing directly to TOEFL, Educational Testing Service, Box 899, Princeton, New Jersey 08540, USA.

More information about the University of Cincinnati's international student admission requirements can be found online at *www.admissions.uc.edu/international.asp*.

International students may also request information by writing to:

Office of International Liaison
International Student and Scholar Services
University of Cincinnati
P.O. Box 210627
Cincinnati, Ohio 45221-0627
U.S.A.

Scholarships

In addition to the university scholarships for which students at the OMI College of Applied Science are eligible, there are some scholarships which are available only to students at the college. Students can obtain more information from the Office of the Associate Deans (Room A208).

Office of Career Placement

Career Placement provides career exploration and opportunities for students and alumni of the OMI College of Applied Science. Through this office, students upload resumes, access jobs, and request that their resumes be sent to employers. Students and alumni also benefit from the following services and resources:

CAREER DEVELOPMENT ACTIVITIES

Office of Career Placement sponsors a Career Fair at the College of Applied Science. This event welcomes local and national companies that are seeking soon-to-be graduates, alumni, and co-op students. The office also coordinates and presents special interest offerings for career involvement. These can include workshops on self assessment, tools of the job search and interviewing techniques and employer panels.

CAREER COUNSELING

Career Counseling provides professional guidance for students and alumni in the career development process. In addition, the office offers career planning literature and company information.

RESEARCH

The annual Graduate Report is developed and provided to students, prospective students, faculty, administration, and the employing community about after graduation career paths and salary ranges. The Graduate Report and other reports are available online and in print.

PLACEMENT

On-campus interviews for associate and bachelor degree candidates, ongoing job development and posting of full-time and part-time opportunities for students and alumni, as well as computer access to national organizations with available positions is available to all students. Over the past ten years, 96% of those graduates seeking full-time employment have been successful within the first few weeks following graduation.

Division of Professional Practice

Most often called cooperative education, Professional Practice is a learning experience which enables students to integrate classroom learning with on-the-job experience. Career interests and abilities can be tested in actual working situations, often with college alumni. The program is designed to provide valuable work experience that adds to professional value upon graduation. While salaries are not the main factor in choosing the suitability of a working assignment, most students find that they can contribute substantially to their education through the cooperative education program. Some curriculum-relevant work experience in the form of cooperative education is mandatory for all full-time, day degree programs except Fire Science.

HOW THE PROGRAM FUNCTIONS

Cooperative education work periods occur after the freshman year and before the senior year. Some cooperative work experience (or the advanced-standing equivalent) is required of all day students except those in the Fire Science and Technology Access programs. Both the number of co-op terms required, and the quarter the experience begins, are different for all majors offering cooperative education.

Students participating in cooperative education do so on a year-round schedule. Work quarters alternate with classroom quarters continuously until the completion of the designated program requirement. Most work periods are approximately thirteen (13) weeks in length while school periods are ten (10) weeks long, leaving five or six weeks scattered throughout the year for student vacation periods. Since the cooperative education work sequence can begin as soon as the second quarter of CAS attendance (for qualifying transfer students) and after five consecutive school quarters (for some entering freshmen) it is suggested that funding for attendance at the college be available for at least five quarters. Bachelor-level programs take five years to complete when the cooperative education component is included.

Cooperative education positions are developed by the Professional Practice office. Students must be available to work in either Section I (summer and winter quarters) or Section II (fall and spring quarters). With written permission of the department, students may develop their own positions. In addition, students must be available to work in any geographic location. Choice of location is dependent on job availability. Specific locations, either in the Greater Cincinnati area or others, cannot be guaranteed.

Complete regulations for cooperative education participation can be found in the "Undergraduate Student Handbook." This information may be accessed through our website (www.uc.edu/propractice) and is discussed during the Intro to Co-op class. Individual program schedules in this *Bulletin* also reflect cooperative education participation.

Cooperative education is considered to be a degree requirement of each curriculum. After each work session, students are required to file a "Student Report" evaluating work accomplishments and suitability of the assignment to career goals; employers are required to complete an "Employer Report." An interview with a professional practice advisor is mandatory and an updated resume and degree plan are reviewed. Additionally, students complete a learning module while they are on co-op to reinforce the learning process. Based on the outcome of the preceding, a grade of *P (*passing) or *U* (unsatisfactory) is awarded. Graduation eligibility requires the satisfactory completion of the cooperative education portion of the curriculum as well as the classroom portion.

INTRO TO CO-OP

A prerequisite course for co-op participation that carries one credit hour and serves as a career orientation vehicle. In this course, the basics of career planning are taught in addition to the methodology and skills of career entrance, change, and advancement. Students in Architectural Engineering Technology and Construction Management are scheduled to enroll in this course during the fall quarter of the freshman year. Chemical Technology, Computer Engineering Technology, Electrical Engineering Technology, Manufacturing Engineer-

ing Technology and Mechanical Engineering Technology students are scheduled to complete Intro to Co-op during the winter quarter of the freshman year. Information Technology students are scheduled to complete Intro to Co-op during the spring quarter of the freshman year.

STUDENT ELIGIBILITY

To be eligible to participate in the College of Applied Science cooperative education program students must:

1. Have completed the equivalent of the freshman year of course work in the major.
2. Maintain at least a 2.0 grade point average and be a student in "good academic standing" (not on probation) while seeking employment.
3. Satisfactorily complete the Intro to Co-op course.
4. Be a registered, full-time, matriculated day student in the college in the quarter prior to the work experience.
5. Be willing to accept assignment to either of the two sections available. **Note: Students are not permitted to choose sections and are advised to have their education funded through the fall of the sophomore year.**
6. **Be willing to accept assignment in any geographic location.**
7. Follow all of the policies and procedures outlined in the "Undergraduate Student Handbook."

PROGRAM REQUIREMENTS FOR CERTIFICATION

Associate Degrees

Achievement Certificate Awarded Only

- Two quarters of co-op are required.
- A Passing grade (*P) received on both work quarters.*
- *Receive a passing grade in Professional Development I.*

Bachelor Degrees

Achievement Certificate

- The maximum number of cooperative education quarters permitted within the degree-granting department's curriculum must be completed.
- A Passing grade (*P) received on all work quarters.*
- *Receive a passing grade in Professional Development I.*

Performance Certificate

- All available work quarters from time of enrollment to the senior year are required. (Advanced transfers may, in no case, complete fewer than four work quarters even if education must be extended.)
- A Passing grade (*P) received on all work quarters.*
- *Receive a passing grade in Professional Development I.*

REGISTRATION

In order to be officially considered a full-time student and to receive proper credit for a co-op quarter, registration is required. Students must register their work term online in the PAL system. *When students double-section (work two consecutive quarters) on a co-op assignment, they must register for each co-op quarter.* Any late registration may result in the assessment of a late fee.

MILITARY TRAINING

A two-week period of time is scheduled for military training. It falls after the summer school session is completed and prior to the autumn work section. Students in the Reserves or Guard are requested to develop a co-op position beginning in the autumn quarter (Section II). If letters to Commanding Officers are necessary in order for you to change your summer military training date, they will be provided by Professional Practice upon request.

TRANSFER STUDENTS

Students will be considered transfers if they have course work counted for credit toward a degree from the College of Applied Science that was completed outside the college. Course work completed in the college while a registered student of another college will not be considered "transferred credit" for cooperative education purposes.

Transferring students, other than those in Fire Science programs, should, in the first quarter in the college, register for the course Professional Development I. The course is a mandatory prerequisite for cooperative education participation. The most immediate route to graduation includes the completion of cooperative education requirements prior to the senior year. For transferring students, this often means that a work quarter could begin the second quarter of enrollment in the college. Actual schedules should be developed with an academic adviser utilizing a Degree Plan which is required in Professional Development I. The number of transfer credits often determines the extent of cooperative education participation necessary.

Transfer students may receive advanced standing for cooperative education from other institutions. Approval must be obtained from the Professional Practice Department. Evaluations should be transferred from the previous institution(s).

ADVANCED STANDING

It is possible to receive Advanced Standing for the Professional Practice requirement. This Advanced Standing is normally offered to associate's degree students who demonstrate that they have completed at least six months continuous work experi-

ence in a field directly related to their curriculum area. Bachelor's degree level students (needing more than two quarters of co-op) must have at least one year of such experience. Related military experience is acceptable. Cooperative education experience from another university will also be considered. Partial credit for cooperative education, in either the associate or baccalaureate level, will not be considered. In order to receive Advanced Standing, a Student Petition must be completed and submitted to the student's professional practice faculty advisor in the Professional Practice Office. Once Advanced Standing has been approved, the student will be expected to complete the curriculum without the cooperative education component.

HONORS CO-OP COURSE

An honors co-op course will be available by request for students enrolled in the Honors Scholars Program at the College of Applied Science.

INTERNATIONAL STUDENT CO-OP

Co-op is scheduled in the curriculum for all students receiving an associate's degree at the College of Applied Science and for most students in baccalaureate programs. If students are non-immigrants on student visas, they should visit the "Designated School Official" in International Student Services (513-556-4278, 3134 One Edwards on the Clifton campus) soon after their acceptance to the college. There, non-citizens may have yellow cards signed giving them permission to work in the U.S. in curriculum-related employment. Employers are required to see these yellow cards before co-op employment can be arranged. Non-citizens should be aware that cooperative education beyond four work terms will result in non-eligibility for post-graduation employment.

HEALTH INSURANCE

All full-time students, including co-op students, are automatically assessed a fee for single student coverage under the UC Student Health Insurance Plan. Students other than international students with coverage equal to or greater than that offered by the university may waive coverage if the Student Health Insurance Office receives an accurately completed insurance waiver form prior to the third Friday of fall quarter. Accurately completed waiver cards that are received on time will eliminate UC Student Health Insurance charges for the remainder of the academic year. New insurance waiver forms must be submitted each academic year in order to have the student health insurance fee waived. For questions regarding health insurance, contact the Insurance Office at 513-556-6868.

Any student taking six or more credit hours may purchase the Student Health Insurance Plan. Part-time students must submit an Insurance Action Form requesting coverage each quarter they desire coverage; only full-time students are charged automatically for coverage.

EMPLOYER PARTICIPATION

Employers find the co-op program beneficial to efficient operation because:

1. They are given the opportunity to select and test attitudes and abilities of technical personnel in advance of a permanent commitment.
2. They are offered a supply of reserve qualified, short-term, technical help.
3. Program regulations require students to work at least two quarters with the same employer guaranteeing a greater level of productivity. Most students are retained for more than the minimum.
4. Academic monitoring of students, along with direct employer supervision enhances performance.
5. The expense of recruiting qualified technical personnel can be reduced both in the search and retention phases.
6. Employers have an opportunity to influence the supply and education of an experienced workforce.

The majority of students will begin their first work assignments in either the summer, autumn, or winter quarters of the sophomore year. Interviewing for those students begins as early as the winter quarter of the freshman year. Employers interested in visiting the college may schedule interviews with the Professional Practice office. Other employers may request interviews take place on their premises. The selection process includes one or more interviews and possible testing and physical examinations. Some out-of-town employers interview by phone. The employer/student interest and match-up is paramount; Professional Practice and Career Placement makes no attempt at pre-selection, but provides contact between parties of similar interest.

Graduate Placement

The Professional Practice and Career Placement Office offers students the opportunity to interview for full-time positions by encouraging companies to come to the college to interview. The office will fax resumes to companies, on the student's request, and keep students informed on the progress of interviewing possibilities. When interview schedules are available, students are encouraged to sign up for interviews through the office or online. These interviews are scheduled on a first-come basis and the students must meet the criteria set by each company in which they are interested. Students must also meet the criteria set by the Professional Practice and Career Placement Office.

Graduate placement criteria are as follows:

1. Students must have completed and received a Passing grade (*P) for at least the minimum number of co-op quarters required for their degree.*
2. *Students must be eligible to graduate within nine months of registration for full-time opportunities.*
3. *Students must have updated their resume on Disc Resume or through the World Wide Web.*
4. *If using Disc Resume, students must bring their updated disk to the Professional Practice and Career Placement Office to have it downloaded into our database.*

All full-time job listings are posted on the job board outside the Professional Practice and Career Placement Office and on the World Wide Web. These listings are available to all graduating students as well as alumni. If a company is not interviewing at the college, the Professional Practice and Career Placement Office will note on the job listing how to submit resumes to the company. The office also provides company literature for students to review prior to interviewing, maintains computerized company lists and provides for mail-merge opportunities.

Over the past 10 years, 97 percent of our graduates seeking full-time positions have been successful in securing positions within the first few weeks following graduation.

Programs of Study

DAY PROGRAMS

Bachelor Degree Programs	***Major Codes***
Architectural Engineering Technology (Cooperative Curriculum)	32AET
Chemical Technology (Cooperative Curriculum)	32CTN
Computer Engineering Technology (Cooperative Curriculum)	32CET
Construction Management (Cooperative Curriculum)	32CM
Culinary Arts and Science (Cooperative Curriculum)	32CAS
Electrical Engineering Technology (Cooperative Curriculum)	32EET
Facilities and Hospitality Management	32FHM
Information Technology	32IT
Mechanical Engineering Technology (Cooperative Curriculum)	32MET

Associate Degree Programs	***Major Codes***
Architectural Technology (Cooperative Curriculum)	32ARTN
Business Management Technology	32BMTN
Chemical Technology (Cooperative Curriculum)	32CHTN
Civil and Construction Engineering Technology (Cooperative Curriculum)	32CVTN
Electrical Engineering Technology (Cooperative Curriculum)	32EETN
Information Technology	32IT
Manufacturing Engineering Technology (Cooperative Curriculum)	32MFTN
Mechanical Engineering Technology (Cooperative Curriculum)	32METN
Pre-Business Administration	32PBA

EVENING PROGRAMS

Bachelor Degree Programs	***Major Codes***
Electrical Engineering Technology	32ETN
Fire and Safety Engineering Technology (Open Learning)	32FST
Horticulture	32HORT
Information Technology	32IT
Mechanical Engineering Technology	32MET

Associate Degree Programs	
Electrical Engineering Technology	32ELET
Fire Science Technology	32FSTN
Information Technology	32IT
Manufacturing Engineering Technology	32MFTN
Mechanical Engineering Technology	32METN

SPECIAL PROGRAMS

Technology Access Program
Pre-Engineering Program

CERTIFICATE PROGRAMS

Business Management Professional
Database Management
Free Enterprise and Entrepreneurship
High Pressure Boiler's License
Horticulture
Manufacturing Processes
Networking
Open Learning Fire Service
Plastics Technology
Stationary Steam Engineer's License
Software Development
Technical and Professional Communication
Webmaster

CRAFTSMANSHIP PROGRAMS

Craftsmanship Programs, leading to a Certificate of Completion, have been designed for those students wishing to learn new skills or develop their present skill to a higher degree of proficiency.

Boiler Operator's License
Computer Aided Design Drafting
Industrial Electricity
Industrial Heating, Ventilating and Air Conditioning
Machine Tool Operations (Conventional & CNC)
Plant Maintenance (also Advanced Plant Maintenance)
Stationary Engineer's License
Tool and Die Design
Welding
Wood Technology

SPECIAL AND TECHNICAL SERVICE PROGRAMS

Special programs exist in several forms. They can be a prescribed sequence of courses mutually agreed upon by the college and an employer for company employees or trainees. They may be specialized courses designed for an interested group of individuals who would like specific training or an extension of present courses, but are not interested in a standard two- or four-year program.

Business and Commerce

The Business and Commerce Department offers an Associate Degree in Business Management Technology and a Baccalaureate Degree in Facilities and Hospitality Management.

The Business Management Program is a career-oriented associate degree program designed to prepare students for supervisory and administrative positions at the entry and mid management levels in various areas of business and industry. The program offers preparation for initial positions in accounting, financial services and marketing with an emphasis on written and interpersonal communication skills necessary for advancement. A co-operative employment experience is available. The courses in the Business Management degree transition into the Facilities and Hospitality Management baccalaureate program.

The Facilities and Hospitality Management program prepares individuals to make significant contributions in the facilities management or hospitality management industries. Students can select from three areas of concentration: Facilities Management, Hospitality, or Casino Management. The multidisciplinary curriculum of study includes a strong emphasis on the technical, business and management skills required for these three career paths.

The curriculum includes four quarters of cooperative education and a senior capstone experience. Students completing the degree will be prepared to take the Certified Facility Manager examination of the International Facilities Management Association, recognized as the profession's high-performance benchmark.

Upon successful completion of the course of study, graduates can find employment as managers of facilities such as hotels, casinos, sport complexes, college campuses, industrial complexes, shopping malls and many more.

BUSINESS MANAGEMENT TECHNOLOGY

Associate of Applied Business
(Day only)

Certificates in business and free enterprise are available. See details on page 35.

First Year	**Aut**	**Win**	**Spr**
English Composition I, II, III (32ENGL101, 102, 103)	3	3	3
Introduction to Business (32BA171)	3		
Principles of Economics (32ECON141, 142)		3	3
Introduction to Management (32MGMT261)			3
Marketing (32MKTG275)			3
Principles of Psychology (32PSYC141)		3	
Introduction to Sociology (32SOC121)	3		
Fundamentals of Speech Communications (32COMM172)			3
Math Elective*	3	3	
Business Computer Applications (32IT141)	3		
Business Information Systems (32IT142)		3	
Intro to Co-op (36PD132)		1	
	15	16	15

* The math elective must be determined by the academic advisor of the program.

Second Year	**Sum/ Aut**	**Win/ Spr**	**Sum**
Technical and Professional Writing (32ENGL341)	3		
Accounting Concepts I,II (32ACCT245, 246)	3	3	
Accounting for Decision Making (32ACCT271)			3
Business Law I,II (32BLAW271, 272)	3		3
Applied Statistics in Business I, II (32STAT231, 232)	4	4	
Human Resource Management & Supervision (32MGMT385)			3

Management Theory (32MGMT371)		3	
Personal Selling (32MKTG373)		3	
Advertising (32MKTG)	3		
Business Finance (32FIN371)		3	
Survey of Investments (32FIN372)			3
Ethics and Social Issues in the Workplace (32PHIL371)			3
	16	16	15

Certificate in business and free enterprise are available. See details on page 37 and 38.

FACILITIES AND HOSPITALITY MANAGEMENT

Bachelor of Science

(Day only)

The Bachelor of Science degree in facilities and hospitalities management prepares individuals to make significant contributions in the facilities management or hospitality management industries. Students can select from three areas of concentration: Facilities Management, Hospitality Management or Casino Management. The multidisciplinary curriculum of study includes a strong emphasis on the technical, business and management skills required in the various industries. The curriculum includes a significant cooperative education component and a senior capstone experience. Upon successful completion of the course of study, graduates can find employment as managers in facilities such as hotels, casinos, sports complexes, college campuses, industrial complexes, assisted living developments, and shopping malls.

First Year	**Aut**	**Win**	**Spr**
English composition I, II, III (32ENGL101, 102, 103)	3	3	3
Principles of Psychology (32PSYC141)			3
Computer Application (32IT101)	3		
Technical Core I*	3		
Principles of Economics I, II (32ECON141, 142)		3	3
Introduction to Data Base (32IT209)		3	
Algebra & Trigonometry I (32MATH178)	4		
Technical Core II**		3	
Special Topics (32FHM143)			1
Introduction to Business (32BA171)	3		
Introduction to Management (32MGMT261)		3	
Construction Drawing (32ARTN121)			3
Fundamentals of Speech (32COMM172)			3
	16	15	16

* **Technical Core I:**
Facilities Mgmt I (32FHM141) or
Hospitality Mgmt I (32FHM151) or
Casino Mgmt I (32FHM161)

** **Technical Core II:**
Facilities Mgmt II (32FHM142) or
Hospitality Mgmt II (32FHM152) or
Casino Mgmt II (32FHM162)

Second Year	**Aut**	**Win**	**Spr**
Accounting Concepts I, II (32ACCT245, 246)	3	3	
Accounting for Decision-Making (32ACCT271)			3
Marketing (32MKTG275)	3		
Business Law I, II (32BLAW271, 272)	3		3
Building and Grounds Operations (32FHM271)	3		
Personal Selling (32MKTG373)		3	
Applied Statistics for Business I, II (32STAT231, 232)		4	4
Technical Core III*			3
Facilities Systems I, II (32FHM201, 202)	3	3	
Science Elective**		4	4
Professional Development (32PD132)		1	
	15	18	17

* **Technical Core III**
Special Event Planning and Management (32FHM274)
Casino Operations (32FHM275)
Facilities Supervision (32FHM273)

** **Science Elective**
Fundamentals of Chemistry and Food Safety for Facilities Management (32CHEM174,333)
(Hospitality & Casino Majors)
Physics for Technology I & II and Lab (32PHYS181, 182, 186, 187)
(Facilities Management Majors)

Third Year	**Sum/Aut**	**Win/Spr**
Space Planning and Interior Design (32FHM371)	3	
Facilities Systems III, IV (32FHM303, 304)	3	3
Technical Core IV*	3	
Construction Safety Management (32CM276)	3	
Technical Core V**		3
Technical and Professional Writing (32ENGL341)		3
Fire Prevention Organization and Management (32FST382)		5
Literature Elective (must be 300 or 400 level)	3	
Co-op		
	15	14

* **Technical Core IV**
  Facilities Management Law (32FHM373)
  Casino Law (32FHM375)
  Hospitality Law (32FHM377)
** **Technical Core V**
  Casino Information Systems (32FHM376)
  Hospitality Information Systems (32FHM378)
  Facilities Management Information Systems (32FHM374)

Fourth Year	**Sum/Aut**	**Win/Spr**
Construction Management I, II (32CM401, 402)	3	3
Business Finance (32FIN371)	3	
Environmental Law and Regulations (32CHEM470)	4	
Energy Management (32FHM481)	3	
Humanities/Social Science Elective (must be 300 or 400 level)	3	
Safety Management (32FST471) or Risk Management & Insurance (32FHM489)		5 (3)
Project Costing and Estimating (32FHM485)		3
Technical Core VI*		3
Technical Core VII**		3
Co-op		
	16	17(15)

* **Technical Core VI**
  Hotel & Restaurant Purchasing & Costing Control (32FHM471)
  Issues in Assisted Living Facilities (32FHM473)
  Gaming Techniques & Operations (32FHM475)
  Landscape Design I (32HORT175)
** **Technical Core VII**
  Casino Security & Surveillance (32FHM476)
  Restaurant & Bar Management (32FHM472)
  Landscape Design II (32HORT275)

Fifth Year	**Aut**	**Win**	**Spr**
Terrorism Awareness & Planning (32FST321)	5		
Leadership Development Seminar (32FHM571)	4		
Human Resource Management & Supervision (32MGMT385)		4	
Computer Assisted Facilities Management (32FHM581)			3
Ethics & Social Issues in the Workplace (32PHIL371)		3	
Technical Core VIII*, IX**		3	3
Project Management (32FHM586)	3		
Senior Project I, II (32FHM541, 542)		3	3
History Elective (must be 300 or 400 level)	3		
Elementary Conversation Spanish (15SPAN111, 112)		3	3
	15	15	15

* **Technical Core VIII**
  Advanced Facilities Management (32FHM573)
  Advanced Hospitality Management (32FHM575)
  Advanced Casino Management (32FHM578)
** **Technical Core IX**
  Facilities Management Seminar in Global Issues (32FHM574)
  Special Issues Seminar in Resorts & Spas Management (32FHM576)
  Special Issues Seminar in Casino Management (32FHM578)

Construction Science

The Department of Construction Science offers four academic programs, in two parallel academic tracks, emphasizing design and construction of built facilities. As a result, academic programs are built around the Design-Construct-Maintain continuum.

Students commence with 2½ year associate degree programs followed by a 2½ year upper division curriculum in each track (including professional practice employment).

Students interested in the construction of buildings and civil engineering projects will proceed through a 2½ year program in Civil and Construction Engineering Technology followed by 2½ years in Construction Management. (Note: Students may apply directly to the BSCM program.)

All students participate in professional practice (cooperative education) which allows six months of paid employment en route to an associate's degree and 21 months of employment during the full five-year curriculum.

Potential employers are engineering firms, contractors, manufacturers, building owners, suppliers, governmental agencies, educational and health institutions.

Admission Requirements. Freshmen are eligible for the Department of Construction Science upon meeting the minimum criteria for admission to the college as well as being in the upper half of their respective high school graduation classes. Applicants must have achieved a minimum mathematics score of 550 or 24 respectively on the Scholastic Aptitude Test (SAT) or the American College Test (ACT). Transfer students should meet these admission criteria as well as have achieved a 2.50 cumulative grade point average for all previous college work.

Graduation Requirements. Certification for graduation occurs only when a student has earned a 2.00 cumulative average in departmental courses required for the degree *and* has met all of the college and university requirements for graduation.

NOTE: While some of the following Construction Science programs offer course work in the evening, these classes typically are for matriculated students only. Further, no evening degrees are offered.

ARCHITECTURAL ENGINEERING TECHNOLOGY

Bachelor of Science

(Day)

ARCHITECTURAL TECHNOLOGY

Associate of Applied Science

(Day, Selected Courses Offered in the Evening[1])

The objective of the architectural curriculum is to prepare well grounded technical people for architectural engineering design offices, construction companies and related employment.

After successfully completing 2½ years with emphasis on basic technical skills, students receive associate's degrees of applied science and may work as architectural technicians in drafting, surveying, building inspection, and estimating. Most students go on to complete bachelor's degrees.

Upon successful completion of the full curriculum, students receive Bachelor of Science degrees in Architectural Engineering Technology. The upper 2½ years emphasize architectural and engineering design and management. These graduates become architectural engineering technologists, usually on project teams, and frequently achieve leadership of those teams.

Students completing the AT associate's degree may transfer into the Construction Management baccalaureate program as well as the BSAET program.

	Cr. Per Qtr.		
First Year	**Aut**	**Win**	**Spr**
Construction Materials (32BLTN107)	3		
Construction Seminar I,II (32CM101,2)	1	1	
Fund. Of Speech Communication (32COMM172)	3		
English Composition I,II,III (32ENGL101,2,3)	3	3	3
Microcomputer Applications II (32IET321)		3	
College Algebra & Trig (32MATH180)	5		
Intro to Co-op (36PD132)	1		
Construction Drawing I, II (32ARTN121,2)		3	3
Calculus I, II (32MATH244,5)		4	4
Physics for Tech I, II (32PHYS181,2)		3	3
Physics for Tech Lab I, II (32PHYS 186,7)		1	1
Fundamentals of Chemistry (32CHEM174)			4
	16	18	18

Second Year	**Sum/Aut†**	**Win/Spr†**
Cons Documents & Quality Control (32CM272)	3	
Mechanics of Rigid Bodies (32CVTN213)	3	
Applied Structural Mechanics (32CVTN223)	1	
Surveying (32CVTN242)	4	
Physics for Tech III (32PHYS 183)	3	
Physics for Tech III Lab (32PHYS 188)	1	
Architectural Design I (32ARTN241)		3
Construction Estimating (32ARTN289)		3
Structures II (32CVTN212)		3
Structures II Lab (32CVTN222)		1
Fluid Mechanics (32CVTN251)		3
Fluid Mechanics Lab (32CVTN261)		1
Humanities Elective	3	
General Psychology (32PSYC171)		3
	18	17

Third Year	**Sum/Aut†**	**Win/Spr†**
Architecture History (32ARTN183)	3	
Architecture Design II (32ARTN242)	3	
Water Supply & Waste Disp. (32ARTN373)	4	
Structures III,IV (32CVTN313,14)	3	3
Structures III,IV Lab (32CVTN323,4)	1	1
Soil Mechanics (32CVTN378)	3	
Soil Mechanics Lab (32CVTN388)	1	
Problems in Architecture I (32ARTN318)		3
Adv. Technical Calculus (32MATH381)		4
Construction Management I (32CM301)		3
General Education Elective		3
	18	17

* NOTE: Students completing associate's degrees in Architectural Technology will need to complete Mechanical Systems for Buildings (32ARTN573) for graduation.

Fourth Year	**Sum/Aut†**	**Win/Spr†**
Electrical Systems (32ARTN472)	3	
Construction Management II (32CM402)	3	
Problems in Architecture II (32ARTN319)	3	
Probability and Statistics (32MATH371)	4	
Problems in Architecture III (32ARTN420)		3
Technical Writing I (32ENGL341)		3
Mechanical Systems (32ARTN473)		4
Structural Systems I (32CVTN401)		3
Structural Systems Lab I (32CVTN411)		1
Managerial Psychology (32PSYC373) *or* Psychology of Work Teams (32PSYC371)		3
Humanities/Social Science Elective	3	
	16	17

Fifth Year	Aut	Win	Spr
Scheduling (32CM411)	3		
Structural Systems II (32CVTN571)	3		
Leadership/Decision Making (32CM505)		3	
Photographics (32ARTN561)		3	
Senior Arch. Project I,II,III (32ARTN522,3,4)	4	5	5
Free Elective			3
Technical Elective*	3	3	3
Humanities/Social Science Elective	3	3	6
	16	17	17

† Students take either the curriculum shown or participate in the Professional Practice (co-op) assignment (32COOP032).

Architectural History and General Psychology may be taken either autumn or winter quarters.

* Technical Electives:
- Courses from the Construction Management Program
- Courses in engineering, engineering technology or architectural program
- Other courses with permission of department head

All technical and free electives must have prior approval of the department head.

CONSTRUCTION MANAGEMENT

Bachelor of Science

(Day)

CIVIL AND CONSTRUCTION ENGINEERING TECHNOLOGY

Associate of Applied Science

(Day, with selected courses offered in the evening*)

The objective of the Civil and Construction Engineering Technology curriculum is to prepare technicians for employment in civil engineering design offices, construction companies and related positions.

After successfully completing 2½ years with emphasis on the technical skills of civil engineering and construction, students will receive an associate's of applied science degree and may work as civil/construction technicians in drafting, materials testing, surveying, and estimating. Most students go on to complete bachelor's degrees.

Upon successful completion of the full curriculum, students receive bachelor of science degrees in Construction Management. The upper 2½ years emphasize construction operations, management, scheduling, contracts, law, equipment, and quality control. Graduates typically become assistant project managers or superintendents for construction companies, and then climb the leadership ladder.

Students completing the associate's degree may transfer into the Architectural Engineering Technology baccalaureate program, as well as the BSCM program.

* Civil and Construction Engineering Technology evening classes are typically offered only for matriculated students. No evening degrees are offered.

	Cr. Per Qtr.		
First Year	**Aut**	**Win**	**Spr**
Construction Materials (32BLTN107)	3		
Construction Seminar I, II (32CM101,2)	1	1	
Fund. of Speech Communication (32COMM172)	3		
English Composition I,II,III (32ENGL101,2,3)	3	3	3
Microcomputer Applications II (32IET,321)		3	
College Algebra & Trig (32MATH180)	5		
Intro To Co-op (36PD132)	1		
Construction Drawing I,II (32ARTN121,2)		3	3
Calculus I,II (32MATH244,5)		4	4
Physics for Tech I,II (32PHYS181,2)		3	3
Physics for Tech Lab I,II (32PHYS 186,7)		1	1
General Psychology (32PSYC171)			3
	16	18	17

Second Year	**Sum/Aut†**	**Win/Spr†**
Construction Safety Mgmt (32CM 276)	3	
Cons Documents & Quality Control (32CM272)	3	
Mechanics of Rigid Bodies (32CVTN213)	3	
Applied Structural Mechanics (32CVTN223)	1	
Surveying (32CVTN242)	4	
Physics for Tech III (32PHYS183)	3	
Physics for Tech III Lab (32PHYS188)	1	
Accounting Concepts I (32ACCT245)		3
Construction Estimating (32ARTN289)		3
Structures II (32CVTN212)		3
Structures II Lab (32CVTN222)		1
Fluid Mechanics (32CVTN251)		3
Fluid Mechanics Lab (32CVTN261)		1
Humanities Elective		3
	18	17

***NOTE:** Students completing only the associate's degree (without proceeding to the bachelor's) should substitute Principles of Accounting with Mechanical Systems (32ARTN573) to meet accreditation requirements.

Third Year	Sum/Aut†	Win/Spr†
Water Supply & Waste Disp. (32ARTN373)	4	
Electrical Systems (32ARTN372)	3	
Construction Equipment (32BLTN310)	3	
Structures III,IV (32CVTN313, 4)	3	3
Structures III,IV Lab (32CVTN323,4)	1	1
Soil Mechanics (32CVTN378)	3	
Soil Mechanics Lab (32CVTN388)	1	
Accounting Concepts II (32ACCT246)		3
Mechanical Systems (32ARTN573)		4
Construction Management I (32CM401)		3
Survey Economics (32ECON286)		3
	18	17

Fourth Year	Sum/Aut†	Win/Spr†
Accounting for Decision Making (32ACCT271)	3	
Construction Management II,III (32CM402, 3)	3	3
Scheduling (32CM411)	3	
Economic Analysis (32ECON386)	3	
Probability and Statistics (32MATH371)	4	
Construction Methods (32BLTN418)		3
Project Costing (32CM582)		3
Structural Systems I (32CVTN401)		3
Structural Systems Lab I (32CVTN411)		1
Managerial Psychology (32PSYC373) *or* Psychology of Work Teams (32PSYC371)		3
	16	16

Fifth Year	Aut	Win	Spr
Construction Fin & Strategy Plan (32CM581)	3		
Structural Systems II (32CVTN571)	3		
Leadership/Decision Making (32CM505)		3	
Senior Special Project I, II (32CM575,6)		5	5
Construction Law (32CM571)			3
Free Elective	3		
Technical Elective	3	3	3
Humanities/Social Science Elective	3	3	3
Business Law (32BLAW272)		3	
Intro to Management (32MGMT261)			3
	15	17	17

† Students take either the curriculum shown or participate in the Professional Practice (co-op) assignment (32COOP032).

Approved areas are as follows: 417 Business Law (BLAW), 430 Finance (FIN), 415 Management (MGMT), 455 Marketing (MKTG), 460 Real Estate (RE), (College of Business, CoB).

All other courses taken as business electives must have prior approval of the department head.

Free electives must have prior approval of adviser or department head.

CHEMICAL TECHNOLOGY

Associate of Applied Science

(Day)

Bachelor of Science

(Day)

Chemical Technology is a field that applies principles of science, technology and mathematics to produce new products for everyday living and solutions affecting society and the environment. It is concerned with the nature of the material world, its interactions and changes, and how those interactions and changes can be used to our advantage.

The chemical industry investigates new materials for possible applications, characteristics, and reactions leading to new products and processes such as antibiotics, plastics, synthetic fibers, food and beverage processing, and petroleum products.

To prepare students for careers in the chemical industry, the Chemical Technology Department offers two degree programs — the associate's degree in chemical technology and the bachelor's degree in chemical technology.

These programs rest on two themes:

1. They are *laboratory-driven* since chemistry is a laboratory science. The programs emphasize chemical technology through laboratory skill development supported by science which has been the mission of the College of Applied Science for many decades.
2. A second theme throughout these programs is chemical analysis. The heart of chemistry-based technology rests on accurate laboratory analysis, collection and presentation of data, and effective communication of results. Analytical laboratory skill development is a central focus.

The bachelor's degree program also features a senior project allowing students to use their skills and competencies in the solution of a real problem. Given the open elective opportunities within the curriculum, it is possible for students to develop an emphasis in **forensic, environmental science** or **biotechnology/life sciences.**

A degree in chemical technology can lead to an exciting and interesting career in many areas. Graduates assist in research, development, quality control, production, sales, marketing, and technical writing. They are employed in laboratories serving industry, local and federal governments, agriculture, medi-

cine, and the energy industries. Chemical technology graduates are hired by organizations such as Procter & Gamble, Sun Chemicals, AK Steel, the Emery Group of Henkel, Eastman Kodak, DuPont, the Environmental Protection Agency, Dow Chemical, and medical research centers.

Classes in the Chemical Technology program are small, averaging 20-24, enabling students to receive individual attention. Both programs include the cooperative education experience. Students in the associate's degree program will have two cooperative work periods; students in the bachelor's degree program will have an additional four cooperative work periods for a total of six. During these cooperative work periods, students polish newly acquired skills, develop new competencies, get a feeling for on-the-job responsibilities, and frequently can earn enough to pay their educational expenses. Cooperative employers have included the Emery Group of Henkel, Dow Chemical, Procter & Gamble, Formica, DeGussa, Cincinnati Waterworks, Sun Chemical and Shepherd Color.

Humanities/Social Science/ Communication Courses

All associate degree students are required to complete three humanities/social science/communication courses in addition to Freshman English I, II,III, and Fundamentals of Speech Communications, as specified in the curriculum. Bachelor's degree students are required to complete five humanities/ social science/communication courses, as specified in the curriculum.

Curriculum

The combined associate's and bachelor's degree programs are displayed below in the five-year cooperative education format. Students who wish to complete only the associate degree will be awarded the diploma after completing the first six academic quarters and two quarters of cooperative work experience. Students enrolled in the bachelor degree program must complete all academic quarters and six quarters of cooperative work.

Students entering the program in even-numbered years will co-op in the summer quarter of their freshman year. Students entering in odd-numbered years will attend classes the summer after their freshman year and will co-op in the fall quarter of their sophomore year.

First Year	**Cr. Hrs.**
Chemical Technology I,II,III (32CHEM131,2,3)	15
Learning Across Disciplines0 (32MLTI171)	3
Preparation & Analysis of Organic Compounds I, II (32CHEM231,2)	10
Environmental Chemistry (32CHEM271)	4
Fundamentals of Speech Communications (32COMM172)	3
English Composition I,II,III (32ENGL101,2,3)	9
Algebra & Trigonometry I,II (32MATH178,9)	8
Calculus I,II (32MATH244,245)	8
Intro to Co-op (36PD132)	1
	61

Second Year	**Cr. Hrs.**
Preparation & Analysis of Organic Compounds III (32CHEM233)	5
Chemical Technology IV (32CHEM241)	5
Chemical Engineering and Process Fundamentals (32CHTN271)	4
Survey of Economics (32ECON286)	3
Technical & Professional Writing I (32ENGL341)	3
Probability & Statistics (32MATH371)	4
General Psychology (32PSYC171)	3
Open Elective	3
	30

Note: After successful completion of the prior required courses, or their equivalents, the student may apply for the associate's degree.

Third Year	**Cr. Hrs.**
Biochemistry I (32CHEM411)	5
Chemical Instrumentation I,II (32CHEM321,2)	10
Methods of Sample Preparation (32CHEM373)	5
Technical Elective	6
	26

Fourth Year	**Cr. Hrs.**
Biochemistry II,III (32CHEM412,3)	10
Chemical Instrumentation III (32CHEM323)	5
Demonstration of Comprehensive Laboratory Proficiency (32CHEM372)	1
Instrumental Analysis (32CHEM430)	5
Technical & Professional Writing II (32COMM342)	3
Open Elective	3
	27

Fifth Year	**Cr. Hrs.**
Senior Project I,II,III (32CHEM401,2,3)	9
Senior Project Communications I,II (32ENGL460,1)	6

Psychology of Work Teams (32PSYC371)	3
Humanities Electives	3
Open Elective	6
Technical Elective	12
	39

CULINARY ARTS AND SCIENCE

Bachelor of Applied Science

A dual admission program between Cincinnati State's Midwest Culinary Institute and the UC College of Applied Science

The objective of the Bachelor of Science degree in Culinary Arts and Science is to prepare individuals to make significant contributions in the food service industry across a broad range of disciplines, from the artistic talents of a chef to the application of scientific knowledge in the design and production of food items. Thus the curriculum is a blend of culinary arts and food science with opportunities for the development of analytical skills, as well as artistic ability.

Courses stress hands-on applications. The curriculum includes a significant cooperative education component, and a senior project capstone experience. Upon successful completion of the curriculum, career opportunities include employment in food preparation, food research, the personal chef industry, food development, management and sales.

Culinary Arts and Science

ADMISSION REQUIREMENTS

Students seeking admission to the bachelor's degree program in culinary arts and science must have earned an associate degree in culinary arts from a regionally accredited institution with a minimum grade point average of 2.5.

Students may enter the bachelor's degree program in two ways:

1) Apply through Cincinnati State Technical & Community College (CSTCC) as a dually enrolled student in the joint CSTCC/UC baccalaureate program.

2) Students who have earned an associate degree in culinary arts from another regionally accredited institution and earned a minimum of a 2.5 GPA should apply through CSTCC. Admission will be contingent upon review by CSTCC/UC and successful demonstration of culinary arts proficiencies.

Degree requirements include an associate degree in Culinary Arts and successful completion of the following upper-division curriculum.

Pre-Junior	**Aut**	**Win**	**Spr**
Advanced Asian Cookery (32CUL330)	3		
Chemistry for Food Science (32CHEM330)	4		
Humanities/Gen Ed. Elective (32XXXyyy)	3		
Conversational French I (Elective) (32HUMyyy)	3		
Intro to Coop (36PD132)	1		
Biochemistry for Food Science (32CHEM335)		4	
Fundamentals of Food Chemistry I (32CHEM331)		4	
Statistics for Culinary Science (32STAT181)		4	
Computer Use in Food Management (32CUL333)		3	
Fundamentals of Food Chemistry II (32CHEM332)			4
Food Microbiology (32CHEM345)			4
Advanced Cake, Pastry and Bakeshop (32CUL337)			3
Humanities/Gen Ed. Elective (32XXXyyy)			3
	14	15	14

Junior Year	**Aut/Win**	**Spr/Sum**
Fundamentals of Food Chemistry III (32CHEM333)	4	
Marketing and Merchandising Food and Food Products (32CUL338)	3	
Humanities/Gen Ed. Elective (32XXXyyy)	3	
Creating Foods (32CUL404)	3	
Chemistry & Technology of Flavors (32CHEM350)	3	
Humanities/Gen Ed. Elective (32XXXyyy)		3
Methods of Analysis of Food Components (32CHEM355)		4
Nutritional Biochemistry (32CHEM424)		3
Sensory Evaluation & Testing (32CHEMxxx)		3
Managerial Communication (32COMM341)		3
	16	16

Senior Year	**Aut**	**Win**
Food Formulation & Ingredient Functionality (32CHEM421)	3	
Discovering Wine (32CUL406)	3	
Food Processing Technologies (32CHEM420)	4	
Senior Project I (32CHEM422)	3	
Open Elective (32ZZZyyy)	3	
Open Elective (32ZZZyyy)		3
Food Safety and Preservation (32CHEM340)		4
Senior Project II (32CHEM423)		3
Culinary Presentation (32CULxxx)		3
	16	13

Total Credit Hours 104

† Students take either the curriculum or participate in the professional practice (co-op) program.

** Course Titles, Credits, and Descriptions are subject to approval by the UC/CAS Curriculum Committee; they may change.*

Electrical and Computer Engineering Technology

COMPUTER ENGINEERING TECHNOLOGY

Bachelor of Science

(Day)

Career opportunities in computer engineering technology exist in all employment areas which involve computers, networking and computer-based instrumentation. Computer- related fields are projected to have huge job growth in the future. The CET curriculum has much in common with the ET curriculum and students in both programs may take the same technical electives if they meet the prerequisites for each one.

Six cooperative education work periods are required for this degree program, since most employers seek individuals with relevant work experience along with classroom training. All students are required to register for Professional Development I during the winter quarter of the freshman year.

Degree requirements are 188 credit hours where the core computer engineering technology courses are supplemented by course work in communication arts, humanities, social sciences, mathematics and basic sciences.

	Cr. Per Qtr.		
First Year	**Aut**	**Win**	**Spr**
Algebra & Trigonometry I,II (32MATH178,9)	4	4	
Elements of ECET (32ELTN102)	3		
Elements of ECET Lab (32ELTN112)	1		
English Composition I,II,III (32ENGL101,2,3)	3	3	3
Microcomputer Applications I (32IET121)	3		
Circuit Analysis I (32ELTN142)		3	
Circuit Analysis I Lab (32ELTN152)		1	
Digital Systems I,II (32ELTN141,242)		3	3
Digital Systems I,II Lab (32ELTN151,252)		1	1
Intro to Co-op (36PD132)		1	
Calculus I (32MATH244)			4
Fundamentals of Speech Communication (32COMM172)			3
Programming in C (32IET160)			3
	14	16	17

Second Year	**Sum/Aut[+]**	**Win/Spr[+]**
Calculus II (32MATH245)	4	
Electronics (32ELTN101)	3	
Electronics Lab (32ELTN111)	1	
H/SS Elective	3	
Object Oriented Programming (32CET202)	3	
Object Oriented Programming Laboratory (32CET212)	1	
Computer Interfacing (32CET204)		3
Computer Interfacing Lab (32CET214)		1
Linear Electronics (32ELTN203)		3
Linear Electronics Lab (32ELTN213)		1
Physics for Technology I (32PHYS181)		3
Physics for Technology I Laboratory (32PHYS186)		1
Visual Basic (32IET293)		3
	15	15

Third Year	**Sum/Aut[+]**	**Win/Spr[+]**
Computer Networks I,II (32ELTN456,7)	3	3
Computer Networks I,II Lab (32ELTN466,7)	1	1
Computer Architecture (32ELTN483)		3
Computer Architecture Lab (32ELTN493)		1
Digital Systems III (32ELTN243)	3	
Digital Systems III Lab (32ELTN253)	1	
H/SS Elective	3	3
Physics for Technology II (32PHYS182)	3	
Physics for Technology II Laboratory (32PHYS187)	1	
Probability & Statistics (32MATH371)		4
Technical Elective[1]	3	
Technical Elective Lab[1]	1	
	19	15

Fourth Year	**Sum/Aut[+]**	**Win/Spr[+]**
Advanced Technical Calculus I (32MATH381)	4	
OOP in C++ (32ELTN437)	3	
OOP in C++ Lab (32ELTN447)	1	
Technical Elective[1]	3	
Technical Elective Lab[1]	1	
Technical & Professional Writing I,II (32ENGL341,2)	3	3
Computer Security (32CET402)		3
Computer Security Lab (32CET412)		1
Graphical Network Programming (32ELTN486)		3

Graphical Network Programming Lab(32ELTN496)		1
Science Elective		3
	15	14

Fifth Year	**Aut**	**Win**	**Spr**
Embedded Systems (32ELTN342)	3		
Embedded Systems Laboratory (32ELTN352)	1		
H/SS Elective	3		
Science Elective	3	3	
Senior Design I,II,III (32ELTN411,2,3)	2	1	3
UNIX System Administration (32ELTN424)	3		
UNIX System Administration Lab (32ELTN434)	1		
Data Communications (32ELTN401)		3	
Data Communications Lab (32ELTN402)		1	
Economics Analysis (32ECON386)		3	
H/SS Elective			3
H/SS Elective			3
Technical Elective[1]		3	3
Technical Elective Lab[1]			1
Technical Elective[1]			3
Technical Elective Lab[1]		1	1
	16	15	17

Total Credit Hours: 188

[+] Students take either the curriculum or participate in the professional practice (co-op) assignment.

ELECTRICAL ENGINEERING TECHNOLOGY

Bachelor of Science

(Day and Evening)

Associate of Applied Science

(Day and Evening)

The Electrical and Computer Engineering Technology (ECET) Department offers two degree programs, the Associate of Applied Science and the Bachelor of Science. Both degrees may be earned in either day or evening programs. Both day and evening programs are ABET accredited.

The Bachelor of Science curriculum supports the advanced technical educational needs of national and regional industries. This upper division program is structured to develop expertise in the following discipline areas: computers, controls, and communications. The subjects are complementary to, but not a direct continuation of, the associate's degree program with emphasis on computer analysis, programming, and simulation. Additionally the baccalaureate program requires the completion of a senior design project.

Technical electives provide flexibility and variety, and are scheduled by the department based upon instructor/resource availability. Not all entries in the list will be necessarily offered during any particular student's pursuit of a degree.

Most employers of our graduates seek individuals with relevant employment along with required classroom work. For that reason, six cooperative education work periods are required for the bachelor's degree program. Satisfactory completion of two quarters of cooperative work experience is mandatory for only the associate's degree. All day ECET students desiring a cooperative work experience are required to register for Professional Development I (32PD132) during the winter quarter of the freshman year.

Degree requirements include 97 credit hours at the associate's level and 93 credit hours at the baccalaureate level. The core of electrical engineering technology subjects is supplemented by course work in communication arts, humanities, social sciences, mathematics, and basic sciences. Course work in day and evening classes is identical. Evening students consult the ECET evening coordinator for academic advising and/or scheduling classes. Department permission is required for matriculated associate's degree students to take baccalaureate level courses. For current curriculum information see the departmental web page: *www.uc.edu/cas*.

Power Technology Option to the ASEET Degree

Electric power makes our quality of life possible and underpins our industrialization. No sector of the economy is more vital to our nation, the economy or ourselves. This degree option provides a solid understanding of electrical equipment, power generation, and distribution that spans the entire process from generation through distribution to our homes. The curriculum is designed to meet current and projected industry needs. Associate degree graduates may seek immediate industrial employment or continue in pursuit of the Bachelor's degree.

Telecommunications Option to the ASEET Degree

Telecommunications has become an important part of our everyday lives as well as vital part of the world's economy. There is an ever increasing need for persons who have technical knowledge in this area. The courses offered as part of the telecommunications option provide this knowledge along with hands-on experience in such areas as the phone system, digital data communications, cable modems, satellite communications, and wireless communications networks.

Students entering as freshmen after autumn 2002 may elect to pursue the telecommunications option to the associate's degree in EET by making the following course selections. Ambitious

students may take telecommunications courses in addition to the standard ASEET curriculum.

Telecommunications I, Lab (32ELTN208,218) instead of Circuit Analysis III, Lab (32ELTN144,154)

Telecommunications II, Lab (32ELTN209,219) instead of Digital Systems III, Lab (32ELTN243,253)

Telecommun. III, Lab (32ELTN208,218) as a technical elective

	Cr. Per Qtr.		
First Year	**Aut**	**Win**	**Spr**
Algebra & Trigonometry I,II (32MATH178,9)	4	4	
Elements of ECET (32ELTN102)	3		
Elements of ECET Lab (32ELTN112)	1		
English Composition I,II,III (32ENGL101,2,3)	3	3	3
Microcomputer Apps. I (32IET121)	3		
Circuit Analysis I (32ELTN142)		3	
Circuit Analysis I Lab (32ELTN152)		1	
Digital Systems I (32ELTN141)		3	
Digital Systems I Lab (32ELTN151)		1	
Intro to Co-op (36PD132)		1	
Calculus I (32MATH244)			4
Circuit Analysis II (32ELTN143)			3
Circuit Analysis II Lab (32ELTN153)			1
Digital Systems II (32ELTN242)			3
Digital Systems II Lab (32ELTN252)			1
	14	16	15

Second Year	**Sum/Aut⁺**	**Win/Spr⁺**
Calculus II (32MATH245)	4	
Circuit Analysis III (32ELTN144)	3	
Circuit Analysis III Lab (32ELTN154)	1	
Electronics (32ELTN101)	3	
Electronics Lab (32ELTN111)	1	
H/SS Elective	3	
Fund. of Speech Comm. (32COMM172)		3
Large Signal Electronics (32ELTN207)		3
Large Signal Electronics Lab (32ELTN217)		1
Linear Electronics (32ELTN203)		3
Linear Electronics Lab (32ELTN213)		1
Physics for Technology I (32PHYS181)		3
Physics for Tech. I Lab (32PHYS186)		1
Programming in C (32IET160)		3
	15	18

Third Year	**Sum/Aut⁺**	**Win/Spr⁺**
Digital Systems III (32ELTN243)	3	
Digital Systems III Lab (32ELTN253)	1	
Electronic Communication (32ELTN247)	3	
Electronic Communication Lab (32ELTN257)	1	
H/SS Elective	3	
Physics for Technology II (32PHYS182)	3	
Physics for Technology II Lab (32PHYS187)	1	
Technical Elective*[1]	3	
Technical Elective Lab*[1]	1	
	19	

After successful completion of the prior required courses, or their equivalents, the student may apply for the associate's degree.

	Sum/Aut⁺	**Win/Spr⁺**
Computer Architecture (32ELTN483)		3
Computer Architecture Lab (32ELTN493)		1

	Sum/Aut⁺	**Win/Spr⁺**
H/SS Elective		3
Probability & Statistics (32MATH371)		4
Technical Elective*2		3
Technical Elective Lab*2		1
		15

Fourth Year	**Sum/Aut⁺**	**Win/Spr⁺**
Advanced Technical Calculus (32MATH381)	4	
OOP in C++ (32ELTN437)	3	
OOP in C++ Lab (32ELTN447)	1	
Technical Elective*[2]	3	
Technical Elective Lab*[2]	1	
Technical & Professional Writing I,II (32ENGL341,2)	3	3
Applied Mechanics I (32MET346)		3
Graphical Network Programming (32ELTN486)		3
Graphical Network Programming Lab (32ELTN496)		1
Feedback Control I (32ELTN372)		3
Feedback Control I Lab (32ELTN382)		1
	15	14

Fifth Year	**Aut**	**Win**	**Spr**
Feedback Control II (32ELTN346)	3		
Feedback Control II Lab (32ELTN356)	1		
Embedded Systems (32ELTN342)	3		
Embedded Systems Lab (32ELTN352)	1		
H/SS Elective	3		
Intro. to Thermosciences (32MET210)	4		

Senior Design 1,II,III (32ELTN411,12,13)	2	1	3
Applied Mechanics II (32MET347)		3	
Digital Signal Processing (32ELTN485)		3	
Digital Signal Processing Lab (32ELTN495)		1	
Economic Analysis (32ECON386)		3	
Technical Elective [*2]		3	3
Technical Elective Lab[*2]		1	1
H/SS Elective			3
H/SS Elective			3
Technical Elective[*2]			3
Technical Elective Lab[*2]			1
	17	15	17

[+] Students take either the curriculum shown or participate in the professional practice (co-op) assignment.

***Technical Electives to be chosen from the following lists.**

[1]Associate level:
Topics of:
- Design Fundamentals (32ELTN256)
- Design Fundamentals Lab (32ELTN266)
- Electronic Instrumentation I (32ELTN289)
- Electronic Instrumentation I Laboratory (32ELTN299)
- Power Semiconductor Drives (32ELTN276)
- Power Semiconductor Lab (32ELTN286)

[2]Baccalaureate Computer Electives:
Topics of:
- A.I./Experts Systems (32ELTN418)
- A.I./Experts Systems Laboratory (32ELTN428)
- Assembly Language Programming (32ELTN420)
- Assembly Language Programming Laboratory (32ELTN430)
- Compiler Design (32ELTN436)
- Compiler Design Laboratory (32ELTN446)
- Computer Networks I (32ELTN456)
- Computer Networks I Laboratory (32ELTN466)
- Computer Networks II (32ELTN457)
- Computer Networks II Laboratory (32ELTN467)
- Computer NKWK Administration (32ELTN445)
- Computer NKWK Administration Lab (32ELTN455)
- Data Communications (32ELTN401)
- Data Communications Laboratory (32ELTN402)
- Database Design (32ELTN421)
- Database Design (32ELTN431)
- Microcomputer Interfacing (32ELTN417)
- Microcomputer Interfacing Laboratory (32ELTN427)
- Object-Oriented Programming (32ELTN423)
- Object-Oriented Programming (32ELTN433)
- Operating Systems (32ELTN422)
- Operating Systems Laboratory (32ELTN432)
- UNIX System Administration (32ELTN424)
- UNIX System Administration Laboratory (32ELTN434)
- Virtual Instrumentation (32ELTN458)
- Virtual Instrumentation Laboratory (32ELTN468)

Electrical electives
Topics of:
- Digital Signal Processing II (32ELTN487)
- Digital signal Processing II Lab (32ELTN497)
- Electronic Instrumentation II (32ELTN341)
- Electronic Instrumentation II Laboratory (32ELTN351)
- Flexible Automation (32ELTN415)
- Flexible Automation Laboratory (32ELTN425)
- Flexible Automation II (32ELTN419)
- Flexible Automation II Laboratory (32ELTN429)
- Polyphase Networks (32ELTN451)
- Polyphase Networks Lab (32ELTN461)
- RF Communication (32ELTN471)
- RF Communications Laboratory (32ELTN481)
- Rotating Electric Machines (32ELTN416)
- Rotating Electric Machines Laboratory (32ELTN426)
- Servo Mechanisms (32ELTN345)
- Servo Mechanisms Lab (32ELTN355)

Fire and Safety Engineering Technology

FIRE AND SAFETY ENGINEERING TECHNOLOGY

Bachelor of Science

(Open Learning)

Applicants wishing to pursue the Bachelor of Science degree in Fire and Safety Engineering Technology through the Open Learning Fire Service Program must have successfully completed an associate's degree or the equivalent (preferably in fire science or a related field), and agree to make up any associate's level deficiencies (courses marked in First Year curriculum with an *), as well as have met all admission requirements as described in this Bulletin.

The purpose of the program is to provide fire service personnel an opportunity to earn credit toward a baccalaureate degree while upgrading professional skills via the open learning method. Fire Service courses are taken by correspondence. Written assignments and projects provide a continuous indication of progress and the basis for an ongoing relationship between professor and student. Telephone consultations and personal visits are often used to supplement the learning process. It is the desire of the college to be as flexible as possible in allowing the student to fulfill the curriculum requirements in either a combined open learning and traditional manner, or totally by open learning. The requirements listed below have been divided into general categories. Credits for fulfillment of these categories, with the exception of the Fire Service courses,

may be earned either at a local accredited institution or by the open learning method from an accredited institution offering appropriate courses. These credits will then be transferred and applied toward the degree requirements providing the grade earned is a C or higher.

Students must ensure that non-fire related courses taken at other universities are equivalent to those required in the campus-based Associate of Applied Science program at OMI/CAS. A catalog of course descriptions for all courses taken at another college or university must be sent for prior approval.

Credit requirements are as follows:

	Cr. Hrs.
Fire Service Core Courses	**40**
Advanced Fire Administration* (32FST380)	5
Fire Prevention Organization and Management* (32FST382)	5
Fire Protection Structure and Systems Design* (32FST383)	5
The Community and the Fire Threat* (32FST384)	5
Political and Legal Foundations of Fire Protection* (32FST385)	5
Fire Dynamics* (32FST387)	5
Building Construction (32FST319)	5
Fire Service Elective	**10**
Any **two "400" level** Fire Service courses are required. Choose from:	
Fire Scene Reconstruction (32FST388)	5
Disaster and Fire Defense Planning (32FST480)	5
Personnel Management for the Fire Service (32FST481)	5
Applications of Fire Research (32FST482)	5
Fire Related Human Behavior (32FST483)	5
Incendiary Fire Analysis and Investigation (32FST484)	5
Managerial Issues of Hazardous Materials (32FST486)	5
Mathematics and Computer Science	**12**
Students must take: higher-level mathematics beyond algebra and trigonometry or courses in microcomputer applications, management information systems, database management, physics, etc. and at least one course in statistics.	
Humanities	**15**
Junior and Senior level.	
Technical Electives	**22**
These electives must be courses in Natural Science, Fire Science, Data Processing, Business Administration, Engineering (or related Fire and/or Emergency Medical Training Programs) which complement the Fire Service curriculum. Open Learning Fire Service elective courses not being used to satisfy the Fire Science elective requirement may be used. Fire Science Portfolio (32FST488) and Independent Research (32FST499) may also be used as technical electives. Life experience credit earned through the portfolio process may be substituted for equivalent fire-related courses or used as technical elective credit.	
Total	**94**

NOTE: Students who have used any of the Bachelor of Science Open Learning courses (300 and 400 series) to fulfill associate's degree requirements may not retake or reapply them at the baccalaureate level. They must substitute 32FST499, Independent Research.

FIRE SCIENCE TECHNOLOGY

Associate of Applied Science

(Open Learning)

Students who do not have ready access to a campus-based or community college associate's degree program in fire science may pursue the Associate of Applied Science degree in Fire Science using the Open Learning format.

Credit requirements are as follows:

Fire Service Core Courses	**Cr. Hrs.**
Fire Tactics (32FST209)	5
Hazardous Materials (32FST249)	5
Fire Determination Strategies (32FST269)	5
Firefighter Safety and Risk Management (32FST279)	5
Advanced Fire Administration* (32FST380)	5
Fire Scene Reconstruction, CSI (32FST388)	5
Fire Prevention Organization and Management* (32FST382)	5
Fire Protection Structure and Systems Design* (32FST383)	5
The Community and the Fire Threat* (32FST384)	5
Political and Legal Foundations of Fire Protection* (32FST385)	5
	50
Technical Electives	**6**
Approved areas of study are: Physics, Engineering, Natural Science, Fire Science, Data Processing, Business Administration or related Fire and/or Emergency Medical Training programs.	
English, Humanities, and Social Science	
English Composition I,II,III (32ENGL101,2,3)	9
General Psychology (32PSYC171)	3

Fundamentals of Speech Communications (32FST172)	3
Humanities/Social Science Electives	9
	24

Mathematics/Science	
Algebra/Trigonometry for OLFS (32FST178,9)	8
Fundamentals of Chemistry (32CHEM174)	4
	12
Total Credits	92

Fire Science Internship. An internship program is available. This internship program will be a joint offering by the university and a local fire department. Candidates for internships will be selected based on scholarship (at least 15 credit hours of English or mathematics with a grade point average of 3.5.) They must also meet the criteria established by the host fire department.

* Students who pursue ***both*** the Open Learning ***associate's and bachelor's degrees*** must complete all 17 five-credit Open Learning courses (80 credit hours) in addition to 10 credit hours of Independent Research in Fire Service to satisfy the Fire Science component of the degree**.**

Certificate. Non-degree seeking students may pursue a certificate program. A certificate of completion, co-signed by the National Fire Academy and the University of Cincinnati, is awarded for successful completion of six (6) courses. These courses may be applied later toward a degree.

HORTICULTURE

Bachelor of Science, Horticulture

The Bachelor of Science degree in Horticulture has been designed with the nontraditional student in mind. A scientific track is available for students interested in a more classical horticultural education. A business track is available for students interested in a more commercial approach to horticulture. Classes are held evenings and weekends on the College of Applied Science campus as well as the Clifton campus of the University and several off-campus locations. Requirements for both tracks are listed below.

Horticulture – Science Track

Concentration: Horticulture (Courses italicized are electives.)

Horticulture Science (24 credit hours)	**Cr. Hrs.**
Horticulture Science I (32HORT187)	3
Horticulture Science II (32HORT188)	3
Horticulture Science III (32HORT189)	3
Soil Science (32HORT286)	3
Plant Propagation (32HORT310)	3
Plant Nutrition (32HORT364)	3
Plant Morphology (32HORT472)	3
Horticultural Crop Physiology (32HORT478)	3

Plant Health (18 credit hours)	**Cr. Hrs.**
Plant Pathology (32HORT276)	3
Entomology (32HORT285)	3
Horticultural Microbiology (32HORT312)	3
Advanced Entomology (32HORT317)	*3*
Plant Problem Diagnostics (32HORT416)	*3*
Integrated Landscape Management (32HORT434)	*3*
Advanced Plant Pathology and Disease Management (32HORT480)	*3*
Advanced Entomology and Pest Management (32HORT490)	*3*

Plant Materials and Management (27 credit hours)	**Cr. Hrs.**
Turf grass Management (32HORT277)	3
Herbaceous Ornamental Plants I (32HORT278)	3
Woody Ornamental Plants I (32HORT281)	3
Woody Ornamental Plants II (32HORT282)	3
Herbaceous Ornamental Plants II (32HORT379)	3
Plant Communities of Southwest Ohio (32HORT184)	*3*
Interior Plantscape (32HORT235)	*3*
Tri-State Native Plants (32HORT284)	*3*
Tree Fruits and Small Fruits (32HORT320)	*3*
Vegetable Production (32HORT325)	*3*
Woody Ornamental Plants III (32HORT331)	*3*
Wildlife in Home Landscapes (32HORT340)	*3*
Advanced Turf grass Management (32HORT378)	*3*
Urban Forestry (32HORT385)	*3*
Edible Landscaping (32HORT410)	*3*

Landscape Design and Construction (15 credit hours)	**Cr. Hrs.**
Landscape Design I (32HORT195)	3
Landscape Design II (32HORT275)	3
Landscape Construction I (32HORT279)	3
Landscape Construction II (32HORT338)	*3*
Theme Landscape Design (32HORT420)	*3*
Landscape Design III (32HORT441)	*3*

Horticulture Electives (9 credit hours from any of the four clusters)
or
Special Research Topics in Horticulture (3 – 9 credit hours) (32HORT498)
This qualifies as the Capstone Experience

English (9 credit hours)	
English Composition I (32ENGL101)	3
English Composition II (32ENGL102)	3
English Composition III (32ENGL103)	3

Mathematics (8 credit hours)	
Algebra & Trigonometry I (32MATH178)	4
Algebra & Trigonometry I (32MATH179)	4

Information Technology (3 credit hours)	
Computer Applications (32IT101)	3

In addition, student must complete the general education requirements of the University of Cincinnati.

Horticulture for Non-majors as a Natural Science elective

Plant Communities of Southwest Ohio (32HORT183)	3 credits
Horticulture Science I (32HORT187)	3 credits

****Horticulture Science Concepts NS — Option for non-majors**	
Cincinnati Summer Horticulture (32HORT185)	3

****Horticulture Plant Materials and Management NS — Option for non-majors**	
Flowers, Vegetables and Lawns (32HORT283)	3

Horticulture – Business Track

Concentration: Horticulture (Courses italicized are electives.)

Horticulture Science (24 credit hours)	**Cr. Hrs.**
Horticulture Science I (32HORT187)	3
Horticulture Science II (32HORT188)	3
Horticulture Science III (32HORT189)	3
Soil Science (32HORT286)	3
Plant Propagation (32HORT310)	3
Plant Nutrition (32HORT364)	3
Plant Morphology (32HORT472)	3
Horticultural Crop Physiology (32HORT478)	3

Plant Health (12 credit hours)	**Cr. Hrs.**
Plant Pathology (32HORT276)	3
Entomology (32HORT285)	3
Horticultural Microbiology (32HORT312)	3
Advanced Entomology (32HORT317)	*3*
Plant Problem Diagnostics (32HORT416)	*3*
Integrated Landscape Management (32HORT434)	*3*
Advanced Plant Pathology and Diseases (32HORT480)	*3*
Advanced Entomology and Pest Management (32HORT490)	*3*

Plant Materials and Management (15 credit hours)	**Cr. Hrs.**
Turf grass Management (32HORT277)	3
Herbaceous Ornamental Plants I (32HORT278)	3
Woody Ornamental Plants I (32HORT281)	3
Woody Ornamental Plants II (32HORT282)	3
Herbaceous Ornamental Plants II (32HORT379)	3

Landscape Design and Construction (12 credit hours)	**Cr. Hrs.**
Landscape Design I (32HORT195)	3
Landscape Design II (32HORT275)	3
Landscape Construction I (32HORT279)	3

General Business (30 credit hours)*
*Business Management Professional Certificate
or
*Free Enterprise and Entrepreneurship Professional Certificate

English (9 credit hours)	
English Composition I (32ENGL101)	3
English Composition II (32ENGL102)	3
English Compostion III (32ENGL103)	3

Mathematics (8 credit hours)	
Algebra & Trigonometry I (32MATH178)	4
Algebra & Trigonometry I (32MATH179)	4

Information Technology (3 credit hours)	
Computer Applications (32IT101)	3

In addition, students must complete the general education requirements of the University of Cincinnati.

Special Research Topics in Horticulture (3 – 9 credit hours) (32HORT498)
This qualifies as the Capstone Experience

INFORMATION TECHNOLOGY

Bachelor of Science

(Day and Evening)

Associate of Applied Science

(Day and Evening)

Information Technology (IT) focuses on meeting the needs of users within an organizational and societal context through the selection, creation, application, integration and administration of computing technologies. IT encompasses software engineering and development, computer networking and communications, Web technologies, computer security, database management, and digital media technologies. The IT professional is hired by organizations of all sizes in all industries. Students will receive a broad education across the IT spectrum as well as technical specialization in the areas of their choice.

The IT degree at the College of Applied Science offers a Bachelor and Associate degree option in both the day and evening schedules. Co-op experience is a vital part of the IT curriculum; all students will work as a student professional in alternating quarters starting in their second year of study. BS students will co-op five quarters and AS students two quarters.

Students will choose a primary track specialization within IT (Software Development, Networking, or Web Technologies) and BS students will also choose a secondary track specialization (Software Development, Networking, Web Technologies, Database or Digital Media).

Visit *http://it.cas.uc.edu* for the latest curriculum or other information about the IT program at the University of Cincinnati.

First Year	**Aut**	**Win**	**Spr**
Introduction to Information Technology (32IT170)	3		
Computer Programming I,II,III (32IT205,206,207)	3	3	3
Programming Logic & Methods (32IT171)	3		
English Composition I,II,III (32ENGL101,102,103)	3	3	3
Algebra & Trigonometry I,II (32MATH178,179)	4	4	
Fundamentals of Web Development (32IT220)		3	
Computer Hardware (32IT274)		3	
Computational Concepts (32IT200)			3
Introduction to Networking (32IT275)			3
Intro to Co-op (36PD132)			1
	16	16	13

Second Year	**Aut**	**Win/Spr**
System Administration (32IT315)	3	
Introduction to Database (32IT209)	3	
Fundamentals of Speech Communication (32COMM172)	3	
Discrete Math I,II (32MATH271,272)*	4	4*
Fundamentals of Digital Media (32IT230)		3
Information Security and Privacy (32IT313)#		3#
Technical and Professional Writing I (32ENGL341)		3
Primary Track Electives	3	3
General Education Electives		3
	16	15#/16*

*BS students only
#AS students only

Third Year	**Sum/Aut**	**Win/Spr**
Implications of Information Technology (32IT299)	3	
Database Management (32IT309)	3	
Physics for Technology I (32PHYS181)*	3*	
Physics for Technology I Lab (32PHYS186)*	1*	
Primary Track Electives	3	3
General Education Elective#	3#	
Information Security and Privacy (32IT313)*		3*
System Analysis and Design I (32IT301)		3
Science Electives		4
	12#/13*	13

AS students graduate after Autumn Quarter of the Third Year
#AS students only
*BS students only

Fourth Year	**Sum/Aut**	**Win/Spr**
Human Computer Interaction (32IT430)	3	
Technical and Professional Writing II (32ENGL342)		3
Probability and Statistics (32MATH371)		4
Primary Track Electives	3	3
Science Electives	4	
Secondary Track Electives	3	3
Electives	3	3
	16	16

Fifth Year	**Aut**	**Win**	**Spr**
Senior Design (32IT495)	3		
Management in Information Technology (32IT455)	3		
Senior Design Project Management I,II (32IT496,497)		3	3
Senior Design Tech Practicm I, II (32IT493,494)		3	3
Secondary Tract Elective	3		
Advisor Approved IT Electives	3	3	
Primary Track Electives	3		3
General Education Electives		3	3
Electives			3
	15	12	15

Networking Track Electives

(all must be taken by those whose primary track is Networking)
System Administration II (32IT316)
Network Infrastructure Development (32IT317)
Routing & Switching (32IT488)
Network Security (32IT319)
Enterprise Network Administration (32IT411)
Systems Integration (32IT415)
Special Topics in Networking (32IT461)
Computer Forensics (32IT361)

Software Development Track Electives

(all must be taken by those whose primary track is Software Development)

Contemporary Programming I (32IT345)
Contemporary Programming II (32IT346)
Contemporary Programming III (32IT347)
Applied Data Structures & Algorithms (32IT371)
Systems Analysis & Design II (32IT302)
Software Engineering (32IT403)
Programming for Mobile Devices (32IT475)
Special Topics in Software Development (32IT463)

Web Technologies Track Electives

(all must be taken by those whose primary track is Web Technologies)
Client-Side Web Development (32IT321)
Data Representation Technology (32IT322)
Web Administration (32IT354)
Web Server Application Development (32IT420)
Enterprise Web Development (32IT421)
Digital Media in Web Development (32IT432)
E-Commerce (32IT324)
Special Topics in Web Technologies (32IT462)

Database Track Electives

(all must be taken by those whose secondary track is Database)
Business Intelligence (32IT311)
Database Design (32IT477)
Data Administration (32IT480)

Digital Media Track Electives

(all must be taken by those whose secondary track is Digital Media)
Digital Image Development (32IT330)
Digital Audio Development (32IT332)
Digital Video Development (32IT333)

MINOR IN INFORMATION TECHNOLOGY

Undergraduate students in other majors can now obtain a minor in Information Technology. A minor in IT requires 30 credit hours of IT related courses. To apply for a minor, contact the IT department 513-556-5084 or cas*itdep@uc.edu*.

MANUFACTURING ENGINEERING TECHNOLOGY

Associate of Applied Science

(Day and Evening)

The Manufacturing Engineering Technology (MfgET) program is comprised of the processing, automation and quality aspects of manufacturing. The program furnishes the fundamental theoretical foundation with emphasis on manufacturing processes and their applications.

STUDENT STATUS

Students are eligible for admission to the AAS Manufacturing Engineering Technology degree program upon meeting the minimum criteria of the college as well as being in the upper 65 percent of their respective high school graduation classes. Applicants must have achieved a minimum mathematics score of 500 or 20 respectively on the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

Full-time Students (Day)

Manufacturing Engineering Technology is a two-year program earning an associate's degree. Two quarters of cooperative professional practice ("co-op") are mandatory for all full-time students graduating with an associate's degree.

Part-time Students (usually Evening)

Part-time students are not required to co-op or to take the Professional Development course (32PD132). Otherwise, the course work in the day and evening classes is identical. Most students taking degrees through part-time study will attend class three or four nights a week for four or five years to attain the associate's degree. An approved schedule is available in the Mechanical Engineering Technology (MET) Department.

Transfer and Returning Students

An articulation agreement exists for Cincinnati State students. Returning UC students who have worked in related industries may qualify for Academic Credit for Life Experience (ACLE). Both transfer and returning students are encouraged to contact the department head to go over transcripts or processes for ACLE.

PROGRAM INFORMATION

General Studies Core

Students will complete a general studies core program of at least 58 credits in communication arts, humanities, social sciences, global studies, mathematics, physical sciences and computer languages. All general education courses are considered to extend and enhance the student's technical competence.

Humanities/Social Science Courses (H/SS)

All associate's degree students are required to complete six (6) credits in humanities or social science electives. The courses may be selected from the offerings in a wide variety of departments to fulfill individual interests.

CURRICULUM

The Associate of Applied Science degree requires 104 quarter credit hours. Specific degree requirements follow.

EMPLOYMENT

Employment opportunities for associate's degree graduates in manufacturing engineering technology are available in a wide range of industrial fields. Typical jobs include: manufacturing methods analyst, quality technician, and management trainee. Students who maintain satisfactory progress and successfully complete the associate's degree in MfgET may go on to the baccalaureate program in Mechanical Engineering Technology (MET). Should they do so, they will need to make up four courses from the associate's degree curriculum of the MET program.

	Cr. Per Qtr.		
First Year	**Aut**	**Win**	**Spr**
Intro to Co-op (36PD132)		1	
English Composition I,II,III (32ENGL101,2,3)	3	3	3
Algebra and Trigonometry II (32MATH179)	4		
Calculus I (32MATH244)			4
Technical Problem Solving w/MATLAB/EXCEL (32MET160)		3	
Physics for Technology I,II (32PHYS181,2)		3	3
Physics for Technology I,II Laboratory (32PHYS186,7)		1	1
Statics (32MET140)			4
Engineering Design Graph I,II (32MET171,2)	3	4	
Principles of Joining, Machining, Casting & Forming (32MFTN131,2,3)	2	2	2
Principles of Joining, Machining, CAM Applications Laboratory (32MFTN141,2,3)	1	1	1
Humanities/Social Science Elective	3		
	16	18	18

Second Year	**Sum/ Aut†**	**Win/ Spr†**	**Sum**
Calculus II (32MATH245)	4		
Probability and Statistics (32MATH371)		4	
Fundamentals of Chemistry (32CHEM174)	4		
Survey of Economics (32ECON286)			3
Basic Electric Circuits (32ELTN278)		2	
Basic Electric Circuits Laboratory (32ELTN288)		1	
Mechanics of Materials I (32MET241)	4		
Mechanisms (32MET260)		4	
CNC Technology (32MFTN210)	3		
Sequencing & Fixturing (32MFTN214)		3	
Manufacturing Systems Design (32MFTN216)			3
Statistical Quality Control (32MFTN235)			3
Material Science (32MFTN250)		4	
Logic Control (32MFTN260)			4
Fundamentals of Speech Communications (32COMM172)	3		
Humanities/Social Science Elective			3
	16	18	16

* Students may take Fortran Programming I (32IET155) or Programming in C (32IET160).

† Students will be on cooperative professional practice assignment either summer/winter or autumn/spring quarters and will take the classes shown in the alternate schedule.

After successful completion of the required course work listed above, or equivalents accepted by the MET Department, the student may apply for the Associate of Applied Science degree. And, if desired, students may continue on to the Bachelor's in Mechanical Engineering Technology program with only minor deficiencies.

MECHANICAL ENGINEERING TECHNOLOGY

Bachelor of Science
Associate of Applied Science
(Day and Evening)

Mechanical Engineering Technology (MET) is comprised of the hardware- and computer-oriented aspects of mechanical design, manufacturing and energy systems. The program furnishes the fundamental theoretical foundation with emphasis on realistic technical problem solving and projects. Students who maintain satisfactory progress and successfully complete the associate's degree in MET may go on to the baccalaureate program.

STUDENT STATUS

Admission Requirements, AAS Degree

Students are eligible for admission to the Mechanical Engineering Technology AAS degree program upon meeting the minimum criteria of the college as well as being in the upper 65 percent of their respective high school graduation classes. Applicants must have achieved a minimum mathematics score of 500 or 20 respectively on the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

Admission Requirements, BS Degree

Students are eligible for admission to the Mechanical Engineering Technology BS degree program upon meeting the minimum criteria of the college as well as being in the upper half of their respective high school graduation class with a 2.5 or better GPA. Applicants must have achieved a minimum

mathematics score of 560 or 24 respectively on the Scholastic Aptitude Test (SAT) or the American College Test (ACT) and 510/21 verbal.

Full-time Students (Day)

Mechanical Engineering Technology is a two-plus-two program, wherein the associate's degree may be earned in two years, and the bachelor's degree in two additional years.

Cooperative Education

Two quarters of cooperative professional practice (co-op) are mandatory for all full-time Mechanical Engineering Technology students graduating with either an associate's or a bachelor's degree. Most students will complete these two quarters during the associate's degree program, but transfer students may need to fulfill this requirement later in the curriculum. Flexible scheduling allows the student to elect to continue co-op throughout the bachelor's program with six alternating quarters. The optional bachelor's level co-op presents students with lighter academic loads and requires five years to complete. It also assumes local co-op employment since some of the courses are taken during the evenings of co-op quarters. Students wishing to follow this plan should consult their academic adviser or the MET department for details. Commitment to either the two- or six-quarter option is required during the first quarter of attendance in the program.

Part-time Students (usually Evening)

Part-time students are not required to co-op or take the Professional Development course (32PD132). Otherwise, the course work in day and evening classes is identical. Most students taking degrees through part-time study will attend class three or four nights a week for four or five years to attain the associate's degree and another four or five years for the baccalaureate. An approved schedule is available in the Mechanical Engineering Technology Department

Transfer and Returning Students

An articulation agreement exists for Cincinnati State students. Returning UC students who have worked in related industries may qualify for Academic Credit for Life Experience (ACLE). Both transfer and returning students are encouraged to contact the department head to go over transcripts or processes for ACLE.

PROGRAM INFORMATION

Technical Electives (all BS degree students)

All candidates for the bachelor of science degree in MET are required to complete a Technical Specialty Option.

Mechanical Design, Manufacturing, Energy Systems Options: At least three of the four required technical elective courses must be in one selected field; the fourth technical elective may be selected from any course on the approved list. Students should select their option when registering for their first Technical Elective course. No Academic Credit for Life Experience will be granted for technical elective courses.

The following departmental technical electives will satisfy the above Technical Specialty Option requirements for the BS degree. Most MET technical electives are offered in winter or spring quarters only, and many of the approved electives are offered on an alternating year schedule. Students are advised to consult with their academic adviser about technical elective selection.

(D=Mechanical Design; E=Energy Systems; M=Manufacturing)

Environmental Law and Regulation (32CHEM470)	D	E	M
Solar Heating and Cooling (32MET325)		E	
Geometric Dimension and Tolerancing (32MET372)	D		M
Integrated CAD/CAM (32MET375)	D		M
Fundamentals of Packaging Technology (32MET380)	D	E	M
Fundamentals of Intellectual Properties (32MET392)	D	E	M
Advanced Topics by International Visitor (32MET395)	D	E	M
Power Plant Technology (32MET420)		E	
Energy Systems (32MET421)		E	
Combustion Engines (32MET425)		E	
Fundamentals of Nuclear Energy (32MET426)		E	
Turbomachinery (32MET435)	D	E	
Mechanical Vibrations (32MET440)	D		
Experimental Stress Analysis (32MET444)	D		
Applied Finite Elements (32MET472)	D		
Advanced Mechanical Design Technology (32MET475)	D		
Packaging Machinery (32 MET480)	D	E	M
Statistical Quality Control (32MFTN235)	D	E	M
Six Sigma (32MFTN335)	D	E	M
Engineering Plastics (32MFTN345)	D	E	M
Plastics Processing (32MFTN347)			M
Product and Production Planning (32MFTN430)	D		M
CIM Systems Management (32MFTN431)	D		M
Materials Handling (32MFTN483)			M
International Manufacturing Studies Series (32 MFTN497)	D	E	M
Advanced Manufacturing Systems (32 MFTN580)			M
Problems in Manufacturing Management (32 MFTN596)			M
Joining Theory and Practice (32 WLTN 430)			M

Technical Communications Options: The option in Technical Communications will be jointly recognized by the Mechanical Engineering Technology and the Humanities departments. Students completing all requirements for the Certificate in Technical and Professional Communications may apply the course work as their Technical Specialty Option for the BS in MET. Seven courses (three additional) are required for this option and certificate.

The required courses are:

- Technical and Professional Writing I,II (32ENGL341,2)
- Technical and Professional Presentations (32COMM371)
- Psychology of Work Teams (32PSYC371)
- Energy Systems (32MET421)
- Engineering Plastics (32MFTN345) and
- One other Technical Elective from 32MET or 32MFTN

Course descriptions for these approved technical electives may be found in the university's *Course Descriptions* publication.

General Studies Core

Students will complete a general studies core program of at least 90 credits in communication arts, humanities, social sciences, global studies, mathematics, physical sciences, computer languages and professional ethics. All general education courses (and global studies in particular) are considered to extend and enhance the student's technical competence.

Humanities/Social Science Courses (H/SS)

All associate's degree students are required to complete a three (3) credit elective in humanities or social science. All BSMET students are required to complete an additional 12 credits of upper division (3xx or 4xx course numbers) electives in humanities and social sciences. These courses may be selected from the offerings in a wide variety of departments to fulfill individual interests.

Global Studies

Six credits are required in global studies electives. These courses must be selected from a list of those recommended (see your adviser). The nature of the course is to enhance understanding of cultural differences and increase opportunities for the student in companies with global operations.

Curriculum

The Associate of Applied Science degree requires 102 quarter credit hours; the Bachelor of Science degree requires an additional 98 quarter credit hours. Specific degree requirements follow. The undergraduate curriculum includes a General Education program that encourages students to explore beyond their chosen major or discipline. Please see page 48 for additional details.

Projects

Projects are a major part of the MET curriculum. For the associate's degree, the project is Design of Machine Elements (32MET270), in which students are assigned a problem in synthesis of mechanical design elements of moderate complexity. For the bachelor's degree, the sequence of Senior Seminar, Senior Design Project I,II and Senior Design Communications (32MET491, 492, 493 and 32ENGL493) constitute a capstone experience in which students propose, design, build and test projects of substantial technological significance. The corequisite English course (32ENGL493) is considered an integral portion of the MET senior capstone experience. Students must demonstrate the achievement of senior standing in MET in order to be eligible to undertake the project sequence.

Employment

Employment opportunities for both associate's and baccalaureate graduates are available in a wide range of industrial fields. Typical jobs for graduates with an associate's degree include: designer/drafter, test technician, quality inspector, engineering aide, and manufacturing management trainee. Baccalaureate graduates are prepared to accept positions requiring a greater measure of technical expertise and responsibility. Typically, such employment would include responsible positions in engineering disciplines of design, testing, field installation, and first line manufacturing management in virtually every industry. Students are asked to consult with their adviser for the five-year co-op option.

	Cr. Per Qtr.		
First Year	**Aut**	**Win**	**Spr**
Intro to Co-op (36PD132)		1	
English Composition I,II,III (32ENGL101,2,3) BOK-Eng. Comp.	3	3	3
Algebra and Trigonometry II (32MATH179)	4		
Calculus I (32MATH244) BOK-QR			4
Physics for Technology I,II (32PHYS181,2) BOK-NS		3	3
Physics for Technology I,II Laboratory (32PHYS186,7)		1	1
Statics (32MET140)			4
Technical Problem Solving w/MATLAB/EXCEL (32MET160)		3	
Engineering Design Graph I,II (32MET171,172)	3	4	
Principles of Joining, Machining, Casting & Forming (32MFTN131,2,3)	2	2	2
Principles of Joining, Machining, CAM Applications Laboratory (32MFTN141,2,3)	1	1	1
H/SS-General Education Elective BOK-HP (200-level)	3		
	16	18	18

Second Year	Sum/ Aut†	Win/ Spr†	Sum
Calculus II (32MATH245) BOK-QR	4		
Fundamentals of Chemistry (32CHEM174)	4		
Survey of Economics BOK-SS (32ECON286)			3
Basic Electrical Circuits (32ELTN278)		2	
Basic Electrical Circuits Laboratory (32ELTN288)		1	
Introduction to Thermosciences (32MET210)	4		
Thermodynamics (32MET215)			4
Mechanics of Materials I,II (32MET241,242)	4	4	
Mechanisms (32MET260)		4	
Design of Machine Elements (32MET270)			5
Materials Science I (32MFTN250)		4	
Logic Control (32MFTN260)			4
Fundamentals of Speech Communications (32COMM72) BOK-HU	3		
	19	15	16

* Students may take Fortran Programming I (32IET155) or Programming in C (32IET160).

† Students will be on cooperative professional practice assignment either summer/winter or autumn/spring quarters and will take the classes shown in the alternate schedule.

After successful completion of the required course work listed above, or equivalents accepted by the MET Department, the student may apply for the Associate of Applied Science degree. Students who maintained satisfactory progress may go on to the baccalaureate program.

Third Year	Cr. Per Qtr. Aut	Win	Spr
Probability and Statistics (32MATH371)		4	
Advanced Technical Calculus (32MATH381)	4		
Electronic Fundamentals (32ELTN381)	3		
Electronic Fundamentals Laboratory (32ELTN391)	1		
Numerical Analysis (32MET302)			4
Heat Transfer (32MET315)			4
Fluid Mechanics (32MET330)		4	
Dynamics (32MET340)	5		
Motion Control (32MET350)			4
Mechanical Design (32MET370)		4	
Topics in Professional Responsibility (32MET390)		3	
Global Studies Elective-Gen. Ed-BOK-DC	3		
H/SS-Gen. Education BOK-LT (300-level)		3	
Technical Elective		3	3
	16	18	18

Fourth Year	Aut	Win	Spr
Senior Design Communications (32ENGL493)			3
Economic Analysis (32ECON386) BOK-SS	3		
Thermal Environmental Systems (32MET415)	4		
Product Development (32MET470)	4		
Senior Seminar (32MET491) BOK-Meth	3		
Senior Design Project I,II (32MET492,493) BOK-Capstone		4	3
Manufacturing Automation (32MFTN460)	4		
Global Studies Elective		3	
H/SS Elective-Gen. Education BOK-FA (300-level)		3	
H/SS Elective-Gen. Education BOK-Any (300-level)		3	
H/SS Elective-Gen. Education BOK-Any (300-level)			3
Technical Electives		3	3
	18	16	12

Non-Degree Programs

Students interested in pursuing certificate or craftsmanship programs should complete an "Application for Certificate Program" available in the college. Students wishing to earn a certificate from the college must take 50 percent of the required course work offered by the OMI College of Applied Science.

SPECIAL PROGRAMS

Technology Access Program

One-Year Curriculum

This one-year program is designed to provide for the needs of high school graduates who wish to obtain the proper preparation to qualify for admission to an associate or baccalaureate degree program. It is also a valuable program for those who graduated from high school several years ago and now wish to continue their education. Successful completion of this three-quarter program with faculty recommendation will guarantee admission into an engineering technology program. The admission requirement for this preparatory program is high school graduation or its equivalent.

Autumn Quarter	Cr. Hrs.
Study Skills & Problem Solving (32ENGL071)	4
Preparatory Composition (32ENGL099)	3

Introduction to Technical Math I (32MATH021)	4
Introduction to Computers (32IET010)	4
	15

Winter Quarter	**Cr. Hrs.**
English Composition I (32ENGL101)	3
Introduction to Technical Math II (32MATH022)	4
Preparatory Physics I (32PHYS020)	3
Elective	3-4
	13-14

Spring Quarter	
English Composition II (32ENGL102)	3
Introduction to Technical Math III (32MATH023)	4
Preparatory Physics II (32PHYS021)	3
Elective	3-4
	13-14

Optional Courses/Electives	
Introduction to Chemistry I (32CHEM021)	4
Introduction to Chemistry II (32CHEM022)	4
Fundamentals of Speech Communications (32COMM172)	3
General Psychology (32PSYCH171)	3

Note: All students will be assigned a schedule of classes based on test results, prerequisites, and their desired program degree objective. All student schedules require departmental approval.

Pre-Engineering Transfer Program
One-Year Curriculum

The College of Applied Science (CAS) and the College of Engineering (CoE) offer a joint program designed to facilitate entrance into Bachelor of Science programs in both colleges. This program is designed to ensure that students have the background and the support needed to succeed in the engineering/technology disciplines. Each student will develop a career plan and will work closely with an adviser to ensure that adequate progress will be made at the end of each quarter. Adjustments and changes will be made to student schedules to facilitate progress and to ensure the success of each student.

Students who successfully complete this one-year program with a 2.75 GPA or higher will be granted acceptance into their selected degree program — in either college. There is a maximum of two years allowed to complete the courses listed in the program in order to be guaranteed admission to the CoE.

Each college will review students who have not maintained a 2.75 GPA for possible admission into degree programs.

Autumn Quarter	**Cr. Hrs.**
Algebra and Trigonometry (32MATH178)	4
Chemistry (32CHEM131)	5
English Composition I (32ENGL101)	3
Introduction Engineering/Tech. (32ENFD101)	2

Winter Quarter	
Algebra & Trigonometry II (32MATH179)	4
English Composition II (32ENGL102)	3
Physics for Tech. I (32PHYS181)lec. & (32PHYS186)lab	4
Micro Comp. I (32IET121)	3

Spring Quarter	
Calculus I (32MATH244)	4
Physics for Tech. II (32PHYS182)lec & (32PHYS187)lab	4
General Psychology (32PSYC171)	3
Technology Elective	3-4

BUSINESS MANAGEMENT CERTIFICATE

This one-year certificate option is designed for those students who:

1. Possess a bachelor's degree, or
2. Are matriculated in a bachelor's degree program.

Required courses:	**Cr. Hrs.**
Introduction to Business (32-BA-171)	3
Accounting concepts I (32-ACCT-246)	3
Accounting for Decision Making (32-ACCT-271)	3
Business Law II (32-BLAW-272)	3
Marketing (32-MKTG-275)	3
Business Finance (32-FIN-371)	3
Introduction to Management (32-MGMT-261)	3
Approved Business Elective*	3 (4)
	24(25)

* Approved Business Elective
- Accounting Concepts II (32-ACCT-246)
- Business Law I (32-BLAW-271)
- Survey of Investments (32-FIN-372)
- Human Resource Management & Supervision (32-MGMT-385)
- Labor Relations & Collective Bargaining (32-MGMT-383)
- Management Theory (32-MGMT-371)
- Small Business Management (32-MGMT-375)
- Advertising (32-MKTG-371)
- Personal Selling (32-MKTG-373)
- Applied Business Statistics (32-STAT-231) - 4 cr. hrs.
- Business Computer Applications (32-IT-141)

*Course must be approved by academic advisor.

FREE ENTERPRISE AND ENTREPRENEURSHIP PROFESSIONAL CERTIFICATE

This one year certificate option is designed for those students who:

1. Possess a bachelor's degree, or
2. Are matriculated in a bachelor's degree program

Required courses:	**Cr. Hrs.**
Survey of Economics (32ECON286)	3
Economics Analysis (32ECON386)	3
Ethics & Social Issues in the Workplace (32PHIL371)	3
Business Law I (32BLAW271)	3
Marketing (32MKTG275)	3
Advertising (32MKTG371)	3
Personal Selling (32MKTG373)	3
Directed Studies in Free Enterprise (32MGMT290)	3
Accounting Concepts I (32ACCT245)	3
Small Business Management (32MGMT271)	3
Business Computer Applications (32IT141)	3
	33

HORTICULTURE CERTIFICATES

The Horticulture Program offers three certificates available to individuals who desire to upgrade skills, enhance the marketability of a current degree, or to prepare for a career change but do not need the bachelor's degree. A certificate is awarded for successful completion of ten courses in the desired certificate area. Courses completed in the certificates also apply toward the bachelor's degree.

Horticulture Certificate

Required Courses:	**Cr. Hrs.**
Horticulture Science I (32HORT187)	3
Horticulture Science II (32HORT188)	3
Horticulture Science III (32HORT189)	3
Herbaceous Ornamental Plants I (32HORT278)	3
Woody Ornamental Plants I (32HORT281)	3
Any combination of Horticulture courses from any of the four areas of Horticulture Science, Plant Health, Plant Materials and Management and Landscape Design and Construction.	15
Total credit hours	30

Landscape Design Certificate

Required Courses:	**Cr. Hrs.**
Horticulture Science I (32HORT187)	3
Horticulture Science II (32HORT188)	3
Horticulture Science III (32HORT189)	3
Landscape Design I (32HORT195)	3
Landscape Design II (32HORT275)	3
Landscape Design III (32HORT441)	3
Herbaceous Ornamental Plants I (32HORT278)	3
Woody Ornamental Plants I (32HORT281)	3
plus any two of the following courses:	
Interior Plantscape (32HORT235)	3
Woody Ornamental Plants II (32HORT282)	3
Woody Ornamental Plants III (32HORT331)	3
Herbaceous Ornamental Plants II (32HORT379)	3
Total credit hours	30

Turf grass and Grounds Management Certificate

Required Courses:	**Cr. Hrs.**
Horticulture Science I (32HORT187)	3
Horticulture Science II (32HORT188)	3
Horticulture Science III (32HORT189)	3
Turf grass Management (32HORT277)	3
Woody Ornamental Plants I (32HORT281)	3
Soil Science (32HORT286)	3
Advanced Turf grass Management (32HORT378)	3
plus any three of the following courses:	
Landscape Design I (32HORT195)	3
Plant Pathology (32HORT276)	3
Entomology (32HORT285)	3
Horticultural Microbiology (32HORT312)	3
Integrated Landscape Management (32HORT434)	3
Total credit hours	30

TECHNICAL AND PROFESSIONAL COMMUNICATION CERTIFICATE

The Certificate in Technical and Professional Communication focuses on the development of written, graphic, digital and interpersonal communication skills. The interdisciplinary program is geared toward technologists as well as writers and managers who need to understand and apply new technology.

Required Courses	**Cr. Hrs.**
Technical and Professional Writing I,II (32ENGL341,2)	6

Technical and Professional Presentations (32COMM371) *or* Technical Publications (32ENGL370)	3
Managerial Psychology (32PSYC373) or Psychology of Work Teams (32PSYC371)	3
Managerial Communication (32COMM341)	3
Graphics I,II (32COMM382,384)	6
Approved electives	9
	30

INDUSTRIAL ELECTRICITY

Craftsmanship Program

First Year	**Cr. Hrs.**
Fundamentals of Electricity (32EETN016,7,8)	9
Electrical Wiring (32EETN019,20,1)	9
Second Year	
Electrical Equipment and Maintenance (32EETN004,5,6)	9
Industrial Control Circuits (32EETN025,6,7)	9
	36

INDUSTRIAL HVAC

Craftsmanship Program

Curriculum	**Cr. Hrs.**
Trade Math I (32MATH033) *or* Intro to Tech Math I (32MATH021)	4
Fundamentals of Electricity (32EETN016,017,018)	9
Industrial Control Circuits (32EETN025,026,027)	9
Refrigeration I,II (32HVAC031,032)	6
HVAC Equipment I,II (32HVAC041,042)	6
Stationary Engineering I,II (32HVAC011,012)	6
Industrial Blueprint Reading (32MET070)	3
	43

INFORMATION TECHNOLOGY CERTIFICATE PROGRAMS

The College of Applied Science is offering certificate programs in Information Technology. The purpose of these certificates is to provide the new skills required in today's rapidly changing and increasingly competitive business environment. Rapid changes in information technology have resulted in an increased demand for new sources of up-to-date knowledge. These new certificates are targeted at increasing the overall information technology effectiveness within a business organization.

The Information Technology certificate programs are designed to provide a comprehensive set of skills for employees in their present positions or in preparation for new assignments and roles.

Certificate Requirements

Admission to the OMI College of Applied Science Information Technology Certificate Programs is by application and permission of the director of the program.

For more information or to apply for a certificate, contact the IT department 513-556-5084 or cas*itdep@uc.edu*.

IT Course Registration

You can register for courses online, by mail or fax.

For current information on these certificate programs and links to online university course registration and payment procedures, please visit the OCAS web site: *http://it.cas.uc.edu*

To receive a printed information technology certificate (suitable for framing), a written request must be submitted to the academic director within one year of program completion, accompanied by a transcript or grade reports confirming successful completion of the required courses. All required courses must be completed within a two-year period from date of acceptance into the program.

Database Certificate

This certificate is intended to provide an in-depth understanding of database technologies. It is ideal for new or existing database administrators and data administrators. This certificate covers the full spectrum of database topics in order to prepare students and practitioners to be knowledgeable in database concepts, terminology, design methods and techniques. The following courses are being suggested as a template. Students can design their own learning path with the agreement of the department.

- 32IT205 Computer Programming I
- 32IT206 Computer Programming II
- 32IT209 Introduction to Database
- 32IT275 Introduction to Networking
- 32IT301 Systems Analysis and Design I
- 32IT309 Database Management
- 32IT313 Information Security and Privacy
- 32IT385 Data Warehousing
- 32IT386 Data Mining
- 32IT480 Database Administration

Networking Certificate

This certificate has been specifically designed to provide the participants with a practical understanding of networking. It is intended for local area network administrators and network administrators and covers the practical day-to-day

issues necessary to allow effective operation and management of networks. The participants will learn the components of a network, how the components of a network should be designed, selected and implemented as well as how information is moved throughout a network. The following courses are being suggested as a template. Students can design their own learning path with the agreement of the department.

- 32IT205 Computer Programming I
- 32IT209 Introduction to Database
- 32IT274 Computer Hardware
- 32IT275 Introduction to Networking
- 32IT313 Information Security and Privacy
- 32IT315 System Administration I
- 32IT316 System Administration II
- 32IT317 Network Infrastructure Development
- 32IT319 Network Security
- 32IT488 Routing and Switching

Software Development Certificate

This certificate is designed to provide extensive experience in all aspects of software development. It is intended for programmers, analysts, systems analysts and software engineers at all levels to accelerate their skills development. This certificate provides a strong foundation in software development with an emphasis on systems analysis and design, coding, testing and project management. The following courses are being suggested as a template. Students can design their own learning path with the agreement of the department.

- 32IT205 Computer Programming I
- 32IT206 Computer Programming II
- 32IT207 Computer Programming III
- 32IT209 Introduction to Database
- 32IT220 Fundamentals of Web Development
- 32IT275 Introduction to Networking
- 32IT301 Systems Analysis and Design I
- 32IT313 Information Security and Privacy
- 32IT345 Contemporary Programming I
- 32IT346 Contemporary Programming II

Webmaster Certificate

This certificate provides the core skills to become a proficient Webmaster. The certificate program includes a survey of Intranet/Internet Web software, development concepts, languages and tools for effective implementations. Participants will learn web page and site design, multimedia concepts, web server administration, configuration, maintenance, database administration and information policy concepts including security and intellectual property. This is a vendor neutral certification program.The following courses are being suggested as a template. Students can design their own learning path with the agreement of the department.

- 32IT205 Computer Programming I
- 32IT206 Computer Programming II
- 32IT207 Computer Programming III
- 32IT209 Introduction to Database
- 32IT220 Fundamentals of Web Development
- 32IT275 Introduction to Networking
- 32IT313 Information Security and Privacy
- 32IT315 System Administration I
- 32IT321 Client-Side Web Development
- 32IT322 Data Representation Technology

MACHINE TOOL OPERATIONS

Craftsmanship Program

	Cr. Hrs.
Trade Math I,II (32MATH033,034)	8
Industrial Blueprint Reading (32MET070)	3
Inspection (32MFTN050)	3
Lathe and Drill Fundamentals (32MFTN055)	3
Lathe and Drill Operations (32MFTN056)	3
Mill and Grind Fundamentals (32MFTN057)	3
Mill and Grind Operations (32MFTN058)	3
Departmental Certificate	26

CNC Machining

CNC lathe Programming (32MFTN065)	3
CNC Mill Programming (32MFTN066)	3
Departmental Certificate	32

Computer Aided Design Drafting

Basic CAD/2D (32MET061)	3
Advanced CAD/3D 932MET062)	3
	38

Optional **Computer Aided Manufacturing** group can replace the Computer Aided design Drafting group to complete the Machine tool Operations Certificate.

CAM Profile (32MFTN067)	3
CAM Surface (32MFTN068)	3
	6

MANUFACTURING PROCESSES

Technology Certificate Program

The Professional Certificate in Manufacturing Processes is an evening program designed for the individual who has a Bachelor of Science, or equivalent, in mechanical, materials, industrial, electrical, aeronautical/aerospace, or civil engineering technology or engineering. This program is designed to provide manufacturing decision-makers and other industrial/manufacturing professionals with a rigorous formal education

in manufacturing processes. Individuals currently working in this area can use the certificate program to upgrade their skills in modern manufacturing technology.

Individuals seeking this certificate should be current in mathematics (trigonometry, algebra, statistics) and computer programming (at least one of the following: BASIC, FORTRAN, Pascal, C). Review courses in algebra, trigonometry, and programming are available for students who wish to brush-up before entering the program.

Students should work with a faculty adviser to plan a course schedule best suited to their needs and experience.

This certificate can be achieved in six (6) quarters on a part-time basis.

Credits earned in this program are also applicable to the associate's degree program in Manufacturing Engineering Technology.

MANUFACTURING PROCESSES

Professional Certificate Program

Required Courses	**Cr. Hrs.**
Machining Processes (32MFTN009)	2
Casting and Forming Processes (32MFTN012)	2
Joining Processes & Eng. Materials (32MFTN013)	2
Machining Laboratory (32MFTN021)	3
CNC Laboratory (32MFTN022)	3
Welding Laboratory (32MFTN023)	3
Manufacturing Processes Tech. I (32MFTN014)	3
Manufacturing Processes Tech. II (32MFTN015)	3
Statistical Quality Control (32 MFTN079)	3
CNC Systems (32WLTN023)	3
	27

OPEN LEARNING FIRE SERVICE

Non-degree seeking students may pursue a certificate program. A certificate of completion, co-signed by the National Fire Academy and the University of Cincinnati, is awarded for successful completion of six (6) National Fire Academy Distance Learning courses. These courses may be applied later toward a degree.

PLANT MAINTENANCE

(Craftsmanship Program)

Curriculum	**Cr. Hrs.**
Trade Math I (32MATH033) *or* Tech Math I (32MATH021)	4
Fundamentals of Electricity (32EETN016,017,018)	9
Electrical Wiring (32EETN019,020,021)	9
Stationary Engineering I,II (32HVAC011,012)	6
Refrigeration I (32HVAC031)	3
Instrumentation I (32HVAC051)	3
Plumbing Systems (32HVAC060)	3
Industrial Blueprint Reading (32MET070)	3
College Certificate	40

STATIONARY STEAM ENGINEER'S LICENSE

In concurrence with Ohio House Bill 428, permission to take an examination for stationary steam engineer's license requires:

A. 1000 hours practical experience as a steam engineer, oiler, boiler operator, boiler operator's helper, or boiler repair person experienced with duties that pertain to the operation of steam reciprocating engine, turbine, or boiler.
B. Successful completion of the following courses:

	Cr. Hrs.
Stationary Engineering I (32 HVAC 011)	3
Stationary Engineering II (32 HVAC 012)	3
Stationary Engineering III (32 HVAC 013)	3
Stationary Engineering IV (32 HVAC 014)	3

In concurrence with Ohio House Bill 428, permission to take an examination for high pressure boiler's license requires:

A. 1000 hours practical experience as a steam engineer, oiler, boiler operator, boiler operator's helper, or boiler repair person experienced with duties that pertain to steam boiler operation.
B. Successful completion of the following courses:

Stationary Engineering I (32HVAC011)	3
Stationary Engineering II (32HVAC012)	3
Stationary Engineering III (32HVAC013)	3

WELDING

Craftsmanship Program

Curriculum	**Cr. Hrs.**
Trade Math I (32MATH033) or Intro to Tech Math I (32MATH021)	4
Welding (32WLTN02*,03*,04*,05*)†	27

Industrial Blueprint Reading (32MET070)	3
College Certificate	34

* Alternate offering of course

† **NOTE:** Courses listed as "Welding" should include a mix of SMAW (32WLTN03*), Oxy-Fuel (32WLTN04*), and GTAW/GMAW (32WLTN02*/32WLTN05*) as appropriate to the students' skill level and career objectives.

WOOD TECHNOLOGY

Craftsmanship Program

This program is for serious woodworkers, young or old, novice or experienced, who want to develop their skills and wood-working knowledge.

Curriculum

Basic	**Cr. Hrs.**
Cabinet/Furniture Construction I-A,B,C (32CBMK001,002,003)	6
Cabinet/Furniture Construction II-A,B,C (32CBMK004,005,006)	6
Cabinet/Furniture Construction III-A,B,C (32CBMK007,008,009)	6
Wood Turning I,II,III (32CBMK073,074,078)	6
	24

Advanced	
Cabinet/Furniture Construction IV-A,B,C (32CBMK021,022,023)	12
Wood working for Crafters I,II,III (32CBMK030,031,032)	6
Windsor Chair Construction I,II,III (32CBMK040,041,042)	6
Wood Technology: Understanding Wood* (32CBMK070)	2
Woodworking Techniques* (32CBMK071)	2
Wood Finishing* (32CBMK072)	2
Wood Carving I,II,III (32CBMK075,076,077)	6
	36

Total Credit Hours	**60**

*Offered alternate year.

General University Information

The University of Cincinnati in Brief

The University of Cincinnati traces its origins to 1819, the year of the founding of the Cincinnati College and the Medical College of Ohio. In 1870, the city of Cincinnati established the University of Cincinnati, which later absorbed the earlier institutions. UC became a state university in 1977.

The University of Cincinnati has established a continuing reputation for excellence in graduate and undergraduate education, cultural services and basic and applied research. Since its 1819 founding, UC has been the source of many contributions to society, including the oral polio vaccine, the first program of cooperative education, the first electronic organ, the first safe anti-knock gasoline and the first antihistamine. In recent years, UC has gained international attention for studies on the vibration analysis of structures, the chemistry of surfaces and laser brain surgery.

Located on five campuses, the University of Cincinnati today serves more than 33,000 students through 17 colleges and divisions offering hundreds of degree programs from the associate to the doctoral level.

An outstanding feature of many of UC's colleges is the cooperative education, or "professional practice," program. This program was first offered in the United States at UC in 1906. The program allows students the opportunity to alternate academic quarters of classroom instruction and salaried, on-the-job experience. Today, UC's 4,100 co-op students work in 40 states and six foreign countries for 1,300 employers.

The University of Cincinnati is a stimulating environment that has produced some exceptional people. Among past or present faculty and alumni are: President and later Chief Justice William Howard Taft; prima ballerina and ballet director Suzanne Farrell; Nobel Peace Prize recipient Charles G. Dawes; Albert Sabin, developer of the oral polio vaccine; Doris Twitchell Allen, founder of Children's International Summer Village; Cleveland Abbe, whose work at UC led to the National Weather Service; opera stars Kathleen Battle, Barbara Daniels and Mark Oswald; authors Thomas Berger *(Little Big Man, Neighbors)* and Jonathan Valin *(The Lime Pit, Final Notice);* Eula Bingham, environmental scientist and head of OSHA; Marylin Gaston, assistant surgeon general; sports greats Sandy Koufax, Oscar Robertson, Jack Twyman and Tony Trabert; architect Michael Graves; artist Tom Wesselman; Tony Award winner Faith Prince; actor David Canary; and Broadway stars Lee Roy Reams and Michelle Pawk.

UC is accredited by the North Central Association of Colleges and Schools. It is a member of the National Commission on Accrediting and is recognized by the Ohio State Department of Education.

COLLEGES AND ACADEMIC UNITS

College of Allied Health Sciences
College of Applied Science
McMicken College of Arts and Sciences
College of Business
Clermont College
College-Conservatory of Music
College of Design, Architecture, Art and Planning
College of Education, Criminal Justice and Human Services
College of Engineering
The Graduate School
College of Law
College of Medicine
College of Nursing
College of Pharmacy
Division of Professional Practice
Raymond Walters College
School of Social Work

BOARD OF TRUSTEES AND ADMINISTRATIVE OFFICERS

Board of Trustees

Listed below are the names of present members of the Board of Trustees of the university, with the date of expiration of each trustee's term.

Thomas H. Humes, 2007
Phillip R. Cox, 2008
Anant R. Bhati, 2009
Jeffrey L. Wyler, 2010
H.C. Buck Niehoff, 2011
Sandra W. Heimann, 2012
Gary Heiman, 2013
Margaret E. Buchanan, 2014
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Officers of the Board of Trustees

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Jeffrey L. Wyler, Vice Chairperson
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Gregory J. Vehr, BA, Vice President for Governmental Relations and University Communications
James E. Wesner, JD, Interim General Counsel and Vice President for Legal Affairs

UNIVERSITY MISSION

The University of Cincinnati is a public comprehensive system of learning and research. The excellent faculty have distinguished themselves worldwide for their creative pedagogy and research, especially in problem solving and the application of their discoveries.

The university system is designed to serve a diverse student body with the broad range of interests and goals. It is a place of opportunity.

In support of this mission, the University of Cincinnati strives to provide the highest quality learning environment, world-renowned scholarship, innovation and community service and to serve as a place where freedom of intellectual interchange flourishes.

Admission

The University of Cincinnati offers admission opportunities in a wide range of academic, professional and career education programs. The university requires that students who graduated from high school in 1986 and thereafter who wish to earn a baccalaureate degree present the following high school units:

4 units of college-preparatory English
3 units of college-preparatory mathematics
2 units of science
2 units of social science
2 units of a single foreign language
1 unit of fine arts
2 additional units of any of the above

Students who have been admitted with deficiencies in the above requirements will be notified of that fact in acceptance materials sent to them by the Office of Admissions.

Further information regarding admission may be found in the front of this *Bulletin* and the separately published viewbook.

Transfer

The Ohio Board of Regents, following the directive of the Ohio General Assembly, developed a statewide policy to facilitate students' ability to transfer credits from one Ohio public college or university to another in order to avoid duplication of course requirements. To learn more about the Ohio Board of Regents Articulation & Transfer Policy, visit www.regents.state.oh.us/transfer/.

TRANSFER MODULE

The Ohio Board of Regents has established the Transfer Module, which is a specific set of courses from a college or university's general education requirements. The Transfer Module contains 54-60 quarter hours (or 36-40 semester hours) of course credits.

A Transfer Module completed at one public college or university will automatically meet the requirements of the Transfer Module at the receiving institution, after the student has been accepted. Students may be required to meet additional general education requirements that are not included in the Transfer Module. Since private colleges and universities in Ohio may or may not be participating in the Transfer Module policy, students are encouraged to check with the college of their choice regarding their transfer agreements. To view UC's Transfer Module, please visit www.admissions.uc.edu/transfer/UC_TransferModule.pdf.

ACCEPTANCE OF TRANSFER CREDIT

Here are some general points to understand about transfer credit:

- In order for transfer credit to be awarded, institutions you have attended must be accredited by one of six national accrediting agencies:
  - Middle States Association of Colleges and Schools
  - North Central Association of Colleges and Schools

- New England Association of Schools and Colleges
- Northwest Association of Schools and Colleges
- Southern Association of Colleges and Schools/ Commission on Colleges
- Western Association of Schools and Colleges

• You can check your school's accreditation online at www.chea.org.

• General education requirements such as math, English, history and so on will usually transfer to a direct equivalent.

• For credit to transfer, you must have earned at least a C-minus grade, an associate degree or, if the course was taken in fall 2005 or later, a D grade or better.

• Your GPA from other institutions does not transfer to UC. Your UC GPA is based only on coursework completed at UC.

• If you have already earned a great many credits at another institution, you still have to meet UC's residency requirements, which usually means at least two years of coursework. To receive a bachelor's degree from UC, around 65 credits must be earned here.

• UC operates on a quarter academic calendar. One semester credit equals 1.5 quarter credits. For example, 10 semester credits transfer as 15 quarter credits.

RESPONSIBILITIES OF STUDENTS

In order to transfer with maximum applicability of transfer credit, prospective transfer students must plan a course of study to meet the requirements (both academic and non-academic) of the institution they wish to transfer into. Planning for transfer should begin as early as possible. Delays in developing and following an appropriate plan or changing one's plan (e.g. changing majors) may reduce the applicability of transfer credit to the degree program ultimately selected. To view the complete list of student responsibilities, visit the transfer Web pages at: www.admissions.uc.edu/transfer. An abbreviated list is provided below.

The prospective transfer student should:

- Seek out program/degree and transfer information and an adviser
- Be aware that a change in major will most likely reduce the number of credits which can be applied to the new major
- Understand the policies and procedures of the transfer institution, including application fees, transfer admission, course transfer, financial aid, scholarship, housing and related deadlines.

APPEALS PROCESS

The appeals policy, in compliance with Ohio Board of Regents (OBR) Articulation & Transfer Policy, provides transfer students the ability to appeal, at multiple levels within the university, when disagreement occurs regarding the application of transfer credit toward degree requirements. To view the written policy and appeals form, visit the transfer Web pages at: www.admissions.uc.edu/transfer.

Fresh Start Policy

The purpose of the Fresh Start policy is to permit a student who performed poorly upon initial enrollment at UC to have an opportunity for a fresh cumulative grade point average.

This policy applies to UC undergraduate students who, after completing no more than four quarters, had a cumulative GPA of less than 2.0, and then were readmitted to the university after an absence of at least three years. These students may petition the deans of their college to have their former courses treated in accordance with the college's advanced standing policy. Upon the approval of a Fresh Start, the student's cumulative grade point average is initiated from the date of reentry. The credit granted for prior work is subject to the age of credit limits and degree requirements established by the student's college at the time of readmission.

A request for a Fresh Start must be submitted within one year of readmission and applies only to courses taken at UC before readmission. Fresh Start will not be reviewed or approved prior to completion of one quarter. An academic Fresh Start is not automatic and it is not guaranteed. Academic units may impose additional criteria, such as requiring a plan of study. The Fresh Start option may be effected only once during a student's academic career.

NOTE: Approval of a Fresh Start will be recorded on the transcript. However, students should be aware that the previous academic record will appear on the transcript and that most graduate and professional schools, as well as potential employers, may average all academic records together.

Applications for a Fresh Start may be obtained from the office of the student's degree-granting unit and will be considered in accordance with procedures and any additional guidelines of that unit. Degree-granting units may not grant a Fresh Start to any student who fails to satisfy the above criteria. If a request for a Fresh Start is denied by the student's college, the student may file an appeal with the University Grading Appeals Panel through the Office of the Registrar. If a request for a Fresh

Start is supported by the college but the student fails to meet one or more of the minimum criteria, the college may refer the application to the advisory committee.

University Honors Scholars Program

The University Honors Scholars Program comprises 2,200 academically talented and motivated students who want the most from their college experience. Students who are accepted for admission to any undergraduate college at the university may apply to the Honors Program.

The Honors Scholars Program enriches the educational experience of students through coursework and out-of-class experiences. In particular, Honors students have the opportunity to focus on leadership, global studies, community engagement, research and creative arts and/or interdisciplinary studies.

Honors courses mesh with major and general education requirements so students can graduate as Honors Scholars without completing extra courses. Special topics courses allow Honors students to broaden their intellectual horizons regardless of the discipline in which they are majoring. Students may earn Honors credit through experiential learning. Honors students may earn Honors Certificates in Leadership, Global Studies, Community Engagement and Research and Creative Arts.

Honors housing provides Honors students with a close-knit and supportive environment. Students also have the opportunity to participate in special cultural, social and civic activities.

Admission to the Honors Program is separate from admission to individual colleges of the university. Students may apply to the Honors Program as incoming freshmen, or may choose to apply to transfer into the program later. Students are invited to apply using the online application at www.uc.edu/honors.

A profile of Honors students finds them to be passionate students who are actively engaged on campus and in the community. The typical Honors student has:

- A high school rank in the top 10%
- An unweighted high school GPA of 3.8
- An ACT score of over 29
- An SAT score of over 1300

When a student completes the requirements of the Honors Program, the designation Honors Scholar is placed on the student's final transcript and diploma.

Questions should be directed to the Honors Scholars Program, located in 705 Swift Hall. Call, write, or e-mail: Honors Scholars Program, University of Cincinnati, PO Box 210007, Cincinnati, Ohio 45221-0007; 513-556-6254; Fax 513-556-2890; honors@uc.edu; www.uc.edu/honors.

Fees and Financial Assistance

FEES

Fees are assessed on the basis of a student's college and program, the level of the classes (graduate or undergraduate), the student's residence classification and the number of enrolled credit hours. Students registering for fewer than 12 quarter credit hours (10 quarter credit hours for graduate students) will be assessed student fees on a credit-hour basis; those who enroll for 12 quarter credit hours or more (10 hours for graduate students) will be assessed full-time instructional fees plus the general fee and the information technology and instructional equipment (ITIE) fee, and the non-resident surcharge, if applicable. Full-time fees normally cover up to 18 credit hours per quarter, except where the college curriculum specifies an academic load in excess of 18 hours, exclusive of military or air science credit hours. Fees for hours over 18 will be assessed at the part-time credit hour rate.

Fees are payable at the beginning of each academic quarter. They are published online at www.onestop.uc.edu and are also available from the Office of Admissions, One Stop Student Services and the individual college offices.

FINANCIAL AID

Students who attend the University of Cincinnati are encouraged to apply for financial aid. The Student Financial Aid Office is committed to making education as affordable as possible. Every effort will be made to identify university, federal and state resources to assist both undergraduate and graduate students in fulfilling their educational goals.

The Free Application for Federal Student Aid (FAFSA), available from any high school or UC's One Stop Student Services, is used annually to apply for all work-study, loan and undergraduate grant programs. The Web-based FAFSA, as well as a status check once you apply, is available at www.financialaid.uc.edu. Complete the FAFSA as soon after January 1 as possible. Because some aid programs are awarded on a first-come, first served basis, an early application receives priority consideration for limited funding sources.

Freshmen with exemplary high school academic records may be eligible to compete in the Cincinnatus Scholarship

Competition. Information about the competition is available from the Office of Admissions. Students (new, returning and graduate) should review the information in this *Bulletin* concerning college scholarship programs. Scholarships are also available from the State of Ohio, high schools, churches and civic groups.

Specific information about financial aid programs and the aid process is available online at www.financialaid.uc.edu and in the *Adviser*, a publication of the Student Financial Aid Office. If you wish to receive the *Adviser* or need more information, contact:

Student Financial Aid Office
University of Cincinnati
PO Box 210125
Cincinnati, OH 45221-0125

Phone: 513-556-1000 (One Stop Student Services)
Fax: 513-556-9171
E-mail: financeaid@uc.edu
Web site: www.financialaid.uc.edu

Orientation

All students enrolling for the first time are required to attend a New Student Orientation, which allows students to take required placement tests, receive academic advising and register for their first quarter classes. Orientation also provides important information about university resources and opportunities. New students are also required to attend New Student Convocation and College Day activities that are a part of a comprehensive Welcome Week, which begins the week before fall quarter. Details about these programs will be mailed at the appropriate time.

Registration

To attend classes and receive course credit, students must officially register for classes and must pay all associated tuition and fee charges. Students should register online through the One Stop Student Service Web site at www.onestop.uc.edu, but may also register in person at the One Stop Student Services Center (University Pavilion, 2nd floor). Registration dates and tuition payment deadlines are listed on the Web site.

EARLY REGISTRATION

Early registration offers continuing students the best opportunity each quarter to register for their preferred classes. Early registration by appointment for continuing students opens in May for the fall quarter, October and November for the winter quarter and February for the spring quarter. Be sure to generate a degree audit and contact your adviser *prior* to early registration.

Enter the One Stop Student Service Web site at www.onestop.uc.edu.

• To obtain your appointment time each quarter, click the designated link under "Announcements and Reminders" and follow the instructions.

• Click "review registration information" for important registration policies and procedures. This information formerly was printed in the *Learning Opportunities* registration booklet. That publication was discontinued following the summer/fall 2005 edition.

• Click "view class offerings" to open the online Schedule of Classes search application. Select the appropriate quarter, enter your preferred class criteria and click "Search." The online Schedule of Classes enables you to search by college and discipline, meeting days and times and by mode of instruction. Search results include class locations and class availability, and will provide links to online course descriptions.

• Once you have recorded a list of potential classes, return to the One Stop Student Service main page. Click "register for classes." Log in to the registration system. Enter your selections.

OPEN WEB REGISTRATION

Web registration is the most convenient enrollment service available to students. Following early registration, Web registration is open to all students through the One Stop Web site at www.onestop.uc.edu. Students who registered in early registration may adjust their schedules (add/drop) during open Web registration. Class requests are processed while the student is on the Web, and schedules are available online immediately following Web transactions. Students can view their schedule and bill on the One Stop Web site at any time from 6 a.m. until midnight.

IN-PERSON REGISTRATION

This is the walk-through phase of registration which begins approximately two weeks before the start of each quarter. Registration after calendar day 7 is possible only with college and instructor permission. Late registration fees are assessed beginning on the first official day of the quarter. New students and continuing students who need to register or adjust their schedules should obtain registration forms from their college offices, seek advising on class selection and present their class requests in person in one of the registration

offices. The class requests are processed by registration staff members or university service associates, and students know immediately their schedules and fees. Students registering or adjusting their schedules (add/drops) during in-person registration may obtain a schedule/bill as they leave the Registration Offices.

COMPLETE WITHDRAWAL FROM ALL COURSES FOR THE CURRENT ACADEMIC TERM

To withdraw from all University of Cincinnati classes in a quarter, students initiate the Complete Withdrawal form. Students have until the last day of classes to submit this form. Although individual instructors' signatures are not required to formally withdraw from all classes at the university, students must gain written approval from the college dean's representative who forwards the completed form to the Office of the Registrar. An approved Complete Withdrawal form does not guarantee any refund or removal of charges for the quarter.

Complete withdrawals submitted to the registrar after the 58th day of classes may be too late to be noted on the grade rosters. From this point through the last day of classes, the student's home college will notify the student's instructors of the student's withdrawal, either directly or through the colleges and or departments offering the courses. The instructor's grading options are to enter a grade of *"W"* or *"F"* on the grade roster. Students assigned a *"UW"* on the roster who are approved for complete withdrawal will have the *"UW"* converted to a *"W."* In the case of a complete withdrawal, any passing grade entered on the roster will be converted to a *"W."*

General Education

The faculty of the University of Cincinnati is committed to providing students with a baccalaureate education of substance and quality. The undergraduate curriculum therefore includes a General Education Program that encourages student exploration beyond concentration in a chosen program or major. Beginning with students who entered in fall quarter 2001, all undergraduates completing a baccalaureate degree are required to fulfill the requirements of the General Education Program.

The General Education Program promotes development of four baccalaureate competencies: critical thinking, effective communication, knowledge integration and social responsibility. The program also encourages breadth of knowledge through distribution requirements. These include English composition, quantitative reasoning, diversity and culture, social and ethical issues, and six distribution areas: fine arts, historical perspectives, humanities, literature, natural sciences and social sciences. Before completing their program, students must also fulfill two program/major requirements: methodology and the Capstone Experience. Through integrated study among disciplines, commitment to personal social accountability and the fostering of information literacy, the General Education Program develops awareness of the world at large and encourages lifelong learning.

Students are urged to work closely with their academic advisers throughout their programs of study. Careful planning will ensure that General Education Program requirements do not necessitate credit hours over and above those required by a student's program or major. Further information on the General Education Program is posted on the Web at www.uc.edu/gened.

Undergraduate Grading System

The grades of *A, A-, B+, B, B-, C+, C, C-, D+, D, D-,* and *F* are used in courses graded under the traditional grading system as an evaluation of a student's performance.

The grade of *P* (pass) is used to indicate passing work in courses graded under the pass/fail system as well as for non-credit courses.

The grade of *U* (unsatisfactory) is used to indicate failure in non-credit courses. The grade of *F* is the appropriate grade to indicate unsatisfactory work in courses graded under the pass/fail system.

The grade of *T* (audit) is used when a student has registered as an auditor rather than for credit. The faculty member and the student should agree on the conditions of the audit as the *T* grade may not be awarded automatically.

The grade of *I* (incomplete) is used when a course grade has not been finalized. The instructor has either contracted with the student for later completion or has been unable by the grade reporting deadline to evaluate a passing student's performance.

The grade of *I/F* (failure) is automatically assigned to replace the grade of *I* (incomplete) after one year if no other change of grade has been submitted.

The grade of *W* (official withdrawal) or *F* (failure) are used when the student has withdrawn officially.

The grade of *UW* (unofficial withdrawal) is used when a student has ceased to attend a course, but has not withdrawn officially.

The grade of *IP* (in progress) is a temporary grade for use only in courses approved by designated college committees for work to be completed later. If the *IP* remains on a student's

records for one year after the quarter has ended, the *IP* will change to *IP/F* (failure).

The grade of *NP* (not proficient) is used only for 103-level and below English courses requiring a level of proficiency to move through the sequence which is approved by the appropriate college committees.

A mark of *NG* on student grade reports and transcripts means no grade was reported, and the student should see the course instructor.

GRADING AND POINT SYSTEM

Grade	Description	Grade Points
A	Excellent	4.0000
A-		3.6667
B+		3.3333
B	Good	3.0000
B-		2.6667
C+		2.3333
C	Satisfactory	2.0000
C-		1.6667
D+		1.3333
D	Poor	1.0000
D-		0.6667
F	Failure	0.0000
P	Pass	N/A
U	Unsatisfactory	N/A
T	Audit	N/A
I	Incomplete	0.0000*
I/F	Failure	0.0000
W	Withdrawal (Official)	N/A
UW	Unofficial Withdrawal	0.00
IP	In Progress	N/A
Blank	No Grade Reported (See Instructor)	N/A
IP/F	Failure	0.0000
NP	Not Proficient	N/A

F, I/F, IP/F and *UW* credit hours are counted as hours carried in calculating grade point average.

*The *I* grade carries no grade points for one (1) quarter after it is incurred. Following that the *I* grade carries zero grade points and is counted as hours carried in calculating grade point average.

DEADLINE FOR CHANGING GRADES

For the first year after a course is completed, the course instructor alone has the responsibility to change any grade that was erroneously reported, even if that year extends beyond a student's certification for graduation.

After one year and for three additional years or until graduation (whichever comes first), the instructor may change undergraduate grades only with college approval.

Any grade change after the above deadlines requires the approval of a seven-member appeals panel convened by the director of the Registrar's Office.

GRADE REPLACEMENT POLICY

UC policy requires a student to reregister and pay tuition whenever repeating a course. Instructors may not submit a form to change a grade of *I* or other grade previously reported by allowing a student to repeat a course without reregistering. Unless students complete and submit a Grade Replacement Application to the appropriate college office within the first 58 days of the quarter, both the first and second (repeated course) grades are computed into the cumulative grade point average.

Undergraduate students may retake up to five courses (no more than 15 credit hours total) and compute only the grade from the most recent registration into the overall GPA. The original grade(s) remain on the student's record along with a symbol indicating the course was repeated.

Student Grievance Policy and Procedures

PHILOSOPHY

All members of the university community are expected to interact with civility and respect, recognizing at the same time the unique tradition of the university to provoke thought, stimulate discussion and examine dissent. The university encourages the resolution of complaints in a fair and collegial manner. This document establishes a policy and process for undergraduate students to request review and resolution of certain complaints.

Complaints may be resolved informally between the individuals or with the aid of their department head, college office or the University Ombuds. However, the student may proceed through the formal resolution stage.

APPLICABILITY

This document supersedes all former individual college grievance procedures. It is to be used by any UC student except those who are admitted to and enrolled in a graduate degree, MD or JD program.

These procedures are applicable when:

1. A student believes that he/she has been subjected to an academic evaluation which is capricious or biased.
2. A student believes he/she has been subjected to other improper treatment.

EXCEPTIONS

Allegations described below will be handled as outlined.

1. *Complaints alleging violation of privacy.* Allegations of a violation of privacy as set forth under the Family Educational Rights and Privacy Act (FERPA) will be handled by the University Registrar in accordance with current practice.
2. *Complaints regarding incompetency of instruction.* Allegations of incompetent instruction will be handled according to the agreement between UC and the AAUP.
3. *Complaints alleging discriminatory treatment.* Allegations of discriminatory treatment based on age, race, sex, sex orientation, disability, national origin or religion will be handled according to the UC discrimination procedure administered by the Office of Equal Opportunity. If the complaint involves a faculty member, it will be handled by the dean of the college offering the course.

GENERAL GUIDELINES

To use these procedures, a student may initiate an informal complaint in the University Ombuds' Office (607 Swift Hall) or the college office in which the course is offered no later than the end of the quarter following the quarter in which the activity that gave rise to the complaint occurred. A student registered for cooperative education through the Division of Professional Practice will receive an extension of one quarter upon his/her request.

All complaints shall be heard without unnecessary delay.

Complaints regarding a course or a grade will be in the jurisdiction of the college offering the course. If the course is offered in a different college than the student's home college or school, the complainant's college representative will sit as an ad hoc member of the College Grievance Review Committee (CGRC). A college dean's authority to alter a grade is governed by college grading policies adopted by the faculty, which in some units require student's work be reevaluated by professors in the subject area for the final determination of an appropriate grade. A college dean may initiate steps to change a grade only if the CGRC finds in favor of the student grievant(s).

Two or more students with the same complaint may join in a group action. A single statement of complaint shall be submitted and processed in the manner described herein for individuals, but all those joining in such a group action must sign the statement.

The University Ombuds shall determine whether, in fact, all of the students have the same complaint. If it is found that they do not, they will be divided into two or more subgroups. One individual may represent the entire group but all complainants may be required to meet with the University Ombuds or the CGRC.

Students may obtain a copy of the complete grievance procedures, and appropriate forms, from their college office or the Office of the University Ombuds.

The University's Libraries

University of Cincinnati Libraries are nationally ranked, offering access to an outstanding research library collection of over 3.2 million volumes, more than 39,000 serial subscriptions and a wide range of services to help students with their research needs. UC Libraries include the Walter C. Langsam Library, the archives and rare books library, eight college and departmental libraries, the medical libraries, the law library and libraries at Clermont College and Raymond Walters College. The libraries' Web site, at www.libraries.uc.edu, provides access to the university's own resources and serves as a local gateway to OhioLINK, a statewide library consortium that includes a central library catalog of over 40 million items from 85 other library collections across Ohio, as well as thousands of journals, almost 100 databases, and numerous digitized books, images and newspapers.

Graduation with Honors

Students who are candidates for a degree and who have met the college's residency requirement may be recognized by award of the following honors based on their university Grade Point Average (GPA).

Cum Laude	3.6000 - 3.7499
Magna Cum Laude	3.7500 - 3.8999
Summa Cum Laude	3.9000 - 4.0000

The university Grade Point Average (GPA) is based on all undergraduate course work taken at the University of Cincinnati. To be eligible for university honors, students must meet all residency requirements for their respective colleges.

Student Affairs

The Division of Student Affairs provides programs and services which complement and support the learning environment of the university and enhance the quality of student life. It traditionally provides campus-wide information and referral for students, faculty and staff.

Details regarding admissions, registration and student financial aid are located separately in this *Bulletin*.

AFRICAN AMERICAN CULTURAL AND RESEARCH CENTER

The African American Cultural and Research Center enhances the entire university community by serving as a resource for individuals to become more enlightened about the African American experience. The center also aids in the retention of the African American student population by specifically addressing their academic, social, spiritual and cultural needs.

CAREER DEVELOPMENT CENTER

The Career Development Center offers career guidance, internship and job search assistance, and referral services to students and alumni. Career fairs, professional development classes, on-campus recruiting and interviewing workshops are among the services offered quarterly. Additionally, the Career Navigator Program specifically assists undecided students with career exploration and special topics in career decision-making classes.

DISABILITY SERVICES

Students with disabilities who need academic accommodations or other specialized services while attending the University should contact the Disability Services Office, located in Suite 210, University Pavilion. Qualified students will receive reasonable accommodations to meet their individual needs as well as advocacy assistance on disability-related issues. The University of Cincinnati is strongly committed to maintaining an environment that guarantees students with disabilities full access to its educational programs, activities and facilities. In order to ensure timely implementation of academic accommodations, requests for accommodations or services should be made at least eight weeks in advance of the beginning of each quarter or as soon as possible after a disability has been confirmed. Requests for interpreters or real-time-captioning for special programs or events should be made at least two weeks prior to the event. Contact the Disability Services Office at 513-556-6823 or (TTY) 513-556-3277.

EDUCATIONAL SERVICES

The Educational Services Office provides the following services to undergraduate students:

- Orientation and placement testing, required of all new students, to assist them in their transition to the university
- Advising Resource Center: centralized support to all academic advising centers on program development, adviser development, data collection/analysis and enrollment
- McNair Scholars: assistance for disadvantaged or underrepresented students to prepare for doctoral studies through various scholarly activities
- A full service Pre-Professional Advising Center assisting pre-medicine, pre-law and other pre-professional students to prepare for admission to professional schools
- Learning assistance programs including workshops, seminars, and one-on-one activities related to such skill areas as time management, study skills, note taking, learning styles and other academic survival skills
- Tutorial Services, helping students improve academic achievement in individual coursework
- The office also cooperates with the Career Development Center in a program targeted to undecided students

ETHNIC PROGRAMS AND SERVICES

Ethnic Programs and Services offers cultural and educational programs specifically for and about students of color, as well as financial assistance through the prestigious Darwin T. Turner Scholarship Program, short-term counseling and academic advising.

JUDICIAL AFFAIRS

The Mission of the Office of University Judicial Affairs is to support the mission of the University of Cincinnati, through the implementation of the Student Code of Conduct (the university code of behavior), educational programs/sanctions, interventional programs and a due process judicial system. The Office of Judicial Affairs is committed to promoting a safe, orderly, civil and just community by utilizing the Student Code of Conduct to hold students accountable for decisions and behavior that impact the university community.

The Office of University Judicial Affairs:

- Adjudicates all alleged violations of the University of Cincinnati Student Code of Conduct
- Promotes students' rights, responsibility and a just community
- Promotes responsibility and ethical behavior by the university community
- Protects the opportunity for students to attain their education
- Protects the physical and mental health, safety and welfare of the university community members
- Protects individual property rights

Contact the Office of University Judicial Affairs at Suite 745 Steger SLC, PO Box 210193, Cincinnati, Ohio, 45221-0193, or 513-556-6814, fax 513-556-1458, e-mail daniel.cummins@uc.edu, Web site: www.uc.edu/studentlife/conduct

COUNSELING CENTER (formerly Psychological Services Center)

The Counseling Center offers individual, group and couple's counseling for UC students. We are available Mondays

through Fridays 8 a.m. to 5 p.m. for urgent care on a walk-in basis (no appointment necessary). We also provide consultations for faculty, staff, family and friends concerned about a student. Our workshops and other outreach programs are available upon request and include such topics as balancing multiple demands, building and maintaining satisfying relationships, and communication skills. A limited number of assessments for learning disabilities and attention deficit hyperactivity disorder is available only by referral from UC's Disability Services Office. Urgent care, groups, consultation, and outreach are free; for other counseling we accept Student Health Insurance and some other insurances, and we use a sliding fee scale. Contact us at 513-556-0648.

RESIDENT EDUCATION AND DEVELOPMENT

Resident Education and Development (RED) is responsible for the staffing, programming, and quality of life in the seven undergraduate residence halls – Calhoun, Campus Recreation Center, Dabney, Daniels, Schneider, Siddall, and Turner. RED staff members include the desk operations staff for service and security features, a resident advisor (RA) for each floor or unit, assistant residence coordinators (ARCs) in each hall, a public inquiries assistant (PIA), who is a full-time hall receptionist in each hall, a residence coordinator (RC) who manages each hall, and several staff members in the central office. RED staff members serve as advisors to the various student organizations in the halls and provide leadership development opportunities, mediate conflicts, support university policies, and assist students and parents in obtaining services from other university units. RED provides activities to complement the in-class experience and enhance student learning, to foster students' adjustment to university life, to encourage a sense of community and connection to the campus, and to promote students' maturation as adults. For assistance from any RED staff member, students, parents, staff, and faculty can contact the front desk of any residence hall or the central RED office in 422 Dabney Hall 513-556-6476.

Calhoun Hall	556-8596	Dabney Hall	556-6484
Daniels Hall	556-0676	Sawyer Hall	556-2022
Schneider Hall	556-3925	Siddall Hall	556-8281
Turner Hall	556-3925	RED Office	556-6476

STUDENT HEALTH INSURANCE

The University of Cincinnati offers an excellent, low cost, health insurance plan to all eligible students and their eligible dependents. The coverage insures UC students and their insured dependents at home, at school, and while traveling, 24 hours a day, anywhere in the world.

UC policy requires all students who register for six or more credit hours (including co-op students) have health insurance. International students holding "F" and "J" visas are required to have health insurance if they are registered for one or more credit hours.

These students are billed automatically for single student coverage. Students with private insurance wishing to be excluded from UC's Student Health Insurance Plan must complete an online Insurance Waiver Form no later than the third Friday of the term or semester. The insurance must be equal to or greater than that offered by the university and must have a U.S.-based claims administrator and a U.S.-based underwriter. Students may also waive coverage through the One Stop Web site.

Graduate students enrolled in less than six credit hours may purchase coverage and should contact the Student Health Insurance Office for more information regarding the necessary forms and requirements, and due dates.

All insurance transactions, enrollments and waivers, must be received by the Student Health Insurance Office by the close of business on the third Friday of the term or semester. For information regarding benefits, enrollment, or waivers, please see the Student Health Insurance Newsletter, available at the Onestop Center, college offices, or call the Student Health Insurance Office at 513-556-6868, Room 112, Varsity Village.

STUDENT ACTIVITIES AND LEADERSHIP DEVELOPMENT OFFICE

An important resource for UC students who want to be involved, the Student Activities and Leadership Development Office provides leadership and direction for the more than 250 student organizations, as well as a full range of activities and cultural programs for students. Located in the Steger Student Life Center on the 400 and 600 levels, the office provides programs with an educational component, specifically leadership development and citizenship. For more information, call 513-556-6115.

UNIVERSITY HEALTH SERVICES

University Health Services clinics, located on the 300 level of Varsity Village and the first floor of the Holmes Building, provide primary care, and gynecology and mental health services to all University of Cincinnati students. The clinics are staffed by physicians with specialty boards in internal medicine, family medicine, preventive medicine, and occupational medicine; a nurse practitioner; registered nurses; nursing assistants; laboratory and radiology technologists; and pharmacists. Students are seen by appointment for primary care and gynecological services. Students are referred to specialty clinics at UHS or the Health Alliance for dermatology, mental health, and other specialty appointments. The UHS pharmacy

in Varsity Village on the 300 level offers reduced prices on the pharmaceuticals in its formulary.

Students with UC Student Health Insurance are not charged for their UHS primary care clinic visits: they are charged for vaccines, vaccine titers, orthotics, prescriptions, and mental health care. Students with other health insurance may be seen at UHS, but they will be charged for their care.

UC WELLNESS CENTER

The UC Wellness Center provides resources and opportunities, disseminates information and educates the university community about health and wellness in order to create an environment that promotes, encourages and supports health decisions, behaviors and lifestyles. The Wellness Center provides workshops, programs and individual sessions free to the entire UC community on a variety of health and wellness issues. The center is located at 675 Steger Student Life Center, and can be reached at 513-556-6124.

UC WOMEN'S CENTER

The UC Women's Center (UCWC), located in the Steger Student Life Center, Suite 571 (513-556-4401), is dedicated to meeting the diverse needs and interests of female students at the University of Cincinnati. The center strives to identify and respond to student-driven concerns and is committed to actions that benefit women. The center offers a wide range of programs and opportunities, including Food 4 Thought, a lunch/lecture series discussing issues pertaining to women of different racial and ethnic backgrounds; Safe Zone, which creates a cadre of informed and supportive staff, faculty and student leaders on LGBT issues; Women's History Month programs throughout March; programs throughout April for Sexual Assault Awareness Month, Body Acceptance Week and Visibility Week, which is dedicated to educating and supporting faculty, staff and students about LGBTQ visibility and equality on campus; and the C-Ring Award, the highest distinction awarded a graduating senior woman. UCWC also offers a specialized resource library of over 600 books, videos, magazines, newsletters and pamphlets.

In addition the UC Women's Center includes a Sexual Assault Response Program with trained professionals available to provide 24-hour on-call support, advocacy and referral to survivors of acquaintance and stranger assault, stalking and harassment. The 24-hour crisis line (513-218-9531) provides emergency support and referral to any UC student, faculty, staff member or visitor.

Just Community

The University of Cincinnati is a public comprehensive system of learning and research that serves a diverse student body with a broad range of interests and goals. The faculty of the university produces world-renowned scholarship and nurtures innovation in and out of the classroom. Faculty, staff and administration also support an educational setting of excellence, opportunity and service. In embracing our roles within this learning community, we subscribe to the defining purposes, traditions, and diversity of the University of Cincinnati. Through our actions, we will strive to make the University of Cincinnati a more caring and just community.

As members of this community we will:

- **Pursue learning and scholarship** by building on successes, learning from mistakes, and pursuing quality in teaching, research and creative endeavors
- **Strive for excellence** by aspiring to achieve our fullest potential in our educational and personal pursuits
- **Celebrate the uniqueness of each individual** by respecting individual differences and promoting common interests
- **Practice civility** by extending to those we meet the same respect, cooperation and caring that we expect from others
- **Embrace freedom and openness** by working to create an environment that is safe and affirming, one that nurtures independent thinking and the free and open expression of ideas
- **Seek integrity** by aspiring to the highest moral and ethical standards
- **Promote justice** by working to build a learning environment that offers everyone an equal opportunity to grow, flourish, and contribute
- **Accept responsibility** by striving to build a learning community committed to these common values and principles

International Student Services

The International Student Services Office is responsible for all international students, faculty and visiting scholars and researchers at the University of Cincinnati. The office is in charge of issuing the Certificate of Eligibility (1-20A-B for F-1 status, or DS 2019 for J-1 status) only to applicants who have submitted all the necessary documents and have been admitted to the university. These services meet the requirements of the Department of Homeland Security, the Department of State and the governments of the countries whose students and faculty come to the University of Cincinnati for study, training and research. The university is authorized under federal law to enroll non-immigrant alien students and scholars as well as visiting faculty through the services of this office.

The staff of UC International Services is available to assist all internationals with their general welfare and guide them in their relations within the university community so that they can pursue their academic goals most successfully. The office provides advising on financial needs, cultural adjustment and personal concerns, as well as information regarding immigration and visa regulations. All international students are required to purchase the University of Cincinnati student health insurance plan unless they have insurance equal to, or greater than, the UC plan. The insurance must be provided by an American insurance carrier. For more information regarding the insurance requirement, see the Student Health Services section of this *Bulletin*. For more information about the university, address correspondence to UC International Services, University of Cincinnati, PO Box 210640, Cincinnati OH 45221-0640, or call 513-556-4278, fax 513-556-2990 or Web site: www.isso.uc.edu.

Reserve Officers Training Corps

AIR FORCE

The Air Force ROTC program prepares you for life after college and duty as an Air Force officer. AFROTC teaches students the basics of leadership as well as teamwork and offers them many outstanding opportunities for personal growth and development. In short, it helps prepare students for life in the "real world." Students with at least two years of college remaining may enroll in the ROTC program. To initially enroll, register for one of the Aerospace Studies courses and the Leadership Laboratory. Course information can be found online on the One-Stop Web site (www.onestop.uc.edu/ learningopp/qtr.asp) in the McMicken College of Arts and Sciences section, under the disciplinary heading "Aerospace Studies" and "Air Force ROTC."

The introductory classes of the General Military Course (GMC) are offered during the first two years of college. Freshmen and sophomores are not obligated to the military in any way unless they are on scholarship.

Scholarships for undergraduate and limited graduate studies are available on a competitive basis. They range from as low as $3,000 annually to full tuition, books and associated fees.

Students make the decision to pursue the Professional Officer Course (POC) during their second year. If they choose to continue in the POC they attend summer field training encampment after their second year. Students who complete all the GMC courses have a four-week training encampment; those who start their ROTC program with POC, or who do not complete all the GMC courses, attend a slightly longer session.

All cadets on scholarship, and all in the POC, receive a monthly stipend ranging from $250-$400 depending upon year in school. There are no additional costs associated with ROTC classes. Textbooks and uniforms are provided.

In the POC, students concentrate on leadership, management and the United States' defense policy. In addition, they have various positions of responsibility within the corps, enabling them to test and practice the leadership skills they have learned.

Upon graduation, cadets go on active duty as second lieutenants. They will serve four years, gaining invaluable experience along the way. Those in flying careers will have a longer commitment.

There are numerous opportunities available to all types of students in Air Force ROTC, including five- and six-year co-op students. To learn more, call 513-556-2237.

ARMY

Army ROTC provides great opportunities for leadership education, and military and adventure training, along with numerous possibilities for scholarships and financial incentives. High school seniors through graduate students are eligible to participate in the Army ROTC program and receive scholarships and financial benefits. The scholarships and financial incentives are worth in excess of $50,000 at the University of Cincinnati. Each scholarship covers tuition, fees, books, and stipends ranging from $300 to $500 monthly. Additionally, scholarship winners also receive free room and board their freshman year. Special scholarships are available for nurses, Army Reserve and National Guard soldiers, current active duty soldiers, and any individual with a solid background in academics and physical fitness.

Any student in any major is welcome to participate in the Army ROTC program without any military obligation. Those that decide to officially join ROTC can choose to fulfill their military obligation either full-time in the active Army or part-time in the Reserve components. The Reserve components in conjunction with Army ROTC offer a dual membership program that allows cadets to gain valuable military experience along with substantial financial incentives worth up to approximately $1,800 monthly.

One can enroll in Army ROTC classes the same way one enrolls in any class on campus. All Army ROTC courses are listed online under the disciplinary heading "Army ROTC" in the McMicken College of Arts and Sciences section. (www.onestop.uc.edu/ learningopp/qtr.asp) Additional paid educational and training opportunities are available in the summer through the Army ROTC program. Students who are military veterans or members of the Reserve components

automatically qualify for advanced standing in the ROTC program.

Changes in Army policies and training philosophy have resulted in a dynamic Army ROTC program that provides young leaders with the skills to serve in the Army or private industry in the 21st century. Students are encouraged to try out the program and gain valuable life skills. Army ROTC can be contacted at 513-556-3664 or on the Web at www.uc.edu/armyrotc.

NOTICE: The ROTC programs at the University of Cincinnati may not fully comply with university nondiscrimination policies due to the selective process of military service. However, the ROTC programs are in compliance with national nondiscrimination policies and the guidance and policies of the respective military services and Department of Defense.

VA Educational Benefits

VETERANS, MEMBERS OF SELECTED RESERVES AND DEPENDENTS OF VETERANS

The University of Cincinnati is approved for the education and training of veterans, reservists/guard members and dependents of veterans under several assistance laws. The VA will pay a monthly stipend to eligible applicants based on the number of applicable credit hours of enrollment in an approved program. Since these monthly checks are paid to the student after the month has ended, students need to make their own arrangements to cover tuition, books and fees. Disabled veterans authorized by VA for Vocational Rehabilitation (Chapter #31) benefits are the only ones the DVA (Department of Veteran Affairs) will fully cover for educational charges. Receipt of VA Educational Benefits does not necessarily exclude students from receipt of other forms of financial aid, so students are encouraged to apply for those monies.

In order for eligible students to be certified for VA "Chapter" Educational Benefits at UC they must apply for official admission to a UC college and matriculate in an approved degree major within that college. They can only receive these VA benefits for classes that are required for their current official degree program. Students certified for these benefits are responsible for promptly notifying the appropriate university offices of all changes in their status, in compliance with DVA regulations and university policy. They are required to make satisfactory progress, as defined by DVA and their college, toward their degrees in order to continue receiving VA educational benefits. Applicants for VA "Chapter" benefits will have pertinent regulations and policies explained to them at an information session, as part of the initial process, before being certified for VA "Chapter" educational benefits at UC.

For more information concerning eligibility, contact the DVA 1-888-442-4551 with your social security number (or, in the case of dependents, the veteran's social security number). Students eligible for VA "Chapter" educational benefits who have applied to UC for admission should contact the UC Veterans Certification Office 513-556-6811 as early as two to three months before classes begin in order to start the benefit process.

STANDARDS OF PROGRESS FOR VA PAY PURPOSES

If a student accumulates more than 15 credit hours of *F, Y, I, X, IP* and *UW* grades on their UC transcript (whether receiving VA benefits at the time these grades occurred or not), certification will be submitted to the DVA indicating the student is in unsatisfactory progress by UC veterans standards and benefits will be interrupted. Any student suspended or dismissed from the University of Cincinnati for unsatisfactory conduct or academic reasons will have their VA educational benefits interrupted.

War Orphans

Dependents of disabled veterans may be eligible for a scholarship from the Ohio Board of Regents, located in Columbus, OH. Contact the university's Student Financial Aid Office for more information, 513-556-6982. They may also be eligible for additional VA benefits and should contact DVA, 1-888-442-4551, for more information.

Nondiscrimination Policy

The University of Cincinnati actively supports University Rule 3361:10-13. Discrimination on the basis of race, color, religion, national origin, sex, age, sexual orientation, disability, status as a disabled veteran or veteran of the Vietnam era shall not be practiced in any of its programs or activities. Furthermore, where past or present discrimination continues to have an adverse impact upon protected class members such as minority groups, women, disabled, Vietnam-era veterans or disabled veterans, the university will take affirmative action in carrying out its policy of nondiscrimination and equal opportunity for all. Questions concerning this policy should be addressed to the Director, Office of Equal Opportunity, Suite 250, University Hall, University of Cincinnati, PO Box 210214, Cincinnati, OH 45221-0214, 513-556-5503.

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