THE COLLEGE OF NURSING
Advising Offices Are Located In:

113 Henderson Hall
(330) 672-7930

COLLEGE OF NURSING

The Kent State University College of Nursing provides a course of study at both the baccalaureate and master's level. After completion of the required course of study in the arts and sciences and professional nursing, graduates receive the degree of Bachelor of Science in Nursing and are eligible to take the state licensing examination to become professional registered nurses. Two additional years of study lead to the degree of Master of Science in Nursing with clinical focus in adult, psychiatric mental health or parent child nursing, and role function options in administration, education, clinical specialization or nurse practitioner.

Accreditation
The baccalaureate and master's programs are accredited by the National League for Nursing Accrediting Commission and the Commission on Collegiate Nursing Education. The baccalaureate nursing program is approved by the State of Ohio Board of Nursing.

Aims of the Program
The specific purposes of the baccalaureate nursing program are to prepare practitioners for the beginning practice of professional nursing; to provide a base for the continuing development of the students as individuals, as citizens and as professional practitioners of nursing; and to provide a foundation for graduate study in nursing.

The College of Nursing is committed to the education of professionals in nursing within the perspective of today's society. The faculty believes that the foremost aim of such education is the acquisition of knowledge and unique specialized skills of the nursing profession. Professional education for nursing lays a foundation for the proficient and competent performance of nursing practice, based on scientific principles, and entailing self-directed activities and discriminative judgments.

The faculty believes that professional education in nursing stresses the development of high ethical standards and moral values, which enable future practitioners to make essential contributions to public welfare and social progress. Professional education in nursing strives to develop communication skills and personality traits for effective interpersonal relationships and provides a base for continuing study and for personal, social and professional development.

The program in nursing stresses the application of physical, biological and social sciences to professional nursing practice. Throughout the program, students learn to give professional nursing care to children and adults of various age groups in acute care, home and community settings.

Student Awards
Awards available through the College of Nursing include the Award for Excellence in Nursing Practice, the Award for Leadership/Service, and the Judith Hollander Bess Award for Academic Excellence. Scholarships supported through the College of Nursing include the Victoria Reed Scholarship, The College of Nursing Alumni Council Kare Scholarship and the Dean Davina J. Gosnell Scholarship.

Liberal Education Requirements
All students graduating with a baccalaureate degree from Kent State University must have completed 36 semester hours of LERs. These requirements are normally to be fulfilled within the first 60 semester hours of enrollment. These courses reflect Kent State's LERs as they are further specified by the nursing curriculum. These requirements are:

I.   **Composition** **6**
     ENG   10001, 10002, College English I, II
II. **Mathematics, Logic and Foreign Languages** **6**
     Select from the LERs on page 77.
III. **Humanities and Fine Arts** **9**
     Select from the LERs on page 78.
IV. **Social Sciences** **9**
     PSYC 11762, General Psychology 3
     SOC   12050, Intro. to Sociology 3
     One course 3
     Select from the LERs on pages 78.
V.   **Basic Sciences** **10**
     CHEM 10050, Fundamentals of Chemistry 3
          Choose one from: *2-5*
          10052, Introduction to Organic Chemistry (2)
          10054, Gen. and Elem.Organic Chemistry (5)
     BSCI   20020, Biological Structure and Function 5

Writing-Intensive Course Requirement
Refer to either pages 64 or 84-85 of this *Catalog* for specific information on the Writing-Intensive Course Requirement.

Program of Study
The program of study includes 129 semester hours of study in arts and sciences and professional nursing courses directed toward preparing graduates who:
1. Use critical and analytical thinking in the application of the nursing process to provide health care.
2. Establish purposeful relationships in the delivery of nursing care.
3. Assume responsibility for their personal and professional growth and nursing actions.
4. Participate with the interdisciplinary team to facilitate change in the delivery of health care.

5. Use basic knowledge of the research process in nursing practice.
6. Assume the roles of professional nurses.

Program Requirements

I. **FIRST YEAR (Prenursing)** **33**
 BSCI 20020, Biol. Structure and Function 5
 20021, Basic Microbiology 3
 CHEM 10050, Fundamentals of Chemistry** 3
 10052, Intro. to Organic Chemistry** 2
 ENG 10001, 10002, College English I, II 6
 NURS 10050, Intro. to Professional Nursing 1
 PSYC 11762, General Psychology 3
 SOC 12050, Intro. to Sociology 3
 US 10001, University Orientation 1
 Elective from Humanities*** 3
 Social Science*** 3
II. **SECOND YEAR** **34**
 BSCI 30030, Human Physiology 4
 30050, Human Genetics 3
 CHEM 20284, Physiological Chemistry 4
 NURS 10020, Basic Cardio Life Support 1
 20000, Professional Nursing Issues 2
 20020, Foundations of Assessment
 and Comm. in Nursing 3
 20030, Foundations of Nursing Intervention 5
 20950*Human Growth and Development
 for Health Professionals 3
 NUTR 33512, Nutrition for the Family 3
 Electives from Math/Logic/or Foreign Languages*** 6
III. **THIRD YEAR** **32**
 NURS 30000, Professional Nursing Concepts 2
 30010, Parent and Newborn Nursing 4
 30020, Health Care of Children 4
 30030, Nursing of Adults 5
 30040, Nursing of Adults with Rehab.
 Needs and/or Gerontologic Changes 4
 30050, Basic Nursing Informatics 2
 30060, Basic Pharmacology for
 Nursing Practice 2
 Statistics (one of the following) ***3***
 MATH 10041, Elem. Prob. and Statistics (3)
 PSYC 21621, Quant. Methods in Psych. (3)
 SOC 32220, 32221, Data Analysis (4)
 Electives from Humanities*** 6
IV. **FOURTH YEAR** **30**
 NURS 40000, Professional Nursing Development 2
 40010, Nursing of the Critically Ill 4
 40020, Community Health Nursing 4

 40030, Psychiatric Nursing and
 Mental Health Nursing Care 4
 40040, Leadership and Management in Nursing 4
 40050, Nursing Integration Practicum 3
 40872, Intro. to Nursing Research 3
 PSYC or SOC elective (upper-division) 3
 Elective from Fine Arts 3
 TOTAL **129**

*Offered fall semester only.

**Regional Campus students may substitute CHEM 10054 for CHEM 10050 and 10052.

***See Nursing LERs, page 307.

Elective Nursing Courses: Special nursing courses will be offered periodically by nursing faculty and may be taken as electives by nursing students. These courses are listed in the Catalog.

CPR, Basic Cardiac Life Support certification is required of all nursing students. The course NURS 10020, CPR is provided for those needing certification.

Major clinical facilities utilized for students' learning experiences include Mt. Sinai, St. Luke's, Cleveland Clinic, University Hospitals, Brecksville Veteran's, Health Hill and Metro Health in Cleveland; Akron General Medical Center, Summa Health Care—Akron City and St. Thomas Hospitals, and Children's Hospital-Medical Center of Akron; Robinson Memorial Hospital and the Kevin Coleman Mental Health Center in Ravenna; Columbia Mercy Medical Center in Canton; Austin Woods Rehabilitation and St. Elizabeth Medical Center in Youngstown; Trumbull Memorial Hospital and St. Joseph's in Warren; Massillon Community Hospital; Hattie Larlham Foundation in Mantua; The Summit County Health Department; The Cleveland Health Department; The Trumbull County Visiting Nurse Agency; Robinson Memorial Hospital Visiting Nurse and Hospice; Marymount Home Health Care; Alliance Visiting Nurse Agency, and various other social and health agencies. These facilities are subject to change and availability.

Transportation is provided from the campus to clinical facilities by the Campus Bus Service with the exception of one semester in the senior year when students must have access to the use of a car while enrolled in Nursing in the Community.

ADMISSION PRENURSING

New Freshmen
Admission will be granted to those students who have completed a strong academic pattern of courses in high school. In addition to meeting all general university requirements, it is essential that applicants present study in chemistry, biology and mathematics from high school. A high school GPA of 2.70 (on a 4.0 scale) is also required.

An ACT composite score of 22 and 22 in scientific reasoning is the minimum expected to receive favorable consideration.

Transfer Students
In addition to meeting all general university requirements for admission, transfer students should contact the College of Nursing regarding special information and deadlines.

Transfer students will be admitted to the College of Nursing on an individual basis.

Students wishing to transfer from another baccalaureate nursing program should consult directly with the College of Nursing at the time of application to the university.

Second Degree Students
Persons with a non-nursing degree wishing to pursue the study of nursing should consult with the College of Nursing at the time of application to the university.

Licensed Practical Nurses
L.P.N.'s admitted to the nursing sequence may establish credit by examination for selected sophomore-level nursing courses. An appointment should be made for advising through the College of Nursing at the time of application.

Sophomore Nursing Sequence
Limitations on available space for sophomore nursing majors necessitate a selective admission process. The sophomore nursing sequence begins only in the fall semester of each year. Preference is given to applicants who:
1. Complete BSCI 20020, 20021 and CHEM 10050, 10052 *or* CHEM 10054, with a minimum of a 2.50 GPA in these sciences;
2. Complete a minimum of 30 semester hours with a 2.50 or higher GPA.

In February of the freshman year, prenursing students should apply directly to the College of Nursing for admission to the sophomore nursing sequence. Selection for the sophomore nursing sequence is made by a faculty committee of the College of Nursing beginning in June of each year.

Registered Nurses
Registered nurses admitted to the program may take examinations to establish credit in selected nursing courses. In addition, credit may be established in selected arts and sciences courses through examination. Transition nursing courses are available for registered nurses. Eighteen semester hours of required nursing courses are available via distance learning technology.

Kent's Eight-Campus Network
The first year of the baccalaureate nursing program is available on all eight campuses. The second year is offered at the Kent, Ashtabula, East Liverpool, Stark and Trumbull Campuses. Senior-level nursing courses are available at these same campuses via interactive computer technology. Advising is provided at each campus.

Progression
Progression and continuance in the program is based upon successful scholastic achievement and personal qualities for the practice of professional nursing.

Calculation of Averages for Progression to Junior and Senior Sequence Nursing Courses.
1. Students must have a 2.0 cumulative GPA each semester to continue in clinical nursing.

2. Progression to junior nursing requires the completion of 60 semester hours with a 2.00 or higher GPA; the completion of all biology and chemistry courses as noted in program requirements with a 2.00 or higher GPA; completion of all freshman and sophomore nursing courses with a 2.00 or higher GPA in each nursing course. In addition, N10050, Intro to Professional Nursing, normally is completed prior to the sophomore nursing sequence, but must be completed with a grade of C or higher prior to beginning the junior nursing sequence.

3. Progression to senior nursing courses requires the completion of 90 semester hours with a 2.00 or higher GPA; the completion of all junior nursing courses, a 2.00 minimum GPA in each sophomore and junior nursing course.

Repeat of clinical nursing courses:
Each clinical course may be repeated one time only. Students may repeat no more than two clinical nursing courses throughout the program. Only one sophomore clinical course may be repeated. A withdrawal will be considered a repeat of the course if the students are failing theory and/or have an unsatisfactory in clinical at the time of withdrawal.

Students attaining two failures in clinical nursing courses are automatically dismissed from the nursing program. A clinical course in which an F is received must be repeated before progression in any other clinical course. A grade of at least a C must be obtained on repeat to avoid dismissal from the nursing program.

Graduation
The degree of Bachelor of Science in Nursing is granted to students who complete the planned program of study with a cumulative GPA of at least 2.00 (C) and a 2.00 or higher in biology and chemistry courses; and a minimum 2.00 in each nursing course. Students also need to meet all other university requirements for graduation and complete a minimum of 32 semester hours at Kent State.

Expenses and Financial Aid
In addition to the regular university expenses, nursing school <u>costs for the four years include:</u>
Uniforms, $80
(Payable in September prior to beginning sophomore nursing)
Nurse Liability Insurance, $99
Clinical Nursing Laboratory Fee, approx. $800
Senior Year Expenses, $600
(These expenses are approximate and will vary as the charges vary. Examples of the expenses included are the State Licensure application fee, NCLEX-CAT fee, College of Nursing pin, pictures for licensure and the NCLEX-CAT review.)

In addition to the regular university financial aid, nursing students are eligible for financial assistance, which is exclusively for nursing students, such as:
- The Federal Nursing Scholarship Program
- Jay S. Cole Scholarship
- Federal Nursing Student Loan Program
- The Elizabeth Hudak Memorial Fund (Short-term Emergency Loan Fund)
- Work Agreement Scholarship with Mt. Sinai Hospital of Cleveland
- Cleveland Clinic Foundation Nursing Education Grant Program
- Akron General Medical Center Service League Scholarship
- University Hospitals of Cleveland Tuition Assistance Plan
- The Army, Air Force and Navy Nurse Corps Student Programs

School of Technology

THE SCHOOL OF TECHNOLOGY
Advising Offices Are Located In:

123 Van Deusen Hall
(330) 672-2892

SCHOOL OF TECHNOLOGY

Statistics indicate that by the start of the 21st century nearly two-thirds of the future workforce will be employed in jobs that do not exist today, and employment opportunities will be the greatest in high-technology fields. Kent State University's School of Technology, part of Kent State's eight-campus network, offers technology-based programs that will provide students with the skills needed to compete in today's job market.

With more than 25 programs — at the certificate, associate, bachelor's and master's degree levels — throughout Kent's eight-campus network, a talented faculty, and flexible class schedules that include evening, weekend, distance learning and Web-based classes, the School of Technology has a program to match your needs and interests. Academic programs are divided into three areas: <u>Aeronautics</u>, <u>Applied Business</u> <u>Technologies</u> and <u>Applied Science and Technology</u>.

On the Kent Campus, the School of Technology offers four-year programs in aeronautics, industrial technology, and technology. At Kent State's seven Regional Campuses, the school has two-year degrees in *Applied Business, Applied Science* and the *Associate of Technical Studies*. Programs in these areas include technology, computer technology, business technology, industrial technology, engineering technology and environmental technology. These programs are described under *Regional Campuses*.

Many of the credits earned in the school's associate's degrees can be applied toward the "2+2" program for a B.S. degree in technology or industrial technology. These programs are described under "2+2" *Concentration for Associate's Degree Graduates.*

> *Note: To receive a baccalaureate degree from the School of Technology, students must, in addition to other requirements, satisfy the 36-hour minimum stipulated in the LERs. (See pages 77-80.)*

Cooperative Education
Cooperative education is a supervised work-study experience in an approved business or industrial environment. Students may choose (1) to alternate semesters of full-time employment and full-time study or (2) to maintain part-time student status while working no less than one-half time. (Full-time employment is defined as 35-40 hours per week for the entire semester or about four months.) Students working full time may earn 2 credits; 1 credit may be earned for half-time work.

This is available to School of Technology majors of sophomore rank or above who have a 2.25 overall GPA. Cooperative education is repeatable to a maximum of 6 credits; however, some programs limit use of co-op credits to fulfill graduation requirements. Application is made through the coordinator of cooperative education.

Writing-Intensive Course Requirement
Refer to either pages 64 or 84-85 of this *Catalog* for specific information on the Writing-Intensive Course Requirement.

BACHELOR OF SCIENCE DEGREE

Technology

This program provides a liberal education within our technological culture for students contemplating careers in technical-industrial fields. Courses in the major provide breadth of technical experience, while electives may be utilized to increase competencies in one or more areas. This program is not primarily intended for the preparation of technology education teachers. Students wishing to teach technology education should enroll in technology education programs offered through the College of Education. See pages 214-218 for Teacher Education Curriculum.

I.   **Composition** 9
      ENG   10001, 10002, College English I, II 6
             20002, Technical Writing 3
II.   **Mathematics, Logic and Foreign Languages** 7
      MATH   12001, Algebra and Trigonometry 4
      Select 3 hours 3
      from the LERs.
III.   **Humanities and Fine Arts** 9
      COMM 15000, Theory and Practice of Oral Discourse 3
      Select 6 hours 6
      from the LERs .
IV.   **Social Sciences** 12
      PSYC   11762, General Psychology 3
             31773, Industrial Psychology 3
      Select 6 hours 6
      from the LERs.
V.   **Basic Sciences** 9
      At least 6 hours must be from courses that include a laboratory component. The remaining 3 hours may be from LERs.
VI.   **US 10001, University Orientation** 1
VII.   **Major Requirements:** 39
      Technology Core
      TECH   10001, Information Technology 3
             13580, Engineering Graphics I 3
             20001, Energy/Power 3
             20002, Materials and Processes 3
             21021, Survey of Electricity and Electronics 4

Technology

TECH 11071, Woods Technology I 3

   21046, Graphic Communication Tech. I 3

   31000, Cultural Dynamics of Technology 3

   31015, Construction Technology 3

   31016, Manufacturing Technology 3

   31087, Design for Technology Education 3

   32002, Materials and Processes II 3

   43080, Industrial and Environmental Safety 3

VIII. **Technology electives** **14**

IX. **General electives** **21**

                                     TOTAL   122

*Note: Upper-division technology electives must be chosen with
faculty adviser.*

*Students must complete technology core sequence and all
required lower-division math and science courses before regis-
tering for upper-division technology courses.*

Minimum of 39 upper-division hours required.

Minimum of 2.00 overall GPA is required.

Minimum of 2.25 GPA required in major.

"2 + 2" Concentration for Associate's Degree Graduates

*This "2 + 2" concentration provides a broad-based education in
technology subjects for technology associate's degree graduates
who wish to advance their careers in technical environments. It
allows graduates to apply all or nearly all of their coursework
completed in the associate's degree program toward the Bache-
lor of Science degree. Through advanced study in upper-division
technology courses, chosen with a technology faculty adviser,
students will gain additional technical depth or breadth. Many
students may wish to use the general electives to earn a minor
from another academic unit to complement their specific areas of
interest in technology.*

I.   **Composition** 9

ENG   10001, 10002, College English I,II 6

   Choose one from: 3

   20002, Technical Writing (3)

OMRT 21038, Business Communications (3)

II. **Mathematics, Logic and Foreign Languages** 7

   Choose one from: 4

MATH 11011, College Algebra (4)

   12001, Algebra and Trigonometry (4)

Select 3 hours from LERs 3

III. **Humanities and Fine Arts** 9

Select 9 hours from LERs.

IV. **Social Sciences** 9

Select 9 hours from LERs.

V.   **Basic Sciences** 9

*At least 6 hours must be laboratory science courses. Select the
remaining 3 hours from LERs.*

VI. **US 10001, University Orientation** 1

VII. **Requirements** 49

Technology courses from associate's degree 34

Technology electives (upper-division) 15

VIII. **General electives (minimum of 12 hours upper-division)** 28

                                     TOTAL   121

*Notes: Minimum of 27 hours of upper-division coursework
required for technology associate's degree graduates. Minimum
of 2.00 overall GPA required. Upper-division technology electives
must be chosen with faculty adviser.*

BACHELOR OF SCIENCE DEGREE

Aeronautics

*The programs offered under the B.S. degree in Aeronautics con-
sist of four separate areas of study. All four programs lead to a
Bachelor of Science Degree with a major in aeronautics.*

***Requirements for Admission for High School Students into the
Aeronautics Programs***

*While Kent State University is an open admissions university that
offers admission to Ohio students who are graduates of accredit-
ed high schools, admission to the aeronautics programs is limit-
ed and highly selective. Only students who have earned a 2.25
high school cumulative GPA will be considered for admission.
Students not admitted to the programs may qualify for admis-
sion to the university as an undeclared major in the School of
Technology. These students may be admitted to the aeronautics
programs any time after the first semester of studies if they have
earned a cumulative GPA of 2.25 or above.*

*All applications must include the $30 application fee, official
American College Test (ACT)/Scholastic Aptitude (SAT) scores,
and an official high school transcript that shows class rank and
coursework in ninth, 10th and 11th grades, as well as the cours-
es that are being taken or will be taken in the senior year. Tran-
scripts that do not show class rank and senior courses cannot be
considered.*

Requirements for Admission for Transfer Students
Only transfer students with a GPA of 2.25 or above will be con-
sidered for admission. This GPA must be based upon a minimum
of 24 semester hours of college-level work. (Students with less
than 24 semester credit hours will be considered with the high
school student pool.)

All applications must include the $30 application fee and official
transcripts showing all previously completed coursework.

All students requesting transfer of credit for technology courses
taken at another school shall present a list of such courses to the
program adviser for review and assessment. No credit will be
given for courses with grades less than C.

Requirements for Admission from Another Program
Students already enrolled at Kent State University who desire to
change majors to the aeronautics programs must apply on the
appropriate form to the Office of the Dean, School of Technology.
Minimum GPA to change major to the aeronautics programs is
2.25. All applications must include official transcripts showing all
previously completed coursework.

Aeronautics Programs
The aeronautics programs consist of four separate areas of
study: aeronautical studies, aeronautical systems engineering
technology, aviation management and flight technology.

Aeronautical Studies

The aeronautical studies program prepares students for entry-
level technological positions in the aeronautical industry and
related areas. The program is focused on a fundamental founda-
tion of aeronautically related subjects, but, at the same time, pro-
vides a significant number of course electives that allow students
to explore other areas of interest or earn a minor in a particular
area of study. The program requirements include 35 semester
hours of required Technology and Aeronautics courses, and 38
semester hours of Technology and General electives coursework.
Students that successfully complete all degree requirements for
this program are awarded a Bachelor of Science degree in Aero-
nautics with a concentration in Aeronautical Studies.

I. **Composition** 9
    ENG   10001, 10002, College English I, II 6
          20002, Technical Writing 3
II. **Mathematics, Logic and Foreign Languages** 7
    MATH 11012, Intuitive Calculus 3
        * 12001, Algebra and Trigonometry 4

III. **Humanities and Fine Arts (two courses in sequence)** 9
    COMM 15000, Theory and Practice of Oral Discourse 3
    Plus select 6 hours 6
    Choose from Fine Arts from the LERs.
IV. **Social Sciences** 9
    Plus select 9 hours 9
    Choose from Social Sciences from the LERs.
V. **Basic Sciences** 10
    PHY   13001, General College Physics I 5
          13002, General College Physics II 5
VI. **US 10001, University Orientation** 1
VII. **Major Requirements** 56
    Technology Courses *16*
    TECH 10001, Information Technology 3
          13580, Engineering Graphics I 3
          20002, Materials and Processes 3
          21021, Survey of Electricity and Electronics 4
          33033, Hydraulics and Pneumatics 3
    Aeronautics Core *22*
    TECH 15000, Introduction to Aeronautics 3
          35020, Aircraft Propulsion Systems 3
          35040, Aircraft Systems I 3
          35150, Aircraft Structures 3
          45030, Aircraft Systems II 3
          45150, Applied Flight Dynamics I 3
          45291, Aero. Senior Seminar 1
          45350, Avionics 3
    Technology Electives *18*
      **Technology Electives (18)
VIII. **Non-Major Requirements** 20
      **General Electives 20

TOTAL	**121**

Students must complete all lower-division math, basic science
and technology courses before registering for upper-division
technology courses.

A minimum of 39 upper-division hours within the 121 total
semester hours are required.

A minimum of 2.25 GPA in the major requirements and a mini-
mum of 2.00 overall GPA are required.

Students must also satisfy the university Diversity Requirements.

*MATH 12001, which is a prerequisite for MATH 12002, should be
bypassed by students with sufficient background.

**Note: A total of at least 17 upper-division level hours must be taken in the technology electives area and/or the general electives area.

American Assembly of Collegiate Schools of Business accreditation standards prohibit nonbusiness majors from taking more than 25 percent of their degree requirements in business courses. Therefore, no more than 30 semester credit hours may be counted toward stated degree requirements.

Aeronautical Systems Engineering Technology

The aeronautical systems engineering technology program prepares students to enter the field of aeronautical engineering as technologists with educational experience in the practical application of theoretical principles. The program includes advanced mathematics and physics courses to complement engineering-related courses in aeronautics technology. Students entering this program should have an extensive background in high school mathematics and science.

I.   **Composition** 9
ENG   10001, 10002, College English I, II 6
20002, Technical Writing 3
II. **Mathematics, Logic and Foreign Languages** 23
CS   10061, Introduction to Computer Programming 3
MATH*12001, Algebra and Trigonometry 4
12002, Analytic Geom. and Calculus I 5
12003, Analytic Geom. and Calculus II 5
21001, Linear Algebra 3
22005, Analytic Geom. and Calculus III 3
III. **Humanities and Fine Arts** 9
COMM 15000, Theory and Practice of Oral Discourse 3
Plus 6 hours 6
from Humanities and Fine Arts LERs.
IV. **Social Sciences** 9
ECON 22060, Principles of Microeconomics 3
22061, Principles of Macroeconomics 3
Plus 3 hours 3
from the Social Sciences LERs.
V.   **Basic Sciences** 13
CHEM 10050, Fundamentals of Chemistry 3
PHY   23101, General University Physics I 5
23102, General University Physics II 5
VI. **US 10001, University Orientation** 1

VII. **Major Requirements:** 60
Technology Courses *28*
TECH   10001, Information Technology 3
13580, Engineering Graphics I 3
20002, Materials and Processes 3
21021, Survey of Electricity and Electronics 4
23581, Computer Aided Engineering Graphics 3
33033, Hydraulics/Pneumatics 3
33222, Digital Design and Applications 3
33363, Metal. & Material Science 3
33111, Strength of Materials 3
Aeronautics Core *22*
TECH   15000, Introduction to Aeronautics 3
35020, Aircraft Propulsion Systems 3
35040, Aircraft Systems I 3
35150, Aircraft Structures 3
45030, Aircraft Systems II 3
45150, Applied Flight Dynamics I 3
45291, Aero. Senior Seminar 1
45350, Avionics. 3
Related Courses *10*
TECH   45121, Adv. Aerospace Propulsion 3
45151, Applied Flight Dynamics II 3
45700, Aircraft Design 4
VIII. **Non-Major Requirement** 3
Technology Elective 3

TOTAL   127

Students must complete all lower-division basic science and technology courses before registering for upper-division technology courses.

A minimum of 39 upper-division hours within the 127 total semester hours are required.

A minimum 2.25 GPA in the major requirements and a minimum 2.00 overall GPA are required.

Students must also satisfy the university Diversity Requirements.

*MATH 12001, which is a prerequisite for MATH 12002, should be bypassed by students with sufficient background.

American Assembly of Collegiate Schools of Business accreditation standards prohibit nonbusiness majors from taking more than 25 percent of their degree requirements in business courses. Therefore, no more than 30 semester credit hours may be counted toward stated degree requirements.

Aviation Management

The aviation management program prepares students for entry-level positions in aerospace and other aviation-related industries. This course of study combines technical and aeronautical courses with courses in management and information systems.

Students entering this program should have a technical interest, mathematical proficiency, and an ability to develop analytical and communicative capabilities.

I.   **Composition** 9
ENG   10001, 10002, College English I, II 6
Choose one from: *3*
20002, Technical Writing (3)
20001, Business Writing (3)

II.   **Mathematics, Logic and Foreign Languages** 10
CS   10061, Introduction to Computer Programming 3
MATH*12001, Algebra and Trigonometry 4
11012, Intuitive Calculus 3

III.   **Humanities and Fine Arts** 9
COMM 15000, Theory and Practice of Oral Discourse 3
Plus 6 hours 6
Choose from Humanities and Fine Arts LERs.

IV.   **Social Sciences** 9
ECON   22060, Principles of Microeconomics 3
22061, Principles of Macroeconomics 3
PSYC   11762, General Psychology 3

V.   **Basic Sciences** 10
PHY   13001, General College Physics I 5
13002, General College Physics II 5

VI.   **US 10001, University Orientation** 1

VII.   **Major Requirements** 71
Technology Courses *19*
TECH   10001, Information Technology 3
13580, Engineer. Graphics I 3
20002, Materials and Processes 3
21021, Survey of Electricity and Electronics 4
23581, Computer Aided Engineering Graphics 3
33033, Hydraulics/Pneumatics 3
Aeronautics Core *22*
TECH   15000, Introduction to Aeronautics 3
35020, Aircraft Propulsion Systems 3
35040, Aircraft Systems I 3
35150, Aircraft Structures 3
45030, Aircraft Systems II 3
45150, Applied Flight Dynamics I 3
45291, Aero. Senior Seminar 1
45350, Avionics. 3

Related Courses *30*
ACCT   23020, Intro. to Financial Accounting 3
M&IS   24056, Fundamentals of Business Statistics 3
24060, Systems Analysis I 3
24070, Principles of Systems Development 3
24163, Principles of Management 3
34032, Data and File Technology 3
34045, Small Systems Technology 3
34060, Operations Management 3
44043, Data Base Management Systems 3
TECH   35340, Airport Management 3
35341, Air Trans. Systems 3

VIII.   **Non-Major Requirements** 2
Technology Electives 2

TOTAL   121

Students must complete all lower-division math, basic science and technology courses before registering for upper-division technology courses.

A minimum of 39 upper-division hours within the 121 total semester hours are required.

A minimum of 2.25 GPA in the major requirements and a minimum of 2.00 overall GPA are required.

Students receive a minor in computer information systems from the College of Business Administration with this option.

Students must also satisfy the university Diversity Requirements.

*MATH 12001, which is a prerequisite for MATH 12002, should be bypassed by students with sufficient background.

American Assembly of Collegiate Schools of Business accreditation standards prohibit nonbusiness majors from taking more than 25 percent of their degree requirements in business courses. Therefore, no more than 30 semester credit hours may be counted toward stated degree requirements.

Flight Technology

The flight technology program prepares students to enter the field of aerospace flight operations as a professional pilot. This course of study enables students to qualify for a wide range of

Federal Aviation Administration flight and ground ratings required for giving professional flight and ground instruction, commercial/instrument operations in business aviation, commuter airline operations, as well as qualifying for entrance to military flight schools. This option stresses subjects associated with systems, power plants, structures and electronics. Students entering this program should have a strong desire for excellence in the aviation technical fields, as well as flying skills required of a professional pilot. This option is particularly designed for those students who aspire to become airline pilots.

I.   **Composition** **9**
     ENG   10001, 10002, College English I, II 6
             20002, Technical Writing 3
II. **Mathematics, Logic and Foreign Languages** **7**
     MATH 11012, Intuitive Calculus 3
             * 12001, Algebra and Trigonometry 4
III. **Humanities and Fine Arts** **9**
     COMM 15000, Theory and Practice of Oral Discourse 3
     Plus 6 hours 6
     from Humanities and Fine Arts LERs.
IV. **Social Sciences** **9**
     ECON 22060, Principles of Microeconomics 3
             22061, Principles of Macroeconomics 3
     PSYC 11762, General Psychology 3
V.   **Basic Sciences** **10**
     PHY   13001, General College Physics I 5
             13002, General College Physics II 5
VI. **US 10001, University Orientation** 1
VII. **Major Requirements:** **81**
     Technology Courses *10*
     TECH 10001, Information Technology 3
             21021, Survey of Electricity and Electronics 4
             33033, Hydraulics / Pneumatics 3
     Aeronautics Core *22*
     TECH 15000, Introduction to Aeronautics 3
             35020, Aircraft Propulsion Systems 3
             35040, Aircraft Systems I 3
             35150, Aircraft Structures 3
             45030, Aircraft Systems II 3
             45150, Applied Flight Dynamics I 3
             45291, Aerospace Senior Seminar 1
             45350, Avionics 3
     Flight Technology Courses *37*
     TECH 15740, Elements of Flt. Theory 5
             15741, Priv. Pilot Flight 3
             25250, Elements of Aviation Weather 2
             25743, Commercial Pilot Flight I 2
             35644, Instrument Flight Theory 3
             35645, Instrument Pilot Flight 2

            35647, Commercial Pilot Flight II 2
            35746, Commercial Pilot Theory 2
            35747, Commercial Pilot Flight III 2
            45648, Theory of Flight Instruction 2
            45649, Flight Instructor - Airplanes 2
            45653, Multi-Engine Pilot Flight 1
            45710, Turbine Engine Theory and Operation 2
            45711, Turbine Engine Theory and Operation Lab 1
            45720, Crew Resource Management 2
            45721, Crew Resource Management Lab 1
     Choose one from: *3*
            45730, Applied Transport Category Aircraft Systems (3)
            45740, Flight Management and Electronic
                    Display Systems (3)
     Related Courses *12*
     TECH 35341, Air Trans. Systems 3
            45130, Phys. and Human Factor of Flight 3
            45151, Applied Flight Dynamics II 3
            45250, Aviation Law and Safety 3
VIII. **Non-Major Requirements** 2
            Technology Electives (2)
                                                    _____
                                                    TOTAL   128

Students must complete all lower-division math, basic science and nonflight technology courses before registering for non-flight upper-division technology courses.

A minimum of 39 upper-division hours within the 128 total semester hours are required.

A minimum 2.25 GPA in the major requirements and a minimum 2.00 overall GPA are required.

Students must also satisfy the university Diversity Requirements.

*MATH 12001, which is a prerequisite for MATH 12002, should be bypassed by students with sufficient background.

BACHELOR OF SCIENCE DEGREE

Industrial Technology

Industrial technology programs are closely related to the fields of electronic, industrial and manufacturing engineering, and prepare students for employment in technical, scientific and managerial positions. Each of the industrial technology concentrations consists of a liberal arts base combined with appropriate studies in the natural sciences, technology and management.

The industrial technology graduate may be employed in various positions, including the following: manufacturing or electronics technologist, technical sales representative, engineering assistant, technical supervisor/manager, computer-aided design (CAD) specialist, and entry-level engineer. Graduates may be involved in research and development (R&D) activities while working closely with engineering personnel.

Within the industrial technology major, students may choose either the electronics concentration or the manufacturing engineering technology concentration. Additionally, a "2+2" concentration is available for graduates of associate's degree programs.

Electronics Concentration

I. **Composition** **9**
ENG 10001, 10002, College English I, II 6
20002, Technical Writing 3
II. **Mathematics, Logic and Foreign Languages** **20**
CS 10061, Introduction to Computer Programming 3
MATH 12001, Algebra and Trigonometry 4
12002, Analytic Geometry and Calculus I 5
12003, Analytic Geometry and Calculus II 5
21001, Linear Algebra with Applications 3
III. **Humanities and Fine Arts** **9**
COMM 15000, Theory and Practice of Oral Discourse 3
Plus 6 hours 6
Choose from the Humanities and Fine Arts LERs.
IV. **Social Sciences** **9**
ECON 22060, Principles of Microeconomics 3
22061, Principles of Macroeconomics 3
Social Science elective from LERs 3
V. **Basic Sciences** **15**
CHEM 10060, General Chemistry I 4
10062, General Chemistry I Lab 1
PHY 23101, 23102, General University Physics I, II 10
VI. **US 10001, University Orientation** **1**
VII. **Major Requirements** **41**
Technology Core:
TECH 10001, Information Technology 3
13580, Engineering Graphics I 3
20004, Electrical Circuits I 3
Technology:
TECH 23224, Electrical Circuits II 3
23581, Computer Aided Engineering Graphics 3
33220, Analog Electronics 3
33222, Digital Design and Applications 3
33223, Electronic Communication 3
33225, Industrial Control Systems 3

33580, Engineering Graphics for Electronics 3
43026, Microprocessor Systems 3
43220, Electrical Machinery 3
43221, Control Systems and Robotics 3
43800, Applied Engineering Technology Seminar 2
VIII. **Business:** **6**
M&IS 24056, Principles of Business Statistics 3
24163, Principles of Management 3
IX. **Electives** **16**
At least 1 hour from Technology courses.

TOTAL	**126**

Students should complete technology core sequence and all required lower-division math and science courses before registering for upper-division technology courses.

Minimum of 39 upper-division hours required.

Minimum 2.00 overall GPA required.

Minimum of 2.25 required in major and field of concentration GPAs.

American Assembly of Collegiate Schools of Business accreditation standards prohibit nonbusiness majors from taking more than 25 percent of their degree requirements in business courses. Therefore, no more than 30 semester credit hours may be counted toward stated degree requirements.

Manufacturing Engineering Technology Concentration

I. **Composition** **9**
ENG 10001, 10002, College English I, II 6
20002, Technical Writing 3
II. **Mathematics, Logic and Foreign Languages** **17**
CS 10061, Introduction to Computer Programming 3
MATH 12001, Algebra and Trigonometry 4
12002, 12003, Analytic Geometry and Calculus I, II . . . 10
III. **Humanities and Fine Arts** **9**
COMM 15000, Theory and Practice of Oral Discourse 3
Plus 6 hours 6
From the Humanities and Fine Arts LERs.
IV. **Social Sciences** **9**
ECON 22060, Principles of Microeconomics 3
22061, Principles of Macroeconomics 3
Plus 3 hours of Social Science 3

School of Technology

From the LERs.

V.   Basic Sciences **16**
CHEM   10050, Fundamentals of Chemistry 3
PHY   23101, 23102, General University Physics I, II 10
            32551, Mechanics 3

VI.   US 10001, University Orientation 1

VII.   Technology Core **12**
TECH   10001, Information Technology 3
            13580, Engineering Graphics I 3
            20002, Materials and Processes 3
            20004, Electrical Circuits I 3

VIII. Technology **38**
TECH   23224, Electrical Circuits II 3
            23581, Computer-Aided Engineering Graphics 3
            31020, Automated Manufacturing 3
            31065, Cast Metals 3
            33033, Hydraulics/Pneumatics 3
            33363, Metallurgy and Material Science 3
            33111, Strength of Materials 3
            43080, Industrial and Environmental Safety 3
            43220, Electrical Machinery 3
            43550, Computer Aided Manufacturing 3
            43580, Computer-Aided Machine Design 3
            43700, Computer Integrated Manufacturing 3
            43800, Applied Engineering Technology Seminar 2

IX.   Business: 9
ACCT   23020, Introduction to Financial Accounting 3
M&IS   24056, Principles of Business Statistics 3
            24163, Principles of Management 3

X.   Electives 10
            Choose 10 hours from the following: **10**
M&IS   34060, Operations Management (3)
            34180, Human Resource Mgmt. (3)
            44063, Quality and Cost Control (3)
TECH   31000, Cultural Dynamics of Technology (3)
            31016, Manufacturing Tech. (3)
            33056, Cooperative Education (1-6)
            33220, Analog Electronics (3)
            33222, Digital Design and Applications (3)
            33223, Elect. Communications (3)

TOTAL	**130**

Students must complete technology core sequence and all required lower-division math and science courses before registering for upper-division technology courses.

Minimum of 39 upper-division hours required.

American Assembly of Collegiate Schools of Business accreditation standards prohibit nonbusiness majors from taking more than 25 percent of their degree requirements in business courses. Therefore, no more than 30 semester credit hours may be counted toward stated degree requirements.

"2 + 2" Concentration for Associate's Degree Graduates

The "2 + 2" concentration in industrial technology provides a course of study for associate's degree graduates who desire to complete a Bachelor of Science degree in industrial technology. It allows graduates to apply all or nearly all of the coursework completed in the associate's degree program toward the B.S. degree, broadens students' backgrounds, and allows the students to gain additional technical and managerial depth. A unique feature of the Kent State University program is its flexibility, including 15 upper-division technical elective hours that the students select in consultation with a School of Technology adviser.

Industrial Technology "2 + 2"

I.   Composition 9
ENG   10001, 10002, College English I, II 6
            20002, Technical Writing 3

II.   Mathematics, Logic and Foreign Languages 9
MATH* 12001, Algebra and Trigonometry 4
        * 12002, Analytic Geometry and Calculus I 5

III.   Humanities and Fine Arts 9
COMM 15000, Theory and Practice of Oral Discourse 3
Select 6 hours 6
Choose from Humanities and Fine Arts from the LERs.

IV.   Social Sciences 9
ECON   22060, Principles of Microeconomics 3
            22061, Principles of Macroeconomics 3
Select 3 hours 3
Choose from Social Sciences from the LERs.

V.   Basic Sciences 10
PHY   * 13001, 13002, General College Physics I, II 10

VI.   US 10001, University Orientation 1

VII.   Major Requirements: 34
Courses accepted by the School of Technology as transfer credit.

VIII. Technical Electives (Upper Division)** 15

IX.   Business: 21

Accounting, Economics, Finance, Management and Information Systems. At least 12 hours must be upper-division.

X.   **General Electives** **12**

                                         TOTAL   129

*Or equivalent.

**Technical electives must be chosen in consultation with a faculty adviser.

Minimum of 27 upper-division hours required (with associate's degree).

American Assembly of Collegiate Schools of Business accreditation standards prohibit nonbusiness majors from taking more than 25 percent of their degree requirements in business courses. Therefore, no more than 30 semester credit hours may be counted toward stated degree requirements.

Management Technology "2 + 2"

I.   **Composition** **9**
     ENG   10001, 10002, College English I, II 6
     **** 20002, Technical Writing 3
II. **Mathematics, Logic and Foreign Languages** **9**
     MATH* 11011, College Algebra 4
           Choose one from **2-4**
         * 11022, Trigonometry (2)
           12001, Algebra and Trigonometry (4)
           Choose one from **3-5**
         * 11012, Intuitive Calculus (3)
           12002, Analytic Geometry and Calculus I (5)
III. **Humanities and Fine Arts** **9**
     COMM 15000, Theory and Practice of Oral Discourse 3
     Select 6 hours 6
     Choose from Humanities and Fine Arts from the LERs.
IV. **Social Sciences** **9**
     ECON   22060, Principles of Microeconomics 3
            22061, Principles of Macroeconomics 3
     PSYC   11762, General Psychology 3
V.   **Basic Sciences** **10**
     Select from PHY, CHEM, BSCI
VI. **US 10001, University Orientation** **1**
VII. **Major Requirements** **34**
     ACTT   11000, Accounting I — Financial 4

     BMRT 11000, Introduction to Business 3
           11009, Introduction to Management Technology 3
           21000, Business Law and Ethics I 3
           21004, Introduction to Business Statistics 3
           21006, Human Resources Management 3
           21008, Case Studies in Management Technology 3
           21009, Seminar in Management Technology 3
           21011, Fundamentals of Financial Management 3
           21050, Fundamentals of Marketing Technology 3
           21052, Professional Selling Techniques 3
VIII. **Technical Requirements** **15**
     TECH**20002, Materials and Processes 3
           31016, Manufacturing Technology 3
           31020, Automated Manufacturing 3
           33056, Cooperative Education —
                  Professional Development 3
           43080, Industrial and Environmental Safety 3
     Technology Elective (Upper-Division) 3
IX. **Business Requirements***** **21**
     ACCT   23021, Introduction to Managerial Accounting 3
     COMT 11000, Introduction to Computer Systems 3
     FIN   36053, Business Finance 3
     M&IS   34060, Operations Management 3
            44063, Quality and Cost Control 3
     MKTG 35025, Supply Chain Management 3
     Business Elective (Upper-Division) 3
     Recommend: M&IS 34056, Intermediate Statistics
X.   **General Electives** **12**

                                         TOTAL   129

*May substitute MATH 11011 and 11022 for 12001; may substitute MATH 11012 for 12002.

**May substitute MERT 12004 for TECH 20002.

**This is an associate's degree requirement and does not apply to this B.S. degree. It is however, a prerequisite to TECH 31016.

**TECH 13580 should be taken before MERT 12004.

***Completion of all prerequisites required.

****May substitute OMRT 21038 for ENG 20002.

MINORS IN THE SCHOOL OF TECHNOLOGY

Flight Technology

TECH	15740, Elements of Flight Theory	5
	15741, Private Pilot Flight	3
	25250, Elements of Aviation Weather	2
	25743, Commercial Pilot Flight I	2
	35644, Instrument Flight Theory	3
	35645, Instrument Pilot Flight	2
	35647, Commercial Pilot Flight II.	2
	35746, Commercial Pilot Theory	2
	35747, Commercial Pilot Flight III	2
	TOTAL	**23**

Electronic Technology

Prerequisite:
MATH*12001, Algebra and Trigonometry (4)
Courses:

TECH	20004, Electrical Circuits I	3
	23224, Electrical Circuits II	3
	33220, Analog Electronics	3
	33222, Digital Designs and Applications	3
	33580, Engineering Graphics for Electronics	3
	43026, Microprocessor Systems	3
	TOTAL	**18**

Or equivalent.

Technology

MATH**12001, Algebra and Trigonometry		4
TECH	10001, Information Technology	3
	13580, Engineering Graphics I	3
	20001, Energy/Power	3
	20002, Materials and Processes	3
	21021, Survey of Electricity and Electronics	4
	23581, Computer-Aided Engineering Graphics	3
	31000, Cultural Dynamics of Technology	3
Technology Electives		2
	TOTAL	**28**

**If MATH 12001 has been taken previously, these hours must be
completed as technology electives.*

MINORS IN OTHER COLLEGES/SCHOOLS

In addition to the departmental minors, undergraduate students in the School of Technology can select from a wide range of minors offered by other colleges and schools at Kent State University.

Arts and Sciences Minors
The following minors within the College of Arts and Sciences are available to all undergraduate students at Kent State University. Please see pages 145-163 for program requirements.

African Studies
American Studies
Anthropology
Applied Conflict Management
Applied Mathematics
Asian Studies
Biological Sciences
British Studies
Cartography
Chemistry
Classics
Climatology
Comparative Literature
Computer Science
Economics
English
French
Geography
Geology
German
German Studies
Greek
Health Care Ethics
Hellenic Studies
History
Jewish Studies
Justice Studies
Latin
Lithuanian Studies
Mathematics
North Atlantic Security Studies
Pan-African Studies
Paralegal Studies
Philosophy
Physics
Political Science
Pre-Law
Psychology
Religion Studies
Romanian Studies

Russian
Russian Studies
Sociology
Spanish
Urban Studies and Planning
Women's Studies
The Writing Minor

Business Administration
The following minors within the College of Business Administration
are available to all undergraduate students at Kent State University.
Please see pages 180-185 for program requirements.

Accounting
Business
Computer Information Systems
Economics
Finance
International Business
Management
Marketing
Military Studies

Education
The following minors within the College of Education are available
to all undergraduate students at Kent State University. Please see
pages 224-225 for program requirements.

Community Health Education
Human Sexuality

Fine and Professional Arts
The following minors within the College of Fine and Professional
Arts are available to all undergraduate students at Kent State Uni-
versity. Please see pages 234-238 for program requirements.

Advertising
Art History
Communication Studies
Crafts
Dance*
Design
Electronic Media
Family and Consumer Studies (General)
Gerontology
Hospitality Food Service Management
Media Literacy
Music*
Photo Illustration
Public Relations

Studio Art
Theatre
Visual Journalism

*Auditions are required before acceptance into the dance or music
minors.*

School of Exercise, Leisure and Sport
The following minors within the School of Exercise, Leisure and
Sport are available to all undergraduate students at Kent State Uni-
versity. Please see pages 263-264 for program requirements.

Athletic Coaching—Non-PE Majors
Leisure Studies
Sport Management for Non-Majors

THE REGIONAL CAMPUSES
Advising Offices Are Located At
The Individual Campuses.

See the next two pages for
the campus nearest you.

THE REGIONAL CAMPUS NETWORK

The Regional Campuses are a network of seven community-oriented institutions within the university. Three of them, the Ashtabula, East Liverpool and Salem Campuses, are named for the cities where they are located. The other four, the Geauga, Stark, Trumbull and Tuscarawas Campuses, are named for their counties and are located near the cities of Burton, Canton, Warren, and New Philadelphia, respectively.

All of the Regional Campuses are accredited by the North Central Association of Colleges and Secondary Schools. Some associate's degree programs have also earned special accreditation. The Nursing program is accredited by the National League for Nursing, and the Electrical/Electronics and the Mechanical Engineering Technology programs at the Tuscarawas Campus are accredited by the Technology Accreditation Commission of the Accreditation Board of Engineering and Technology (TAC/ABET). Salem's Radiologic Technology program is accredited by a committee on Allied Health Education and Accreditation. The American Physical Therapy Association has accredited East Liverpool's program. East Liverpool's Occupational Therapy Assisting program is accredited by the American Occupational Therapy Association Inc. in collaboration with the Committee on Allied Health Education and Accreditation and the American Medical Association.

MISSION

The mission of the Regional Campuses is to extend to the residents of Northeast Ohio access to the quality higher education programs and services of Kent State University. The campuses share the liberal education goals of the university and strive to meet the needs of society with technical programs that help prepare a paraprofessional work force. The campuses are an entry point to higher education for high school graduates, and they provide access for persons who see the campus as a way to build a secure and better life for themselves. The campuses provide coursework at the freshman and sophomore levels in technical and baccalaureate areas, in the university's 36-hour LERs, associate's degree programs, continuing study, basic skills classes, as well as selected junior, senior and graduate courses. For students, the campuses are close to home and affordable, and many enroll on a part-time basis. The campuses provide the breadth of programs and services necessary for a successful college experience, have the distinctive feature of being part of the larger university, and provide their communities with public service activities of an educational nature for personal growth and development.

THE CAMPUSES

The Ashtabula Campus
3325 W. 13th St., Ashtabula, OH 44004, (440) 964-3322, (440) 964-4269 (FAX), www.ashtabula.kent.edu, which occupies an 80-acre site on the shores of Lake Erie, comprises three buildings: Main Hall, a large three-winged structure radiating from an open courtyard, a library, and a technology and art building. The site also features an outdoor performing arts platform located in a large grove, baseball diamonds and tennis courts. In addition to offering a variety of cultural, social and student activities, the campus also offers academic support services, continuing studies, developmental education, certificate programs, the first two years of most baccalaureate programs, and two-year associate's degrees in business, engineering, human services, nursing, physical therapy assisting and computer technologies.

The East Liverpool Campus
400 E. 4th St., East Liverpool, OH 43920, (330) 385-3805, (330) 385-6348 (FAX), www.kenteliv.kent.edu, occupies a downtown site overlooking the Ohio River and includes the Main Building, Memorial Auditorium, Mary Patterson Building and a Commons. The campus offers associate's degree programs in accounting, business management, computer technology, justice studies, general studies, legal assisting, nursing, occupational therapy assisting, physical therapy assisting, technical studies and the first two years of baccalaureate programs. Academic support services offer students a comprehensive developmental education program and excellent library and microcomputer facilities. Cultural and social activities for students and citizens of the tri-state area include the Community Lecture Series, Ohio River Arts Festival and Kids on Campus.

The Geauga Campus
14111 Claridon-Troy Road., Burton Twp., OH 44021, (440) 834-4187, (216) 951-1447 (Cleveland), (440) 834-8846 (FAX), (440) 834-4486 (TDD), www.geauga.kent.edu, which lies at the heart of Ohio's maple syrup country, provides easy access to urban, suburban and rural areas. In addition to offering several cultural, social and student activities, the campus also offers training for area businesses and industries, academic support services, developmental education, certificate programs, the first two years of baccalaureate programs, programs in business management, computer technologies, occupational therapy assisting and technical studies.

The Salem Campus
2491 SR 45 South, Salem, OH 44460, (330) 332-0361, (330) 332-9256 (FAX), www.salem.kent.edu, which occupies a site just south of the city, features a lake and a 25-acre outdoor classroom and nature walk. In addition to offering a variety of cultural, social and student activities, the campus offers continuing studies, liberal arts core, academic support services, developmental education, the first two years of baccalaureate programs, and programs in business, engineering, environmental health, horticulture, human services and computer technologies.

The Stark Campus
6000 Frank Ave. NW, Canton, OH 44720, (330) 535-3377 (Akron)
or (330) 499-9600 (Canton), (330) 494-6121 (FAX),
www.stark.kent.edu, offers the first two years of study in most Kent
State University baccalaureate programs, as well as selected upper-
division and graduate courses. Located on a 200-acre site in rolling
terrain just south of the Akron-Canton Regional Airport, Stark is the
largest of Kent State's Regional Campuses. The campus maintains
arrangements with numerous community, cultural and business
organizations to offer a wide range of programs and services to the
local area. In addition to offering a variety of cultural, social and
student activities, the campus also offers continuing studies, man-
agement and small business development expertise, developmental
education and academic support services.

The Trumbull Campus
4314 Mahoning Ave. NW, Warren, OH 44483, (330) 678-4281
(Kent) or (330) 847-0571 (Warren), (330) 847-6172 (FAX),
www.trumbull.kent.edu, is located just north of the Route 5 bypass
on State Route 45. Trumbull students have more than 170 major
career fields to explore. Offering the first two years of baccalaureate
degree programs, the campus also awards associate's degrees in
13 areas of study, selected graduate courses, developmental educa-
tion courses, a varied continuing studies program and a strong lib-
eral arts core. Campus facilities include a theater, tennis courts and
a one-mile fitness trail. The campus also offers a variety of social
and cultural activities for area residents and a wide variety of stu-
dent activities, academic support services, and programs for busi-
ness and industry.

The Tuscarawas Campus
330 University Drive NE, New Philadelphia, OH 44663, (330) 339-
3391, (330) 339-3321 (FAX), www.tusc.kent.edu, occupies a site
that is within a few minutes of a number of important historical
areas, including the Ohio Outdoor Drama, which performs "Trum-
pet in the Land" during the summer; Schoenbrunn Village, Ohio's
first European settlement; the airport where John Glenn, America's
first man into orbit, took his first flying lessons; and the Warther
Museum, famous for its collection of carvings. In addition to a vari-
ety of cultural, social and student activities, the campus offers con-
tinuing studies, academic support services, developmental
education, certificate programs, the first two years of baccalaureate
programs, and programs in business, computer, engineering tech-
nologies, environmental safety and nursing.

SCHOOL OF TECHNOLOGY
Kent State University's School of Technology, Van Deusen Hall,
Kent, OH, (330) 672-2892, www.tech.kent.edu, part of the Regional
Campus Network, offers technology-based programs that will pro-
vide students with the skills needed to compete in today's job mar-

ket. With more than 25 programs—at the certificate, associate's,
bachelor's and master's degree levels—throughout Kent State's
eight-campus network, a talented faculty, and flexible class sched-
ules that include evening, weekend, distance learning and Web-
based classes, the School of Technology has a program to match
your needs and interests. *(The undergraduate programs are
described under School of Technology.)*

On the Kent Campus, the School of Technology offers four-year
programs in Aeronautics, Industrial Technology, and Technology.
At Kent State's seven Regional Campuses, the school has two-year
degrees in Applied Business, Applied Science, and the Associate of
Technical Studies. Programs in these areas include technology,
computer technology, business technology, industrial technology,
engineering technology and environmental technology. Many of the
credits earned in the school's associate's degrees can be applied
toward the "2+2" program for a B.S. degree in Technology or
Industrial Technology. These programs are described under *"2+2"
Concentration for Associate's Degree Graduates*.

ADMISSION
Students interested in attending a Regional Campus may obtain
admission forms from any of the campuses or from the Regional
Campus office, located in the Lincoln Building on the Kent Campus.
Admission is open to anyone with a high school diploma or its
equivalent. Part-time early admissions opportunities are available
for qualified high school students in consultation with an adviser. In
programs with special admission requirements, admission deci-
sions and judgments, made by the director of the program follow-
ing normal faculty consultative procedures, take into account
factors such as life experience, level of motivation, concern for
under-represented groups in the program, as well as indicators
such as GPA or ACT score.

Each Regional Campus has staff members available to discuss
admissions, financial aid opportunities and programs with prospec-
tive students.

Registration dates, times and procedures vary from campus to
campus. Registration information at a particular campus can be
obtained from that campus or from the Regional Campus office
located in the Lincoln Building on the Kent Campus.

Because the seven Regional Campuses and the Kent Campus com-
prise one university system, access and mobility among these cam-
puses is encouraged and facilitated. Even so, there are some
differences between the Kent Campus and the Regional Campuses
in freshman and transfer admission requirements.

KENT CAMPUS REFERRALS

Specifically, freshman admission eligibility at the Kent Campus is based upon an applicant's cumulative high school GPA and in some cases, standardized test scores and the college preparatory curriculum. Students not meeting the freshman admission criteria for the Kent Campus and who wish to enter the Kent State University system must enroll for at least one semester at a Regional Campus. Enrollment in the Regional Campuses permits students to take advantage of smaller class sizes, more individualized advising services, and a wider range of developmental programs.

For the deferred freshman or transfer student who enrolls at a Regional Campus to obtain the best possible foundation for academic success, it is recommended that the student complete the following minimum academic achievements before enrolling at the Kent Campus:
1. Successfully complete any developmental coursework as prescribed by an academic adviser.
2. Successfully complete 12 semester hours of coursework.
3. Achieve a minimum cumulative GPA of 2.00.

Students are strongly encouraged to work closely with their academic adviser in planning for the transition to the Kent Campus.

STUDENT SERVICES AND FINANCIAL AID

Each Regional Campus provides a number of student services. One of the most important services is providing information about financial aid and scholarships. For students who qualify, a number of financial aid opportunities are available, including the Federal Perkins Loan, the Ohio Instructional Grant Program, the Federal Pell Grant Program and other special aid programs. Financial help may also be available through the Federal College Work-Study Program or through other part-time job opportunities. Local employers often seek part-time help through Regional Campus offices.

While each campus has scholarship funds available, the amount and number of scholarships and the requirements for them vary considerably. All of the campuses have funds available for short-term loans. Because of the variety in number and character of these programs, it is suggested that interested students contact the financial aid adviser of the campus they wish to attend.

Other student services at the Regional Campuses include, but are not limited to, preadmission counseling, academic advising, child care and career counseling.

ACADEMIC SUPPORT SERVICES

An important feature of the Regional Campuses is a commitment to help students become successful. Many students enter directly from high school, while others combine full-time jobs and families with classwork. Success in college depends largely upon skills in reading, studying, mathematics and composition.

Basic Skills Assessment: Free testing is available and is required of all students to assess learning skills. This information is used by students and advisers to determine course placement. If testing shows the need for additional preparation in reading, studying, mathematics or composition, support courses are available to meet these needs and will be required.

Academic Support Courses:
MATH 10004, Developmental Mathematics, 4 credit hours. This course focuses on a review of arithmetic and an introduction to algebra. It covers real numbers, integers, equations and decimals. The hours are not counted toward graduation. Prerequisite: Assessment testing or permission.

ENG 10000, Introduction to College English, 3 credit hours. This course examines the structure of the sentence and the paragraph, as well as grammar and its mechanics. Prerequisite: Test score.

MATH 10005, Introduction to College Math, 3 credit hours. The topics included in this course are: number systems, exponents, polynomials, the Cartesian coordinate system, linear and quadratic equations, and inequalities. Prerequisite: Appropriate placement test score or grade of C or better in MATH 10004; no previous mathematics courses.

US 10003, Reading Strategies for College Success, 3 credit hours. Emphasis in this course is placed on improving reading comprehension. Prerequisite: Assessment testing or permission.

US 10006, Study Strategies for College Success, 3 credit hours. This course assists students to develop the reading skills necessary for successful completion of college coursework. Prerequisite: Assessment testing or permission.

College credit is received for these courses; however, not all courses can be counted toward degree requirements in some courses of study.

Support Services: These services include peer tutors, who are available for certain courses, and special assistance in writing, reading and mathematics. Also available are skill development centers, learning centers and workshops in writing.

University Orientation: US 10001 (University Orientation) is required of all freshmen and transfer students entering the university with 24 semester hours or less. It is designed to help make the transition to college, to familiarize individuals with campus life, services, expectations and to suggest techniques that can improve student success.

Advising

Regional Campuses consider advising to be an essential component in student success. Professional staff provide general advising, while faculty have primary responsibility for major advising.

Cost

Because the university is state-supported, fees are adjusted to provide quality education at the lowest possible cost. One important advantage to students attending a Regional Campus is that they can live at home, thus saving room and board expenses.

STUDENT DISABILITY SERVICES

The Regional Campuses of Kent State University are committed to provide equal access to students with disabilities. Each campus has a Student Disability Services Coordinator who works with students to identify appropriate academic accommodations and support services to foster success at the university. Services for students with disabilities are determined by appropriate educational, medical and/or psychological documentation which the student provides. After documentation is reviewed and the disability is verified, students receive a letter of accommodations to present to instructors, and instructors will then work with students to meet their individual needs in the classroom. If students are requesting accommodations, it is suggested that they make contact with the Student Disability Services Coordinator on the campus they plan to attend at least two months prior to enrollment so that accommodations can be in order at the beginning of the semester. Contact the Student Disability Services Coordinator for more information.

THE ASSOCIATE'S DEGREE

Associate's degrees are degrees awarded for the successful completion of 61 or more semester hours of coursework. They are designed to fulfill two major purposes: (1) to permit students to complete the freshman and sophomore years of a baccalaureate program, or (2) to prepare them for immediate employment in some technology field.

While associate's degrees are awarded after the successful completion of at least 61 semester hours, it should be noted that most programs actually require additional hours to complete. Students who are studying part-time should expect to take more than two years to complete their programs.

Baccalaureate Study on Regional Campuses

Each Regional Campus offers programs designed to complete the freshman and sophomore years of most of the baccalaureate degrees offered by the university. The intention of such programs is to provide students interested in eventually obtaining a four-year degree the opportunity of beginning it while remaining at home. It is expected that such students will eventually move to the Kent Campus or transfer to some other baccalaureate degree-granting institution to complete the degree.

Completion of the freshman and sophomore years of a baccalaureate degree program leads to the award of the Associate of Arts or Associate of Science degrees.

Associate of Arts: This degree is awarded to students who successfully complete a minimum of 61 semester hours toward the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Business Administration, the Bachelor of General Studies or the Bachelor of Music degrees.

Associate of Science: This degree is awarded to students who successfully complete a minimum of 61 semester hours toward a Bachelor of Science degree.

"2 + 2" Baccalaureate Degree Programs

Several baccalaureate degree programs at Kent State University can often be completed with approximately two years of additional full-time study after completion of an associate's degree in the technologies at Regional Campuses. *Some course selections leading to associate's degrees are more acceptable than others as components of baccalaureate degrees, and exact requirements for additional study vary.* Students interested in "2 + 2" baccalaureate programs should see an adviser at the earliest possible date.

Liberal Education Requirements

Candidates for the Associate of Arts and the Associate of Science degrees must fulfill the LERs. Other Regional Campus students who intend to earn a bachelor's degree at Kent will also be expected to fulfill these requirements eventually. (See pages 77-80 of this *Catalog* for specific information about the LERs.)

Students in Associate of Applied Science and Associate of Applied Business degree programs are expected to choose their General Studies courses from the Liberal Education Requirements list. *All exceptions must be approved by the students' academic adviser.* The availability of specific LER courses varies by campus.

Technical Programs

The purpose of associate's degree programs in technical areas is to prepare graduates for immediate employment. To accomplish this, the following associate's degrees are offered:

Associate of Applied Business: This degree is awarded to students who successfully complete prescribed coursework in any of the following business technology programs: accounting technology, banking and finance technology, business management technology, computer technology or office technology.

Associate of Applied Science: This degree is awarded to students who successfully complete prescribed coursework in any of the following environmental, health or engineering technologies: automotive engineering technology, early childhood education technology, electrical/electronic engineering technology, environmental technology, environmental management technology, horticulture technology, human services technology, laboratory technology, legal assisting technology, manufacturing engineering technology, mechanical (integrated manufacturing) engineering technology, nursing, occupational therapy assisting technology, plastics technology, physical therapy assisting technology, radiologic technology, or systems (industrial) engineering technology.

Associate of Technical Study Degree-Category A: This degree requires a minimum of 65 hours selected in consultation with an academic adviser from existing courses at that campus. The program permits students to develop a curriculum based on specific career objectives that are not served by existing degree programs.

Associate of Technical Study Degree-Category B: This degree provides associate's degree-level completion based on a technical certificate or other formal technical training program acquired outside Kent State University. (See ATS—*Industrial Trades Technology*, page 349.)

Options in Technical Programs

Some business and engineering technology programs have different options from which students can choose. While options provide students with more opportunities for study, not all options possible within a program are offered at all campuses. Students should check with an adviser to see what program options are available at the campus they are attending.

Certificate Programs

The Regional Campus network awards certificates to students who successfully complete a course of study designed to meet a specific need and which has been designated a Certificate Program and properly approved as such. These programs consist of no less than 15 credit hours and no more than 30.

Students wishing to participate in certificate programs must meet the standards set forth in the University Admissions Policy, except where a program has been designed for a group with unique needs, such as a contract training group.

Students already enrolled at Kent State must declare their intent to pursue a certificate before completing 50 percent of the courses required. Courses completed pass-fail or Credit-By-Exam will not count as part of the certificate requirements. If a student has already completed a program requirement by pass-fail or Credit-By-Exam, an alternative requirement will be designated.

To successfully earn a certificate, students must achieve a 2.00 cumulative GPA in the courses required for the program.

Opportunities for Study Beyond the Associate's Degree

While it is understood that Associate of Arts and Associate of Science degree programs eventually lead students into a baccalaureate program, opportunities for continued study by students who complete an associate's degree in a technical field are also available.

Many credits earned in a technical associate's degree program are applicable to baccalaureate degrees both at Kent State and at other colleges and universities. Which credits apply depends upon the associate's degree earned and the baccalaureate degree toward which students wish to work.

The "2 + 2" program permits students who hold an associate's degree in an appropriate field to complete the Bachelor of Science in approximately two years of additional study. For additional information, please consult page 328 of this *Catalog*.

BACHELOR OF SCIENCE

Management and Industrial Studies

The management and industrial studies major in the Bachelor of Science is an interdisciplinary degree program designed to provide students with communication skills and human relations and management skills, as well as the technical expertise needed within many levels of business and industry. Such a broad-based background is especially appropriate for individuals already working and needing to strengthen their professional skills, entry-level employees interested in moving into supervisory or managerial positions, and individuals interested in small business organizations that require a small work force with breadth of knowledge and experience.

The major is based on a core set of courses drawn from the four areas of communication studies, social sciences, management and information systems and technology. Students will also complete an additional 12 semester hours from these four areas, with no

more than 6 semester hours from any one area, to further develop a broad knowledge base. Electives, selected in consultation with an academic adviser, may be used to further develop a selected area of interest.

Management and Industrial Studies

The management and industrial studies major in the Bachelor of Science degree program requires a total of 121 semester hours of successfully completed credits. In addition, 42 of those 121 hours must be at the upper-division (3/40000) level. Students must complete the degree with at least a 2.00 cumulative GPA.

I. **COMPOSITION** **6**
ENG 10001, 10002, College English I, II
Based on test scores, students may be required to take ENG 10000.

II. **MATHEMATICS, LOGIC and FOREIGN LANGUAGES** **12**
One foreign language or American Sign Language or
      equivalent in proficiency 8
Mathematics 4
Students must pass one of the courses listed below or establish proficiency.
MATH 11011, College Algebra (4)
     12001, Algebra and Trigonometry (4)
Restrictions:
Since MATH 12001 covers the same content as 11011 plus 11022, credit is not allowed for both 12001 and 11011, or for both 12001 and 11022.

III. **HUMANITIES and FINE ARTS** **9**
COMM 15000, Theory and Practice of Oral Discourse 3
PHIL D21001, Introduction to Ethics .3
Humanities or Fine Arts Elective 3

IV. **SOCIAL SCIENCES** **9**
ECON 22060, Principles of Microeconomics 3
PSYC 11762, General Psychology 3
SOC D*12050, Introduction to Sociology 3

V. **BASIC SCIENCES** **9**
Nine hours must be selected from the basic sciences require-ment on page 79 under "Liberal Education Requirements."

VI. **DIVERSITY**
The program requirements include the required 6 hours of Diver-sity. (See the courses above marked with a "D." Courses with a domestic perspective are additionally marked with an asterisk {}.)*

VII. **US 10001, University Orientation** **1**
MAJOR REQUIREMENTS **61-68**
ACCT 23020, Introduction to Financial Accounting 3
    23021, Introduction to Managerial Accounting 3

COMM 25863, Business and Professional Speaking 3
    35550, Small Group Communication 3
ECON 22061, Principles of Macroeconomics 3
M&IS 24053, Introduction to Computer and
      Information Systems 3
    24056, Fundamentals of Business Statistics 3
    24163, Principles of Management 3
    34060, Operations Management 3
    34180, Human Resource Management 3
PSYC 31773, Industrial Psychology 3
SOC 32510, Sociology of Work 3
TECH 31000, Cultural Dynamics of Technology 3
    43700, Computer Integrated Manufacturing 3
    Choose one from: ***1-6***
TECH 33056, Cooperative Education —
      Professional Development (1-6)
    43096, Individual Investigation in Applied
      Science and Technology (1-3)
    Choose one from: ***3***
ENG 20001, Business Writing (3)
    20002, Technical Writing (3)
    Choose one from: ***3-5***
MATH 11012, Intuitive Calculus (3)
    12002, Analytic Geometry and Calculus I (5)
Additional Coursework ***12***
Select 12 additional hours from the following with no more than 6 from any one group:
SOCIAL SCIENCES
PSYC 30821, Psychology of Motivation (3)
    41532, Social Psychology (3)
SOC 42564, Bureaucratic Organizations (3)
COMMUNICATION
COMM 35864, Organizational Communication (3)
ENG 30063, Advanced Business and Professional Writing (3)
    30064, Argumentative Prose Writing (3)
    30065, Expository Prose Writing (3)
    31001, Fundamental English Grammar (3)
TECHNOLOGY
TECH 31020, Automated Manufacturing (3)
    41055, Industrial Practice (3)
    43080, Industrial and Environmental Safety (3)
UPPER-DIVISION BUSINESS
ACCT 33063, Cost Control and Analysis for Management (3)
FIN 36053, Business Finance (3)
M&IS 44150, Total Quality Management (3)

The interdisciplinary nature of the Bachelor of Science in Man-agement and Industrial Studies enables students to participate in upper-division courses offered through the College of Business Administration. Students in this major may take up to 25 percent

*or 30 semester hours of their degree requirements from the fol-
lowing departments: accounting, economics, finance, manage-
ment and information systems, and marketing. Up to 9 hours of
coursework in economics, including ECON 22060, ECON 22061
and three upper-division elective hours, will not be counted
toward the 30 semester-hour maximum. For purposes of the
Bachelor of Science in Management and Industrial Studies, stu-
dents may use approved Regional Campus equivalents for ACCT
23020, 23021, and M&IS 24053, 24056. Other courses from the
Regional Campuses' or any community college's applied technol-
ogy programs may be used or substituted for business-related
coursework only with the permission of an adviser.*

ELECTIVES *7-14*
3-8 hours need to be upper-division hours

TOTAL	121

*The 7-14 elective hours are needed to satisfy the minimum 121
total hour requirement. Depending upon the specific coursework
taken to satisfy the major requirements, 3-8 of these elective
hours must be taken at the upper-division level to satisfy the
minimum 42 upper-division hour requirement.*

ASSOCIATE'S DEGREE REQUIREMENTS

General Academic Requirements
In addition to completing a minimum of 61 semester hours of
approved coursework and meeting all program requirements, can-
didates for an associate's degree, entering the university in the Fall
Semester of 1980 or later with freshman standing, must also com-
plete University Orientation (US 10001), a 1-hour course.

To graduate, students must attain a minimum cumulative GPA of
2.00 for all coursework taken at Kent State University. Candidates
for the Associate of Applied Business and Associate of Applied Sci-
ence must attain a 2.00 cumulative GPA in the technical courses.

If students are required to take additional coursework to raise the
GPA in the technical core to 2.00, the course(s) will be selected in
consultation with the program adviser and approved prior to regis-
tration. It is required that such coursework be in the technical area.
Candidates for the Applied Science Degree in Nursing must attain a
mark of at least C in each nursing course.

Program Requirements
Before or upon completion of 32 semester hours, associate's
degree students are required to contact the student services office
at their campuses to obtain an official program requirement sheet.
This sheet should be completed in consultation with the students'
adviser and a copy returned to the student services office.

Requests for adjustments in program requirements must be
approved prior to enrolling in a course that is not in the prescribed
curriculum. Requests for adjustments will not be accepted during
the semester in which the students expect to graduate, except when
a course has been canceled at the beginning of that semester or
upon determination of the campus dean that there have been miti-
gating circumstances.

Residency Requirements
Students seeking an associate's degree must complete either the
first 45 or final 15 hours of their programs at Kent State University
to fulfill their residency requirement. This means that those hours
must be completed either at the Kent Campus, at the Regional
Campuses, or some combination of both. Credit earned by means
of transfer or correspondence courses do not count toward the
hours required to fulfill residency.

Requirements for Additional Degrees
To pursue concurrent associate's degrees, students must be in
good academic standing and enrolled officially for a first, or prima-
ry, associate's degree. Students may qualify to receive a concurrent
associate's degree by successfully completing all the requirements
for both and a minimum of 15 credit hours beyond those required
for the primary degree. To pursue a concurrent degree, students
must: (1) obtain advising from a faculty member in each degree
program, (2) complete a Program Requirement Sheet for each pro-
gram, and (3) receive approval from the Office of Vice Provost for
Regional Campuses. Only after approval is granted may students
enroll for a second degree. Students must enroll for both degrees
in time to meet graduation application deadlines for the semester in
which they expect to receive the degrees.

Students who hold an associate's, baccalaureate or graduate
degree and wish to pursue an associate's degree may do so by suc-
cessfully completing all program and residency requirements, in
addition to a minimum of 16 semester hours.

Because of the similarity in program requirements, the Associate of
Arts and the Associate of Science degrees may not be earned con-
currently; nor may either be awarded as an additional degree, when
one or the other has been previously conferred.

Pass-Fail, Advanced Placement and Credit Testing
Only pass-fail credits earned in experimental courses, CLEP, Credit-
By-Examination, and credit bearing advanced placement may be
applied toward degree requirements in the Associate of Applied
Business and Associate of Applied Science programs. The restric-
tions on pass-fail options for students seeking an Associate of Arts
or Associate of Science degree are presented in another section of
this *Catalog*.

The university policy on credit earned through advanced placement, CLEP and credit by examination is also presented in another section of this *Catalog*. Briefly, however, associate's degree students can earn no more than 15 semester hours through a combination of advanced placement, CLEP and Credit-by-Examination toward their degrees. Non-credit-bearing advanced placement waives a requirement or prerequisite but not credit hours necessary for the degree.

Transient Work at Another University
Students who wish to take coursework at another accredited institution of higher education must be in good standing and receive the prior approval of the campus dean if they intend to apply this work toward an associate's degree. Only coursework earning a C or better will be considered for transfer to Kent State University. Neither the GPA nor the grades earned are used in computing the Kent State GPA.

Correspondence Course Credit
Kent State does not offer correspondence courses. It will accept up to 6 semester hours of correspondence coursework from an accredited institution toward an associate's degree; however, provided each course carries a grade of at least C and is applicable to the students' associate's degree program. Correspondence credit does not count toward the residency requirement.

Graduation
Associate's degrees are conferred at each Regional Campus at the end of the semester in which all requirements are successfully completed.

Application for Graduation
Graduation applications, information and deadline dates may be obtained from Student Services at each Regional Campus. Completed application forms are to be returned by the deadline to that office. If students fail to carry out the proper application procedures, the degree will not be granted until the next graduation date.

Graduation with Distinction
Candidates for associate's degrees who demonstrate high levels of scholarship through their coursework are graduated with distinction. "With Distinction" is awarded when students achieve a GPA of 3.50 or better for all undergraduate coursework at Kent State University. In order for students to be considered for graduation "With Distinction" and have it inscribed on their diploma, a minimum of 32 credit hours must be completed at Kent State University. The students' GPA unadjusted by the application of the Academic Forgiveness Policy, Course Repeat Policy, or Freshman Rule for Recalculation of Grade Point Average will be used in determining "With Distinction."

ASSOCIATE'S DEGREES OFFERED AT EACH CAMPUS
The following is a list of associate's degrees offered at each Regional Campus.

ASHTABULA CAMPUS
Associate of Arts
  Justice Studies
Associate of Science
Associate of Applied Business
  Accounting Technology
  Business Management Technology
  Computer Technology
  Office Technology
Associate of Applied Science
  Early Childhood Education Technology
  Electrical/Electronic Engineering Technology
  Environmental Technology
  Human Services Technology
  Mechanical Engineering Technology
    (Integrated Manufacturing)
  Nursing
  Physical Therapy Assisting Technology
Associate of Technical Study—Category A

EAST LIVERPOOL CAMPUS
Associate of Arts
  Justice Studies
Associate of Science
Associate of Applied Business
  Accounting Technology
  Business Management Technology
  Computer Technology
Associate of Applied Science
  Legal Assisting Technology
  Nursing
  Occupational Therapy Assisting Technology
  Physical Therapy Assisting Technology
Associate of Technical Study—Category A

GEAUGA CAMPUS
Associate of Arts
Associate of Science
Associate of Applied Business
  Accounting Technology (most coursework)
  Business Management Technology (most coursework)
  Computer Technology
Associate of Applied Science
  Horticulture Technology
Associate of Technical Study—Category A
Associate of Technical Study—Category B
  Industrial Trades Technology

SALEM CAMPUS
Associate of Arts
Associate of Science
Associate of Applied Business
    Accounting Technology (most coursework)
    Business Management Technology (most coursework)
    Computer Technology
    Office Technology
Associate of Applied Science
    Early Childhood Education Technology
    Environmental Management Technology
    Horticulture Technology
    Human Services Technology
    Manufacturing Engineering Technology
    Radiologic Technology
Associate of Technical Study—Category A
Associate of Technical Study—Category B
    Diagnostic Medical Sonography
    Nuclear Medicine Technology
    Radiologic Technology
    Radiation Therapy Technology
    Radiology Department Management

STARK CAMPUS
Associate of Arts
    Justice Studies
Associate of Science

TRUMBULL CAMPUS
Associate of Arts
    Justice Studies
Associate of Science
Associate of Applied Business
    Accounting Technology
    Banking and Finance Technology
    Business Management Technology
    Computer Technology
    Office Technology
Associate of Applied Science
    Automotive Engineering Technology
    Electrical/Electronic Engineering Technology
    Environmental Technology
    Laboratory Technology
    Legal Assisting Technology
    Mechanical Engineering Technology
      (Integrated Manufacturing)
    Plastics Technology
    Systems (Industrial) Engineering Technology
Associate of Technical Study—Category A
Associate of Technical Study—Category B
    Industrial Trades Technology

TUSCARAWAS CAMPUS
Associate of Arts
    Justice Studies
Associate of Science
Associate of Applied Business
    Accounting Technology
    Business Management Technology
    Computer Technology
    Office Technology
Associate of Applied Science
    Computer Design and Animation Engineering Technology
    Early Childhood Education Technology
    Electrical/Electronic Engineering Technology
    Environmental Technology
    Mechanical Engineering Technology
      (Integrated Manufacturing)
    Nursing
    Systems (Industrial) Engineering Technology
Associate of Technical Study—Category A

ASSOCIATE'S DEGREE CURRICULA
The following curricula list requirements for each Associate's
Degree program offered in the Regional Campuses.

Descriptions of courses for programs offered *only* at the Regional
Campuses are marked with an asterisk (*) in the Course Descrip-
tions section of this *Catalog*.

THE ASSOCIATE OF ARTS AND ASSOCIATE OF SCIENCE DEGREES
The Associate of Arts and Associate of Science degrees may be
used for several purposes: (1) they may serve as freshman and
sophomore year programs for students who are planning to com-
plete a bachelor's degree program, (2) they may serve as degrees
unto themselves for students who want to obtain a general educa-
tion by sampling a variety of different subject areas, (3) they may
advance students' careers or provide job retraining, and (4) they
provide opportunities for intellectual growth and personal satisfac-
tion.

Because of the general nature of the programs, students may
achieve emphasis in areas that will meet specific educational needs
by taking a concentration of six courses in a particular field of
study. *However, students should consult with their advisers in the
selection of their courses prior to the beginning of each semester.*

The following will meet the minimum requirements for each degree:

Composition 6
Mathematics, Logic and Foreign Languages 6
Humanities and Fine Arts 9

Social Sciences 9
Basic Sciences 6
Electives 24
University Orientation (US 10001) 1

TOTAL   61

The Associate of Arts and Associate of Science degrees include both required courses and electives. The required courses are to be selected from the university's LERs list. (See pages 77-80 for these courses.) Electives should be chosen in the students' area of interest. Students planning to pursue a bachelor's degree should select electives to meet the requirements of the degree they are pursuing.

These degrees are offered at each of the seven Regional Campuses.

Associate of Applied Business

Accounting Technology Curriculum

This degree is available at the Ashtabula, East Liverpool, Trumbull and Tuscarawas Campuses. Most of the courses in this program are also available at the Geauga and Salem Campuses.

I.   TECHNICAL COURSES 29-30
ACTT   11000, Accounting I—Financial 4
     11001, Accounting II—Managerial 4
     20012, Accounting Software Applications 3
     21000, Accounting III—Financial 4
     21003, Fundamentals of Tax Preparation 3
     21004, Intro. to Cost Accounting 3
BMRT   11000, Introduction to Business 3
Technical electives** 5-6
II.   RELATED COURSES 15
BMRT   21000, Business Law and Ethics I 3
COMT   11000, Intro. to Computer Systems 3
ECON   22060, Principles of Microeconomics 3
     22061, Principles of Macroeconomics 3
Choose one from: *3*
ENG   20001, Business Writing (3)
     20002, Technical Writing (3)
OMRT   21038, Business Communications (3)
III. GENERAL STUDIES COURSES 17
ENG   10001, 10002, College English I, II 6
COMM 15000, Theory and Practice of Oral Discourse 3
MATH   11011, College Algebra 4
General Studies electives*** 3
Choose from the LERs list in Undergraduate Catalog, *in consultation with an academic adviser.*

US   10001, University Orientation 1

TOTAL   61-62

Students desiring to maximize credit application to a B.B.A. degree may substitute MATH 11012 or 10041 for their technical electives.

**In consultation with an adviser select from: ACTT, BFRT, BMRT, COMT or OMRT.*

***Only one of ENG 10000 and MATH 10005 applicable toward degree.*

Associate of Applied Science

Automotive Engineering Technology Curriculum

This degree is available only at the Trumbull Campus.

I.   TECHNICAL COURSES 41
AUTT   12010, Engine Fundamentals and Repair 4
     12011, Fuel and Exhaust Systems 4
     12012, Heating and Air Conditioning Systems 4
     12020, Auto Electrical Systems I 4
     12021, Auto Electrical Systems II 4
     12030, Auto Brake Systems 4
     22011, Engine Performance and Emission Controls 4
     22030, Differentials and Manual Transmissions 4
     22031, Suspension and Steering Systems 5
     Choose one from: *4*
     22032, Automatic Transmissions/Transaxles (4)
     22020, Electrical and Vacuum Systems (4)
II.   RELATED COURSES 14
BMRT   21000, Business Law and Ethics I 3
MATH   11011, College Algebra 4
PHY   12201, Technical Physics I 3
     12202, Technical Physics II 4
III. GENERAL STUDIES COURSES 15
ENG   10001, College English I,
     20002, Technical Writing 6
COMM 15000, Theory and Practice of Oral Discourse 3
Social sciences or humanities electives 5
Choose from the LERs
US   10001, University Orientation 1

TOTAL   70

Associate of Applied Business

Banking and Finance Technology Curriculum

This degree is available only at the Trumbull Campus. Not all courses in this curriculum are offered on a regular basis.

I.   **TECHNICAL COURSES** 36-37
ACTT 11000, Intro. to Accounting I 4
BFRT 11000, Intro. to Financial Institutions 3
        11001, Money and Banking 3
        21000, Consumer Credit 3
        21002, Analyzing Financial Statements 3
        21012, Seminar in Financial Institution 3
BMRT 21011, Fundamentals of Financial Management** 3
        21050, Fundamentals of Marketing Technology 3
        21052, Professional Selling Techniques 3
Select one option
*in consultation with adviser: (*Required Courses)*
Bank Operations
BFRT 11003, Teller Operations (2)
    * 11010 Trust Department Organization and Services (3)
        Select electives from:
        11011, Investments (3)
        21003, Mortgage Lending (3)
        21092, Internship in Bank/Fin. (2)
        21095, Special Topics (2-3)
Personal Financial Management
BFRT* 11010 Trust Department Organization and Services (3)
    * 11011 Investments (3)
        Select one elective from:
BFRT 21003, Mortgage Lending (3)
        21092, Internship in Bank/Fin. (2)
        21095, Special Topics (2-3)
BMRT 21002, Business Law and Ethics II (3)
        21054, Insurance Principles (3)
Real Estate Sales
RERT* 11000 Real Estate Princ./Practices (2)
    * 11001 Real Estate Law (2)
    * 11003 Real Estate Finance (2)
    * 21000 Real Estate Appraisal (2)
II. **RELATED COURSES** 15
BMRT 11000, Intro. to Business 3
    * 11006, Business Computations I 3
        21000, Business Law and Ethics 3
Computer Literacy Module
        Select one from: *3*
COMT 11000, Intro. to Computer Systems (3)

        21010, Workgroup Productivity Software (3)
OMRT 11039, Database Applications (1)
        21020, Intro. to Word Processing (3)
Business Communications Module
        Select one from: *3*
ENG 20001, Business Writing (3)
        20002, Technical Writing (3)
OMRT 21038, Business Communication (3)
III. **GENERAL STUDIES COURSES** 16
ECON 22060, Principles of Microeconomics 3
ENG 10001, 10002, College English I, II 6
PSYC 11762, General Psychology 3
US 10001, University Orientation 1
General studies electives 3
from the LERs

                                    TOTAL   67-68

**ACTT 11001, Managerial Accounting can be substituted.

Associate of Applied Business

Business Management Technology Curriculum

This degree is available at the Ashtabula, East Liverpool, Salem, Trumbull and Tuscarawas Campuses. Most of the courses in this program are also available at the Geauga Campus.

I.   **TECHNICAL COURSES** 35-39
ACTT 11000, Accounting I - Financial 4
BMRT 11000, Intro. to Business 3
        11009, Intro. to Management Technology 3
        21006, Human Resources Management 3
        21008, Case Studies in Mgmt. Technology 3
        21009, Seminar in Management Technology 3
        21011, Fundamentals of Financial Management 3
        21050, Fundamentals of Marketing Technology 3
        21052, Professional Selling Techniques 3
Select one option . . . .
*in consultation with adviser: (*Required Courses)*
Marketing/Sales
BMRT*21051 Fundamentals of Retailing (3)
    * 21053 Advertising in Business (3)
        Select one elective from:
BMRT 21055, Retail Merchandising (3)
        21056, Principles of Visual Display (3)
        21092, Internship in Mgmt. Tech. (1-3)
Entrepreneurship/Small Business
BMRT*21020 Introduction to Entrepreneurship (3)

* 21021 Market Assessment and Planning
for the Business Venture (3)

Select one elective from:

21022, Mgmt. of the New Business Venture (3)

21023, Financing the Business Venture (3)

21092, Internship in Mgmt. Tech. (1-3)

Manufacturing Management

BMRT*21004 Introduction to Business Statistics (3)

TECH* 20002 Materials and Processes I (3)

Select one elective from:

BMRT 21005, Purchasing and Materials Management (3)

21092, Internship in Mgmt. Tech. (1-3)

IERT 22000, Statistical Process Control (4)

22003, Supervision and Labor Relations (5)

TECH 31016, Manufacturing Technology (3)

General Business (7-9)

Before enrolling or applying credit, obtain approval of full-time
Business Management faculty.

II. RELATED COURSES 12

BMRT 21000, Business Law and Ethics I 3

ECON 22060, Principles of Microeconomics 3

Computer Literacy Module:

Select 3 credit hours from: .3

COMT 11000, Introduction to Computer Systems (3)

21010, Workgroup Productivity Software (3)

OMRT 11039, Database Applications (1)

21020, Word Processing I (3)

Business Communications Module:

Select one from: 3

ENG 20001, Business Writing (3)

20002, Technical Writing (3)

OMRT 21038, Business Communications (3)

III. GENERAL STUDIES COURSES 17

COMM 15000, Theory and Practice of Oral Discourse 3

ENG 10001, College English I 3

10002, College English II 3

US 10001, University Orientation 1

MATH 11011, College Algebra 4

Select 3 credit hours from the LERs 3

TOTAL **64-68**

Associate of Applied Business

Computer Technology Curriculum

This degree is available at the Ashtabula, East Liverpool, Geauga,
Salem, Trumbull and Tuscarawas Campuses. Students interested

in completing a B.S. in Computer Science should see an adviser
to develop an alternate program.

I. TECHNICAL COURSES 20

COMT 11002, Visual Basic Programming 3

11009, Operating Systems 3

20001, Visual C++ Programming 3

21002, Networking 4

21005, Visual Basic Database Programming 4

21010, Workgroup Productivity Software 3

II. Technical Elective Courses: 12

Choose 12 credits from: 12

COMT 11003, Selected Languages (2-4)

12000, Introduction to Computer Systems II (3)

21004, Advanced Visual C++ Programming (4)

21006, Assembly Language Programming (3)

21008, Comp. Methods in Science and Engineering (3)

21009, Seminar in Computer Technology (3)

21092, Computer Practicum (2)

21095, Special Topics in Computer Technology (1-4)

21096, Individual Investigation (1-4)

No more than 5 credits from the following

ACTT 20012, Accounting Software Applications (3)

CADT 22004, Computer Animation (3)

22005, Multimedia and Virtual Reality (2)

COMT 11000, Introduction to Computer Systems (3)*

EERT 22004, Digital Systems (3)

22014, Microprocessors / Robotics (4)

MERT 12001, Computer-Aided Drafting (4)

22009, Robotics / Flexible Automation (3)

OMRT 21011, Spreadsheet Applications (3)

21021, Word Processing II (3)

21022, Desktop Publishing (3)

21023, Desktop Publishing II (3)

III. RELATED COURSES 13-15

Choose one course from: 4

MATH 11011, College Algebra (4)**

12001, Algebra & Trigonometry (4)**

Choose three courses from: 9-11

ACTT 11000, Accounting I - Financial (4)

11001, Accounting II - Managerial (4)

BMRT 11000, Introduction to Business (3)

ECON 22060, Principles of Microeconomics (3)

22061, Principles of Macroeconomics (3)

MATH 11012, Intuitive Calculus (3)**

12002, Analytic Geometry & Calculus I (5) **

IV. GENERAL STUDIES COURSES 16

ENG 10001, College English I 3

COMM 15000, Theory and Practice of Oral Discourse 3

General Studies Electives: 6

Select from the LERs list in Undergraduate Catalog.

US 10001, University Orientation 1

Choose one course from: **. *3***

ENG 20002, Technical Writing (3)

OMRT 21038, Business Communications (3)

TOTAL	61-63

**COMT 11000 may only be applied toward a degree with the
approval of a Computer Technology Faculty member.*

***MATH 12001, 12002 recommended for students who wish to
pursue a mathematics/computer science baccalaureate degree.*

Associate of Applied Science

Computer Design and Animation Engineering Technology

*This degree is available at the Tuscarawas Campus only. Selected
courses are also offered at the Trumbull Campus. The purpose of
this program is to prepare graduates for entry-level positions as
drafter/designer technicians in engineering and manufacturing
industries, as well as in the field of multimedia development.*

I. **TECHNICAL COURSES** **19**

  CADT 22000, Advanced CAD 2

     22001, CAD: Architecture 2

     22002, CAD: Civil Applications 2

  EERT 22014, Microprocessors and Robotics 4

  IERT 12005, Applications in CAD 2

  MERT 12000, Engineering Drawing 3

     12001, Computer-Aided Drafting 4

II. **SPECIALTY COURSES** **13**

  CADT 22003, Solid Modeling 2

     22004, Computer Animation 3

     22005, Multimedia and Virtual Reality Dev. 2

  COMT 21010, Workgroup Productivity Software 3

     21095, ST: Object Oriented Language 3

III. **RELATED COURSES**** **20**

  BMRT 11000, Introduction to Business 3

  EERT 22003, Technical Computing 3

  IERT 22006, Economic Decision Analysis 3

  MATH 11011, College Algebra 4

     11012, Intuitive Calculus 3

     11022, Trigonometry 2

     Choose one from: **. *2***

  IERT 22095, ST: Productivity Software (2)

  COMT 21092, Computer Practicum (2)

IV. **GENERAL STUDIES COURSES** **14**

  COMM 15000, Theory and Practice Oral Discourse 3

  ENG 10001, College English I 3

     20002, Technical Writing 3

  US 10001, University Orientation 1

  General Studies Electives: 4

  *Select from the Social Sciences and Humanities lists of the LERs
  in this* Catalog. ***

TOTAL	66

**Only one of ENG 10000 and Math 10005 permitted. Only 2 hours
PEB, 3 hours MSCI permitted.*

***Tuscarawas students must take MATH 11011, 11022, 19002 (10
hours) or MATH 12001, 12002 (9 hours). For Tuscarawas stu-
dents the Related Courses hours are 20-21 and the total hours
are 66-67.*

Associate of Applied Science

Early Childhood Education Technology

*This degree is offered at the Ashtabula, Salem and Tuscarawas
Campuses. The coursework in this associate's degree is fully
applicable to the Bachelor's Degree in Early Childhood Education
offered at the Kent Campus in the College of Education. A mini-
mum 2.00 cumulative GPA is required of students graduating
with the associate's degree. However, students who desire to be
admitted to the bachelor's program in Early Childhood Education
must have a minimum cumulative GPA of 2.50, qualify for selec-
tive admission, and meet other qualifying conditions that are best
understood by consulting with an academic adviser.*

I. **TECHNICAL COURSES** **35**

  ECED 10120, Introduction to Early Childhood 2

     20163, Understanding Young Children:

         Typical and Atypical 5

  ECET 21005, Child Guidance 3

     21010, Early Childhood Curriculum I 3

     22000, Early Childhood Curriculum II 3

     22100, Organization of Program and

         Parent Involvement 3

     22150, Student Teaching 6

  EDPF 19525, Inquiry into the Profession 4

     29525, Inquiry into Teaching and Learning 3

  HED 20000, Health Education for Early Childhood Educators . 3

II. **RELATED COURSES** **13**

  FCS 24011, The Family 3

MATH 14001, Basic Math Concepts I 4

14002, Basic Math Concepts II 3

SOC   12050, Introduction to Sociology 3

III. **GENERAL STUDIES COURSES** **19**

COMM 15000, Theory and Practice of Oral Discourse 3

ENG   10001, College English I 3

10002, College English II 3

PSYC 11762, General Psychology 3

US   10001, University Orientation 1

Basic Science Elective 3

Humanities and Fine Arts Elective 3

TOTAL	**67**

Degree requirements include those of Department of Human Services for completion of:

6 hours of training in first-aid

6 hours of training in communicable diseases

6 hours of training in child abuse knowledge

Associate of Applied Science

Electrical/Electronic Engineering Technology Curriculum

This degree is designed to cover both the electrical engineering and electronics technology fields, including robotics. Technical electives directed to specific program options may be substituted with the approval of a faculty adviser, and depend on courses offered at a particular campus. Program options include general option and computer option. This degree program is available at the Ashtabula, Trumbull and Tuscarawas Campuses. The availability of the program options depends upon student interest and local circumstances. Not all courses or options are available on all campuses.

I. **TECHNICAL COURSES** **37**

EERT   12000, 12001, Electric Circuits I, II 7

12010, Intro. to Electronics 3

Choose one from ***3***

22002, Industrial Controls (3)

22005, Instrumentation (3)

22004, Digital Systems 3

22011, Electronic Systems 3

22014, Microprocessors and Robotics 4

IERT   22010, Computer Integrated Manufacturing. 3

MERT 12000, Engineering Drawing 3

22009, Robotics and Flexible Automation 3

General Option Specialty Courses:

Select 5 hours from: ***5***

EERT   22006, Electrical Machines (3)

22013, Industrial Electronics (3)

12005, Electrical/Electronic Drawing (2)

or

IERT   12005, Applications in CAD (2)

Computer Option Specialty Courses:

COMT 21008, Computer Methods in Sci. and Eng 3

EERT   22015, Robotics and Advanced Micro-Systems 3

II. **RELATED COURSES** **19**

EERT   22003, Technical Computing 3

MATH* 11011, College Algebra 4

11012, Intuitive Calculus 3

11022, Trigonometry 2

PHY   12201, 12202, Technical Physics I, II 7

III. **GENERAL STUDIES COURSES** **14**

COMM 15000, Theory and Practice of Oral Discourse 3

ENG   10001, College English I 3

20002, Technical Writing 3

Social Sciences or Humanities electives 4

from the LERs

US   10001, University Orientation 1

TOTAL	**70**

*Tuscarawas students must take MATH 11011, 11022, 19002 (10 hours) or MATH 12000, 12001 (9 hours) due to TAC/ABET accreditation. For Tuscarawas students the Related Courses hours are 19-20 and the total hours are 70-71.

Associate of Applied Science

Environmental Management Technology Curriculum

This degree is available at the Salem Campus only. The general purpose of this program is to prepare graduates for entry-level positions in industry, regulatory agencies, environmental consulting firms and other institutional settings as environmental technicians. The program includes applied courses in environmental sampling techniques and related equipment use. Courses in this program rely heavily on knowledge from biological and related sciences.

I. **TECHNICAL COURSES** **34**

BSCI   10181, 10182, Biological Principles I, II 8

EMGT 11000, Intro. to Environmental Risk Issues 3

12010, Safety in the Workplace 3

20010, 20011, Environmental Sampling and
      Problem Analysis I, II 8
20050, Hazardous Substances and
      Hazardous Waste Management 3
21092, 22092, Practicum in Environmental
      Management Technology I, II 6
ENVT 20001, Environmental Law 3
II.   RELATED COURSES **15**
BMRT 11000, Introduction to Business 3
COMT 11000, Introduction to Computers 3
CHEM 10050, Fundamentals of Chemistry 3
      10052, Introduction to Organic Chemistry 2
      10053, Inorganic and Organic Chem. Lab 1
GEOL 21062, Environmental Geology 3
III.   GENERAL STUDIES COURSES **17**
COMM 15000, Theory and Practice of Oral Discourse 3
ENG 10001, 10002, College English I, II 6
      20002, Technical Writing 3
MATH 11011, College Algebra 4
US   10001, University Orientation 1

	TOTAL	66

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Associate of Applied Science

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Environmental Technology Curriculum

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This degree is offered only at the Ashtabula, Trumbull and Tus-carawas Campuses and is designed to prepare graduates for entry-level positions in the field of environmental technology. The program includes an environmental core, select basic sci-ence courses, and appropriate liberal education courses. It is rec-ommended that students interested in articulating to a four-year program see an adviser for proper guidance.

I.   TECHNICAL COURSES **34**
COMT 11000, Introduction to Computers 3
ENVT 10001, Introduction to Environmental Technology 3
      10004, Toxicology 3
      10010, Environmental Hazards Identification and Control 4
      20001, Environmental Law 3
      20004, Safety and Injury Control 3
      20008, Environmental Safety Administration 3
      20092, Environmental Technology Internship I 3
      21092, Environmental Technology Internship II 3

Select two courses from the following list *6*
in consultation with an adviser.
ENVT 20006, Fire Prevention and Control (3)
      20020, Hazardous Waste Operations
            and Emergency Response (3)
      22095, Special Topics in Environmental Technology (3)
JUS   22301, The Investigative Process (3)
II.   RELATED COURSES **17**
BSCI 10181, Biological Principles I 4
      10182, Biological Principles II 4
CHEM 10054, General and Elementary Organic Chemistry 5
      10053, Inorganic and Organic Lab 1
GEOL 20162, Environmental Geology 3
III.   GENERAL STUDIES COURSES **17**
ENG 10001, College English I 3
      10002, College English II 3
GEOG 21062, Physical Geography 3
MATH 11011, College Algebra 4
US   10001, University Orientation 1
General Studies Elective 3
Select from the LERs list in this Catalog.

	TOTAL	68

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Associate of Applied Science

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High Technology Manufacturing*

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This degree is offered at the Trumbull Campus. The two-year curriculum begins by laying a solid foundation in mathematics, chemistry, physics and electronics before introducing topics in semiconductor manufacturing and photonics. Students gain an understanding of the complete process of taking silicon from its raw state, fashioning it into wafers, manufacturing the integrated circuits on the wafers, and finally testing the integrated circuits to see if they perform to specifications set for the product. Stu-dents will learn the use and application of lasers, lightwave com-munications and optoelectronic devices.

*Pending Ohio Board of Regents Approval.

I.   TECHNICAL COURSES **23**
EERT 12000, Electric Circuits I 4
      12001, Electric Circuits II 3
      12005, Electrical/Electronic Drawing 2
      12010, Introduction to Electronics 3
      22003, Technical Computing 3
      22004, Digital Systems 3
      22011, Electronic Systems 3

HTMT 13600, Electronic Materials 2
II.   **Select one concentration** **14-15**

General

EERT   23000, Sensors 2
Select 6 hours each from photonics and semiconductor concen-
trations with the approval of EERT faculty adviser.

Photonics

HTMT 13601, Intro. to Photonics & Fiber Optics 3
          13602, Introduction to Lasers 3
          13603, Laser & Electro-Optic Components & Devices . . .3
          23603, Light Sources & Wave Optics 3
        * 23607, Laser Technology: Applications 3
                 or Special Topics

Semiconductor

EERT   22002, Industrial Controls 3
HTMT 23600, Semiconductor Manufacturing Process I 3
          23601, Semiconductor Manufacturing Process II 3
          23602, Photolithography in IC Fabrication 2
          23604, Vacuum System Technology 2
          23606, Power Radio Frequency 2
III.   **Related Courses** **16**
MATH 12001, Algebra & Trigonometry 4
          12002, Analytical Geometry & Calculus I 5
PHY   12201, Technical Physics I 3
          12202, Technical Physics II 4
IV.   **General Studies Courses** **18**
CHEM 10060, General Chemistry I 4
          10062, General Chemistry I Lab 1
COMM 15000, Theory and Practice of Oral Discourse 3
ENG   10001, College English I 3
          20002, Technical Writing 3
LER Requirement 3
US   10001, University Orientation 1
                                                                    71-72

*EERT/IERT/MERT or HTMT special topics course. May be substi-
tuted with appropriate EERT/IERT/MERT or HTMT courses(s).
Engineering Technology faculty adviser's approval is required.

Associate of Applied Science

Horticulture Technology Curriculum

This degree is offered at the Geauga and Salem Campuses. Stu-
dents who want to emphasize a particular area may concentrate
on tree care, lawn care or landscape care. This degree is
designed to prepare graduates for entry-level positions in the
horticulture industry.

I.   **TECHNICAL COURSES** **37**
BSCI   16001, Horticultural Botany 3
          26002, Ecological Principles of Pest Management 3
          26003, Plant Identification and Selection I 3
          26004, Plant Identification and Selection II 3
CHEM 16001, Horticultural Chemistry 4
GEOG 16001, Soil and Horticultural Management 3
HORT   16001, Intro. to Horticulture 1
          26001, Occupational Regulations and Safety 2
Technical Elective 3
       Select two concentrations from the following areas   . 12
HORT   26010, Arboriculture (3)
          26011, Cooperative Work Experience in Tree Care (3)
          or
HORT   26020, Landscape Management (3)
          26021, Cooperative Work Experience
                  in Landscape Management (3)
          or
HORT   26030, Turfgrass Management (3)
          26031, Cooperative Work Experience in
                  Turfgrass Management (3)
II.   **RELATED COURSES** **15**
BMRT 11000, Introduction to Business 3
          11006, Business Computations I 3
          21052, Professional Selling Techniques 3
COMT 11000, Introduction to Computers 3
GEOL   21062, Environmental Geology 3
III.   **GENERAL STUDIES COURSES** **14**
COMM 15000, Theory and Practice of Oral Discourse 3
ENG   10001, College English I 3
          20002, Technical Writing 3
Elective from the LERs 3
US   10001, University Orientation 1
PEB   10020, Development and Conditioning 1
                                                  TOTAL   66

Associate of Applied Science

Human Services Technology Curriculum

This degree is offered at the Ashtabula and Salem Campuses and it is designed to prepare graduates for entry-level positions at a beginning, preprofessional level of practice in a variety of human service agencies. The program includes applied courses in social services and supervised internships for second-year students in local human services agencies. The core of the curriculum is focused on client advocacy and case management. Admission to the program requires admission to the university and approval of an application, which includes, at minimum, the completion of 18 credit hours in the first year. Students may begin the program on a full or part-time basis, but must register for at least 9 credit hours in the third and fourth semesters. Detailed information and requirements for admission, satisfactory progress, and gradua-tion are in the student handbook for this program. A copy of the handbook may be obtained from the program director.

I. TECHNICAL COURSES 33
HED 11590, Community Health 3
HST 11000, Introduction to Human Services 1
11001, Group Process in Human Services 2
11002, Survey of Community Resources 3
21000, Dynamics of Helping Relationship 3
21001, Assessment of Client Needs 3
21002, Client Advocacy and Case Mgt 3
21092, Internship I 3
21192, Internship II 3
SOC 32762, Deviant Behavior 3
Electives 6
Choose from: HED 22530, 22544, SOC 22400, 22570, COMT 11000, OMRT 11030, 11080
II. RELATED COURSES 17
HED 11570, Personal Health 3
14020, Medical Terminology 2
21050, Health Behavior and Advocacy 3
PSYC 11762, General Psychology 3
21211, Psychology of Adjustment 3
SOC 12050, Introduction to Sociology 3
III. GENERAL STUDIES COURSES 16
COMM 15000, Theory and Practice of Oral Discourse 3
ENG 10001, College English I 3
20002, Technical Writing 3
Electives 6
from the Social Sciences and Humanities lists of the LERs.

US 10001, University Orientation 1
                                                        TOTAL   66

Associate of Arts

Justice Studies Curriculum

This curriculum is offered for students planning to pursue the Bachelor of Arts degree with a justice studies major. It is avail-able at the Ashtabula, East Liverpool, Stark, Trumbull and Tus-carawas Campuses.

I. MAJOR COURSES 24
JUS 12000, Intro. to Justice Studies 3
22100, Basic Interviewing 3
22300, Police Role 3
26701, Corrections 3
26702, Criminology 3
26704, Law and Society 3
JUS Electives 6
II. GENERAL STUDIES COURSES 37-38
ENG 10001, 10002, College English I, II 6
Humanities and Fine Arts 9
from the LERs
Social Sciences 9
from the LERs
Basic Sciences 9
at least 6 hours from the LERs.
Mathematics, Logic, and Foreign Languages 3-4
One course in mathematics or logic from the LERs (MATH 14001, 14002 not acceptable), or one foreign language course
US 10001, University Orientation 1
                                                        TOTAL   61-62

Associate of Applied Science

Laboratory Technology Curriculum

This degree is offered at the Trumbull Campus. It is designed to prepare graduates with applied skills and knowledge for employ-ment as laboratory assistants in commercial, industrial and envi-ronmental testing laboratories. The program includes a laboratory technology core with two concentrations from which students may choose: environmental laboratory or industrial lab-oratory technology; related courses and general studies courses designed to support the technical courses. Students planning on

continuing in a four-year program should consult with an academic adviser.

I.   TECHNICAL COURSES 22-23
      ENVT 10004, Toxicology 3
              20020, Hazardous Waste Operations &
                     Emergency Response 3
      LABT   11001, Laboratory Safety 3
              11002, Laboratory Quality Control and
                     Quality Assurance 4
              11004, Applied Laboratory Technology 3
              21001, Introduction to Industrial Chemical Processes . . .2
              21092, Internship in Laboratory Technology 1-2
              21095 Special Topics in Laboratory Technology 3
      Select one option: *9-10*
      Environmental Laboratory Option
      ENVT 10001, Introduction to Environmental Technology (3)
              20001, Environmental Law (3)
      LABT   20010, Industrial Hygiene & Environmental Testing (3)
      Industrial Laboratory Option
      MERT 12005, Properties of Materials (3)
              22006, General Mechanical Laboratory (3)
      PLCT   12000, Introduction to Plastics (4)
II.   RELATED COURSES 16
      CHEM 20111, Elementary Quantitative Analysis 4
              20112, Elementary Quantitative Lab 2
      COMT 11000, Introduction to Computer Systems 3
      MATH 19001, Technical Mathematics I 4
      PHY   12201, Technical Physics I 3
III. GENERAL STUDIES COURSES 16
      US   10001, Orientation 1
      CHEM 10050, Fundamentals of Chemistry 3
              10052, Introduction to Organic Chemistry 2
              10053, Inorganic and Organic Lab 1
      ENG * 10001, College English I 3
              Prerequisite ENG 10000 - 3 hours or test.
              20002, Technical Writing 3
      Elective from LERs 3
                                                    TOTAL   63-65

Associate of Applied Science

Legal Assisting Technology Curriculum

This degree is available at the East Liverpool and Trumbull Campuses and is designed to train students as legal assistants (paralegals).

I.   TECHNICAL COURSES 31-33
      LEGT 18000, Intro. to Paralegal Studies 3
              18001, Legal Research and Writing 3
              18003, Family Law and Procedure 3
              21092, Internship 2
              28004, Principles and Practice of Litigation 3
              28005, Civil Litigation 3
              28006, Adv. Legal Research and Writing 3
              28007, Estate and Probate Admin 3
              28008, Prof. Develop. for Paralegals 1
      Technical Electives** 7-9
              Choose one from: *3*
      The office management component of the LEGT program should include a choice of one (1) among the following courses
      ENG   20002, Technical Writing (3)
      OMRT 21020, Introductory Word Processing (3)
              21038, Business Comm. (3)
II.   RELATED COURSES 13
      ACTT 11000, Accounting I - Financial 4
      BMRT 11000, Intro. to Business 3
              11006, Business Computations I* 3
      COMT 11000, Intro. to Computer Systems 3
III. GENERAL STUDIES COURSES 19
      COMM 15000, Theory and Practice of Oral Discourse 3
      ENG   10001, College English I 3
              10002, College English II 3
      US   10001, University Orientation 1
      Electives*** 9
                                                    TOTAL   66-68

*May be substituted with a higher level math course.

**Select from LEGT 18002, 18005; BMRT 11009, 21000, 21002; RERT 11000, 11001; ACTT 21003.

***Select from ECON 22061; POL 11010; SOC 12050.

Associate of Applied Science

Manufacturing Engineering Technology

This degree is available at the Salem Campus. This degree is designed to prepare students for entry-level technical jobs in manufacturing. Subject matter includes computer-aided design (CAD), computer-aided manufacturing (CAM), computer numerical control (CNC), industrial controls and programmable logic controllers (PLCs), with an emphasis on industrial automation.

There are two options within the degree: (1) the industrial automation option, and (2) the automated machining option.

I.   TECHNICAL COURSES 35
Engineering Technology Core:
EERT   22000, Electricity/Electronics with Applications 3
        22002, Industrial Controls 3
IERT   12005, Applications in Computer-Aided Design 2
        22010, Computer Integrated Manufacturing 3
MERT 12000, Engineering Drawing 3
        12001, Computer Aided Drafting 4
        12005, Properties of Materials 3
        22012, Fluid Power 3
MFGT 12010, Safety in the Workplace 2
        21001, Standard Design Practice for Manufacturing . . . 3
Select one option: 6
Industrial Automation Option Specialty Courses:
EERT   22013, Industrial Electronics (3)
MFGT 22014, Advanced Industrial Electronics (3)
Automated Machining Option Specialty Courses:
MFGT 13001, Computer Numerical Control Programming (3)
        23001, Computer Aided Manufacturing I (3)
II. RELATED COURSES 17
EERT   22003, Technical Computing 3
IERT   22000, Statistical Process Control 4
PHY   13001, General College Physics I 5
        13002, General College Physics II 5
III. GENERAL STUDIES COURSES 14
COMM 15000, Theory and Practice of Oral Discourse 3
ENG   10001, College English I 3
        20002, Technical Writing 3
MATH 12001, Algebra & Trigonometry 4
US   10001, University Orientation 1

                                        TOTAL   66

Associate of Applied Science

Mechanical Engineering Technology

(Integrated Manufacturing)

This degree is designed to explore mechanical engineering technology, with emphasis on integrated manufacturing. Subject matter includes drafting, CAD/CAM, CNC, materials testing, and robotics applications. Technical electives may be substituted with the approval of a faculty adviser. The general option of this degree program is available at the Ashtabula, Trumbull and Tuscarawas Campuses. The systems option is an individualized

option which must be developed with an adviser's assistance; it is available only at the Ashtabula and Salem Campuses (see also Systems Engineering Technology). The polymer option is available at the Ashtabula and Trumbull Campuses.

I.   TECHNICAL COURSES 39
Engineering Technology Core:
EERT   22014, Microprocessors and Robotics 4
IERT   22010, Computer Integrated Manufacturing 3
MERT 12000, Engineering Drawing 3
        12001, Computer-Aided Drafting 4
        12005, Properties of Materials 3
        22009, Robotics and Flexible Automation 3
General Option Specialty Courses:
MERT 12004, Manufacturing Processes 3
        22002, Statics and Strength of Materials 5
        22003, Computer-Aided Tool Design 3
        22004, Mechanics and Machine Design 5
        22012, Fluid Power 3
II. RELATED COURSES 19
EERT   22003, Technical Computing 3
MATH* 11011, College Algebra 4
        11012, Intuitive Calculus 3
        11022, Trigonometry 2
PHY   12201, 12202, Technical Physics I, II 7
III. GENERAL STUDIES COURSES 14
COMM 15000, Theory and Practice of Oral Discourse 3
ENG   10001, College English I 3
        20002, Technical Writing 3
US   10001, University Orientation 1
Social Sciences or Humanities electives 4
Choose from the LERs.

                                        TOTAL   72

*Tuscarawas students must take MATH 11011, 11022, 19002 (10 hours) or MATH 12000, 12001 (9 hours) due to TAC/ABET accreditation. For Tuscarawas students the Related Courses hours are 19-20 and the total hours are 72-73.

Systems Option
See Mechanical Engineering Technology curriculum. Specialty courses consist of MERT 12004 (Manufacturing Processes), IERT 12005 (Applications in CAD), and 11-14 hours of Engineering Technologies courses selected in consultation with an adviser. This option is available only at the Ashtabula and Salem Campuses. See also Systems/Industrial Engineering Technology, Individualized option.

Polymer Option

See Mechanical Engineering Technology curriculum. Specialty courses consist of PLCT 12000 (Intro. to Plastics), 12003 (Reinforced Plastics), 12004 (Properties of Plastics Materials), 22000 (Assembly and Finishing of Plastics), IERT 22000 (Statistical Processes Control). This option is available at the Ashtabula and Trumbull Campuses.

Associate of Applied Science

Nursing Curriculum

The Associate of Applied Science in Nursing is available at the Ashtabula, East Liverpool and Tuscarawas Campuses. Students interested in the program should apply directly to one of these campuses and meet with the director of Nursing for additional application details concerning advanced placement, etc. Detailed information and requirements for admission, satisfactory progress and graduation are in the brochure for this program. A copy of the brochure may be obtained from the program director.

With the successful completion of the program, graduates are awarded an Associate of Applied Science in Nursing degree and are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Kent State University is accredited by the North Central Association of Colleges and Schools. The Associate Degree in Nursing program is accredited by the National League for Nursing. Information concerning the nursing program is available through the National League for Nursing Accreditation Commission, 61 Broadway, NY 10006 or by phone at 212.363.5555, ext. 153.

I.   NURSING COURSES* **38**
     NRST 10001, Foundations of Nursing Agency 5
           10002, Intro. to Nursing Processes 1
           10003, Nursing Agency I 6
           10004, Older Adult Dev. Self-Care 2
           10005, Therapeutic Use of Self 2
           20206, Nursing Agency II 5
           20207, Psychosocial Self-Care Deficits 3
           20208, Nursing Agency III 6
           20209, Maternal/Newborn Dev. Self-Care 2
           20210, Child and Family Dev. Self-Care 2
           20211, Contemporary Nursing Issues 1
     NURS 20950, Human Growth and Development
                  for Health Professionals 3

II. RELATED COURSES **16**
     BSCI 20020, Biol. Structure and Function** 5
           20021, Basic Microbiology** 3
           Choose either 5
     CHEM 10054, Gen. and Elem. Organic Chemistry (5)**
           or
           10050, General Chemistry (3)**
           10052, Organic Chemistry (2)**
     NUTR 33512, Nutrition** 3

III. GENERAL STUDIES COURSES **16**
     ENG   10001, 10002, College English I, II 6
     PSYC 11762, General Psychology 3
     SOC   12050, Intro. to Sociology 3
     US   10001, University Orientation 1
     Elective***   3
                                                    TOTAL   70

A grade of C or better in theory and a designation of "passing" for performance in the clinical area must be achieved for each nursing course. A GPA of 2.00 must be maintained to progress in the nursing program.

**A grade of C or better in BSCI 20020, BSCI 20021, CHEM 10054 (or CHEM 10050, 10052) and NUTR 33512 must be obtained.*

***Electives must be in the area of communication, management, computer, psychology, sociology, foreign language or LERs. Permission should be obtained from the director of Nursing.*

The Associate's Degree in Nursing Program, Regional Campuses, reserves the right to initiate changes in the program as deemed necessary for maintaining quality nursing education.

Associate of Applied Science

Occupational Therapy Assisting Technology Curriculum

The Associate of Applied Science in the Occupational Therapy Assisting program is offered at the East Liverpool Campus. This program is fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220, (301) 652-AOTA. With the successful completion of the program, graduates are awarded the Associate of Applied Science degree, and are eligible to sit for the National Certification Examination for Occupational Therapy Assistants administered by the National Board for Certification of Occupational Therapists (NBCOT). Admission to the

program requires admission to the university, a minimum of 40 hours of volunteer time in an occupational therapy setting, high school or college algebra and general biology, completion of the COMPASS test, and if necessary, recommended coursework. Application deadline is Jan. 15. Program applicants are encouraged to meet with the program director. Detailed information and requirements for admission, satisfactory progress and graduation are in the student handbook for this program. A copy of the handbook may be obtained from the program director.

I.   TECHNICAL COURSES 35
     OTAT 10000, Intro. to Occupational Therapy 3
           10001, Therapeutic Media I 3
           10002, Therapeutic Techniques I -
                  Psychosocial Dysfunction 5
           20000, Therapeutic Techniques II -
                  Physical Dysfunction 5
           20001, Occupational Therapy Management Skills 2
           20002, Therapeutic Media II 3
           20003, Therapeutic Media III 3
           20004, Therapeutic Techniques III - Developmental 3
           20005, Clinical Applications 8
     Note: Clinical education must be successfully completed within 18 months of the didactic coursework.
II. RELATED COURSES 16
     BSCI 11001, Anatomy for Physical and Occupational Therapy 5
     NURS 20950, Human Growth and Development
                  for Health Professionals 3
     PTAT 10002, Analysis of Movement 4
           20001, Therapeutic Communications 1
     PSYC 21211, Psychology of Adjustment 3
III. GENERAL STUDIES COURSES 16
     ENG   10001, 10002, College English I, II 6
     US   10001, University Orientation 1
     PSYC 11762, General Psychology 3
     SOC   12050, Intro. to Sociology 3
     Elective* 3
                                                       TOTAL   67

Course to have communication or management focus.

Comprehensive Business Education Baccalaureate Degree

Students interested in a four-year degree in comprehensive business education should follow the program outlined under the Department of Vocational Education in the College of Education section of this Catalog.

Associate of Applied Business

Office Technology Curriculum

This degree is offered at the Ashtabula, Salem, Trumbull and Tuscarawas Campuses. Program options are offices services, administrative assistant and office management. Some options are not available at the Salem Campus. Technical electives depend on the option chosen and the typing and shorthand skills of the students at the time of first enrollment. Please study options listed in this Catalog*, and consult a faculty adviser.*

I.   TECHNICAL COURSES 32
     OMRT 11035, Business Calculators 1
           11036, Records Management 3
           10039, Database Applications 1
           11080, Computer Keyboarding .1
           11081, Document Formatting & Production 3
           21011, Spreadsheet Applications 3
           21019, Software Integration 2
           21020, Word Processing I 3
           21021, Word Processing II 3
           21025, Business Presentations .1
           21035, Administrative Resource Management 3
           21040, Seminar in Office Technology 2
Technical Electives 6
In consultation with an adviser, select two courses from:
     LEGT 18000, Introduction to Paralegal Studies (3)
     OMRT 21022, Desktop Publishing (3)
           21023, Desktop Publishing II (3)
           21037, Specialized Machine Transcription (3)
           21050, Medical Billing Procedures (3)
II. RELATED COURSES 13
     ACTT 11000, Accounting I - Financial 4
     BMRT 11006, **Business Computations I 3
Related Electives 6
     ACTT 11001, Accounting II - Managerial (4)
           11003, Payroll Accounting (2)
     BMRT 11000, Introduction to Business (3)
           11009, Introduction to Management (3)
           21000, Business Law and Ethics I (3)
     COMT 11000, Introduction to Computers I (3)
     OMRT 21092, Internship in Office Technology (1-3)
III. GENERAL STUDIES COURSES 16
     COMM 15000, Theory and Practice of Oral Discourse 3
     ENG   10001, College English I 3
     OMRT 21038, Business Communications 3
     US   10001, University Orientation 1

General Studies Electives: 6
Select from LERs list in this Catalog.

TOTAL	**61**

**With a faculty adviser's approval, this course may be taken Credit-by-Exam or replaced with more advanced mathematics, statistics or accounting.

Associate of Applied Science

Physical Therapy Assisting Curriculum

The Associate of Applied Science in the Physical Therapy Assisting program is offered at the Ashtabula and East Liverpool Campuses. With the successful completion of the program, graduates are awarded the Associate of Applied Science degree in Physical Therapy Assisting and are eligible to take the licensing examination given by the State of Ohio Board of Occupational and Physical Therapy. Students interested in the program should apply directly to East Liverpool or Ashtabula Campus and meet with the program director. Detailed information and requirements for admission may be obtained from the East Liverpool or Ashtabula program office.

I.   TECHNICAL COURSES 37
    PTAT 10000, Intro. to Physical Therapist Assisting 2
           10001, Prin. of Patient Care in Physical Therapy 4
           10003, 20003, Clinical Conditions I, II 6
           10004, 20004, Physical Therapy Procedures I, II 9
           20005, 20007, Dir. Practice in Physical Therapy I, II . . 12
           20006, Physical Rehabilitation Procedures 4
II.   RELATED COURSES 17
    BSCI 11001, Anatomy for Phys. and Occup. Therapy 5
    NURS 20950, Human Growth and Development
              for Health Professionals 3
    PHY   12111, Physics for Health Technologies 3
    PTAT 10002, Analysis of Movement 4
           10009, Medical Terminology 1
           20001, Ther. Comm. in Physical Therapy 1
III. GENERAL STUDIES COURSES 16
    ENG   10001, 10002, College English I, II 6
    PSYC 11762, General Psychology 3
    SOC   12050, Sociology 3
    Select an elective from the LERs* 3
    US   10001, University Orientation 1

TOTAL	**70**

*COMM 15000 recommended.

A grade of C or better in theory and a designation of "passing" in the clinical component must be achieved for each physical therapy assisting course to progress to the next course in the program sequence.

The associate's degree in the physical therapy assisting program reserves the right to initiate changes in the program as deemed necessary for maintaining quality education for the students.

Associate of Applied Science

Plastics Manufacturing Engineering Technology

This degree is offered at the Trumbull Campus. It is designed to prepare students for careers in plastics manufacturing and related industries. The program emphasizes the development of strong mathematical and analytical problem solving skills, with coursework providing a foundation in Chemistry and Physics. The program also incorporates computer applications in manufacturing processes and product development. Coursework focuses on the application of skills and knowledge in both simulated and actual manufacturing environments.

I.   TECHNOLOGY COURSES 36-37
    Engineering Technology Core:
    EERT 22000, Electrical/Electronics with Applications 3
    IERT 12005, Applications in CAD 2
    MERT 12000, Engineering Drawing 3
           12005, Properties of Materials 3
           22002, Statics & Strength of Materials 5
           22012, Fluid Power 3
    Choose one of: 2
    TECH 33056, Cooperative Education (2)
           43096, Individual Investigation (2)
    Plastics Manufacturing Courses:
    PLCT 12000, Introduction to Plastics .4
           12004, Properties of Plastics Materials 3
           22001, Plastics Product Design .3
           22002, Plastics Tool Design 3
    Choose one: 2-3
           12003, Reinforced Plastics (3)
           22005, Plastics Manufacturing (2)
II.   RELATED COURSES 18
    EERT 22003, Technical Computing 3
    IERT 22000, Statistical Process Control 4
    MATH 12001, Algebra & Trigonometry 4
           19002, Technical Math II 4
    PHY   12201, Technical Physics I 3

III. GENERAL STUDIES COURSES 15

CHEM 10054, General & Organic Chemistry 5

COMM 15000, Theory and Practice of Oral Discourse 3

ENG   10001, College English I 3

      20002, Technical Writing 3

US   10001, University Orientation .1

                                          TOTAL   69-70

Associate of Applied Science

Radiologic Technology Curriculum

The Associate of Applied Science in Radiologic Technology is offered at the Salem Campus. With the successful completion of the program, graduates are eligible to take the certification exam- ination administered by the American Registry of Radiologic Technologists. Admission to the program is on a selective basis due to the limited number of students approved for each clinical education center. The application deadline is Feb. 1. Program applicants are encouraged to meet with an adviser at the Salem Campus to discuss the minimum admission requirements. Detailed information and requirements for admission, satisfacto- ry progress, and graduation are in the student handbook for this program. A copy of the handbook may be obtained from the pro- gram director.

I.   TECHNICAL COURSES 35

RADT 14000, Intro. to Radiographic Technology 3

      14001, Orient. to Clinical Radiography 2

      14010, Clinical Education I 1

      14011, Clinical Education II 1

      14012, Clinical Education III 1

      14013, Clinical Education IV 1

      14019, Radiographic Exposure and Imag. I 2

      14020, Radiographic Procedures I 5

      14021, Radiographic Procedures II 4

      14022, Radiographic Exposure and Imag. II 3

      24002, Radiation Protection 3

      24010, Clinical Education V 1

      24011, Clinical Education VI 1

      24020, Radiographic Procedures III 4

      24022, Radiographic Exposure and Imag. III 3

II. RELATED COURSES 18

BSCI 11000, Principles of Anatomy for Radiologic Technology 4

COMT 11000, Introduction to Computers 3

HED   14020, Intro. to Medical Terminology 2

RADT 14002, Intro. to Patient Care 3

      14004, Radiologic Physics 4

      24001, Radiologic Pathology 2

III. GENERAL STUDIES COURSES 17

CHEM 10050, Fundamentals of Chemistry 3

ENG   10001, 10002, College English I, II 6

US   10001, University Orientation 1

MATH 11011, College Algebra 4

PSYC 11762, General Psychology 3

                                          TOTAL   70

Associate of Technical Study (Category B)

Radiologic Technology Completion Program

The Salem Campus also offers associate's degree completion programs for certified radiologic technologists and diagnostic medical sonographers who have completed their training at an accredited institution and have been certified by the American Registry of Radiologic Technologists or American Registry of Diagnostic Medical Sonographers.

Students interested in one of these programs should apply to the Salem Campus and meet with the director of Radiologic Technol- ogy for additional application details. Upon admission to these programs, students will be granted 32 credit hours on the basis of their certification. In addition, they must successfully complete a minimum of 32 or 33 hours of courses selected in accordance with the following curricula:
• Associate of Technical Study in Radiologic Technology,
• Associate of Technical Study in Nuclear Medicine Technology,
• Associate of Technical Study in Radiation Therapy Technology,
• Associate of Technical Study in Diagnostic Medical Sonography.

Credits awarded on the basis of certification 32

Basic Sciences, Math*, Computer Technology 15

College English 10001, 10002 6

Humanities and Fine Arts 3

Social Sciences 9

University Orientation 1

*MATH 10004, Developmental Mathematics, and MATH 10005, Introduction to College Mathematics, cannot be included in this section.

The total degree will consist of 66 hours. Coursework may be pursued at any Regional Campus, but students must be advised by the director of Radiologic Technology, housed at the Salem Campus.

Associate of Technical Study

Radiology Department Management

Thirty-two credits are awarded on the basis of certification as Radiologic Technologist. In addition, the following coursework is required:

I. RELATED COURSES 20
    BMRT 11000, Intro. to Business 3
    　　　11009, Intro. to Management Technology 3
    　　　21006, Human Resources Management 3
    　　　21008, Case Studies in Mgmt. Technology 3
    　　　21096, Individual Investigation 2
    COMT 11000, Intro. to Computer Systems 3
    RADT 21095, Special Topics:
    　　　　　Contemporary Issues in Rad. Tech 3
II. GENERAL STUDIES COURSES 16-17
    COMM 15000, Theory and Practice of Oral Discourse 3
    ENG 10001, College English I 3
    　　　20002, Technical Writing 3
    US 10001, University Orientation 1
    One of the following pairs: *6-7*
    BSCI 10001 and 10002
    ECON 22060 and 22061
    MATH 11011 and 11012
    PSYC 11762 and 21211

    TOTAL　　68-69

The total degree will consist of 68-69 hours. Coursework may be pursued at any Regional Campus offering appropriate courses, but students must be advised by the director of Radiologic Technology, housed at the Salem Campus.

Associate of Applied Science

Systems/Industrial Engineering Technology Curriculum

This degree is available at the Trumbull and Tuscarawas Campuses. Systems Engineering is available as an individualized option at the Ashtabula and Salem Campuses under the Mechanical Engineering Technology degree. Not all courses are available at all campuses, nor are all courses regularly scheduled. Individualized option programs must be developed in consultation with an academic adviser.

I. TECHNICAL COURSES 37
    EERT 22014, Microprocessors and Robotics 4
    IERT 22000, Statistical Process Control 4
    　　　22006, Economic Decision Analysis 3
    　　　22010, Computer Integrated Manufacturing 3
    MERT 12000, Engineering Drawing 3
    　　　12001, Computer-Aided Drafting 4
    　　　12004, Manufacturing Processes 3
    　　　22009, Robotics and Flexible Automation 3
    Choose 10 hours: *10*
    COMT 21008, Computer Meth. in Sci. and Eng (3)
    EERT 22004, Digital Systems (3)
    IERT 12005, Applications in CAD (2)
    　　　22001, Motion and Time Study (3)
    　　　22003, Supervision and Labor Relations (5)
    　　　22004, Facilities Engineering (2)
    　　　22005, Production and Inventory Control (2)
    　　　22008, Taguchi Process Improvement (3)
II. RELATED COURSES 19
    EERT 22003, Technical Computing 3
    MATH* 11011, College Algebra 4
    　　　11012, Intuitive Calculus 3
    　　　11022, Trigonometry 2
    PHY 12201, 12202, Technical Physics I, II 7
III. GENERAL STUDIES COURSES 14
    COMM 15000, Theory and Practice of Oral Discourse 3
    ENG 10001, College English I 3
    　　　20002, Technical Writing 3
    Social Sciences or Humanities electives 4
    from the LERs.
    US 10001, University Orientation 1

    TOTAL　　70

*Tuscarawas students must take MATH 11011, 11022, 19002 (10 hours) or MATH 12000, 12001 (9 hours). For Tuscarawas students the Related Courses hours are 19-20 and the total hours are 70-71.

Associate of Technical Study (Category A)

The Associate of Technical Study degree program is open to students who need a specially designed course of study in a technical field. It consists of courses offered at the students' campus which suit the students' career goals. Degree programs must be planned with the help of a faculty adviser.

The program consists of a minimum of 61 semester hours of coursework, including University Orientation. At least 30 hours are made up of "technical core" courses that offer education cen-

tral to students' career goals. At least 15 hours must consist of basic courses that provide background to the technical core, and at least 15 hours must be selected from the LERs on pages 77-80. The degree program should not exceed 73 hours.

Degree programs must be approved by the faculty adviser, the campus dean, and the dean for Academic Affairs, Regional Campuses. At least 32 hours must be completed after approval of the written degree program proposal.

The Associate of Technical Study may be conferred as a concurrent degree or when students already hold another degree. At least 24 hours of coursework must be completed after approval of the program, and the program must include at least 24 hours of work in addition to the prior or concurrent degree.

Forms for developing an ATS program proposal can be obtained at any Regional Campus student services office.

Associate of Technical Study (Category B)

The Associate of Technical Study degree program, Category B, provides associate's degree-level completion based on a technical certificate or other formal technical training program acquired outside Kent State University. The block of credits awarded for technical training outside Kent State University is not applicable to any other degree programs. See Radiologic Technology Completion programs on page 347 of this Catalog.

Associate of Technical Study

Industrial Trades Technology Completion Program

The Geauga and Trumbull Campuses offer an associate's degree completion program for students who have completed four years of apprenticeship/journeyman training. Apprentices must have completed their training from an organization working in cooperation with the Bureau of Apprenticeship and Training in the U.S. Department of Labor.

Students interested in this program should apply to the Geauga or Trumbull Campus and must meet with an adviser to be admitted to this program. Upon admission to this program, students will be granted 30 credit hours on the basis of their apprenticeship training. In addition, they must successfully complete a minimum of 35 hours of courses selected in accordance with the following curriculum:

I.   **RELATED COURSES** **15**
COMT 11000, Introduction to Computers 3
IERT   22003, Supervision and Labor Relations 5
          22006, Economic Decision Analysis 3
MATH 11011, College Algebra 4

II.   **GENERAL STUDIES COURSES** **20**
COMM 15000, Theory and Practice of Oral Discourse 3
ECON 22061, Principles of Macroeconomics 3
ENG   10001, College English I 3
         Choose one from: *3*
         20001, Business Writing (3)
         20002, Technical Writing (3)
US   10001, University Orientation 1
PSYC 11762, General Psychology 3
General Studies Electives 4
Select from the LERs list in this Catalog, *in consultation with an academic adviser.*

                                    TOTAL   **35**

The total degree will consist of 65 credit hours. Coursework may be pursued at any Regional Campus but students must be advised by an adviser at the Geauga or Trumbull Campus.

MILITARY STUDIES

AIR FORCE RESERVE OFFICER TRAINING CORPS (AFROTC)

The Air Force ROTC program provides professional preparation for students considering service as officers in the U.S. Air Force. The program offers information on Air Force career opportunities and the role of the military in the American society. Courses are normally taken for academic credit as part of the students' electives. Entering freshmen and sophomores may register for aerospace studies courses at the same time and in the same manner as they enroll in their other college courses. Freshmen may register for ASTU 10101 and 10103 for the fall term and ASTU 10102 and 10104 for the spring term; sophomores may register for ASTU 20101 and 20103 for the fall term and ASTU 20102 and 20104 for the spring term. The courses include 1 hour of academic instruction and a 1 hour leadership laboratory each week. There is no military obligation incurred when students enroll in freshman- and sophomore-level courses.

Scholarship Action Program
Students who demonstrate academic and leadership potential may be selected by the professor of Aerospace Studies to compete for scholarships. These scholarships are for three or two years, and are awarded in the following fields: technical (chemistry, computer science, mathematics and physics), nontechnical (architecture, business, economics, journalism, etc.), nursing, premedical and prelaw. The scholarship award includes tuition, laboratory fees, textbook allowance and a monthly grant of $200, tax free.

Incentive Scholarship Program
Air Force ROTC students in the Professional Officer Course (juniors and seniors) who are not already on scholarship are eligible for $1,500 per semester cash scholarships, $225 per semester for books, plus $200 per month, tax free. This award is limited to four total semesters (up to $10,600) and cadets must be in good academic standing.

Scholarship Statement of Understanding
Air Force ROTC scholarship recipients must meet and maintain certain academic and military retention standards and serve in the active-duty Air Force after graduation. Contact the Air Force ROTC office at (330) 672-2182 for more information on available scholarships.

Curriculum
The curriculum in Aerospace Studies is divided into two parts: the General Military Course (GMC), usually taken during the freshman and sophomore years, and the Professional Officer Course (POC), normally taken during the junior and senior years.

All aerospace studies courses are taught by Air Force officers assigned as full-time faculty members.

The General Military Course (GMC) is offered in four-sequenced lower-division aerospace studies courses. Each course consists of 1 hour of academic instruction per week and 15 leadership laboratory contact hours per semester. Membership in the GMC does not confer any military status or commitment upon the students, but affords them the opportunity to learn about the Air Force and its role in the American society. Students who do not want commissions may take the aerospace studies courses for academic credit only. There is no military obligation incurred by enrolling in the GMC.

The Professional Officer Course (POC) is a four-sequenced upper-division aerospace studies course. Each course consists of 3 hours of academic instruction per week and 15 leadership laboratory contact hours per semester. Entrance into POC is limited to qualified students desiring to compete for Air Force commissions. Enrollment in this program is based upon cumulative GPA, physical qualifications, leadership and academic major. Successful completion of the POC qualifies the student for appointment as a Second Lieutenant in the U.S. Air Force.

There are two AFROTC Programs under which applicants may earn their commissions. The first is a Four-Year AFROTC Program. It includes membership in and completion of the GMC and POC (including a four-week field training course). The second is a Two-Year Program designed for students who have two years of academic work remaining. The Two-Year Program students attend a five-week field training course that concentrates on coursework missed during the freshman and sophomore years.

Applicants for the POC must attend a summer field training course, usually between their sophomore and junior years. The Air Force furnishes uniforms, housing, medical care, meals, round-trip travel allowance and military pay. Students who successfully complete field training then become eligible for the POC.

Veterans with previous honorable, active, U.S. military service who wish to enroll in the POC may receive a waiver of either the GMC or its equivalent as an entrance requirement. Veterans who meet all other requirements will be enrolled at the beginning of the junior year.

Uniforms and textbooks are provided at no charge to all students enrolled in AFROTC. Textbooks are returned upon completion of each academic year or upon withdrawal from the course.

ARMY RESERVE OFFICER TRAINING CORPS (ARMY ROTC)

Overview

Kent State University's tradition of Army ROTC began in 1947, and more than 1,100 students have been commissioned as officers in the U.S. Army. Army ROTC falls under the Military Science course heading and offers a two-four year course of study that adds practical management training and leadership experience to students' chosen academic degree. All students, undergraduate and graduate, are eligible to participate in the Army ROTC program.

Students whose career goals require leadership or managerial skills, those with an interest in the national defense structure and role of the military in society, or those students wishing to explore the financial benefits of the ROTC program and the Army, are encouraged to enroll in the introductory lower-division Military Science courses. These courses can be applied as elective credit toward most undergraduate degrees. Enrolling in Military Science courses follows the same procedure as other university courses. Participation is voluntary and requires no military obligation.

CURRICULUM

The Military Science curriculum is unified by the study of leadership, discipline and personnel management. Students will study leadership theory and dynamics through case studies, Army doctrine, military history and practical exercises. The program is divided into two segments: the Basic Officer Course and the Advanced Officer Course.

Basic Officer Course

The Basic Officer Course introduces students to the role of the military in our society, the fundamentals and dynamics of leadership and management, and the practical application of these fundamentals. There is no military obligation for enrolling in any of the basic course classes, and all undergraduates are eligible to enroll. Freshmen are encouraged to enroll in MSCI 10180 and MSCI 10185 with the accompanying leadership lab MSCI 10190. Sophomores are encouraged to contact the program's Enrollment Officer for guidance on Military Science placement. Students who have prior military service through active or reserve components can receive basic course credit and are eligible for placement into the Advanced Officer Course.

Advanced Officer Course

The Advanced Officer Course enhances the preparation of the professional officer. The advanced Military Science courses are open to both undergraduate and graduate students who have completed the Basic Officer Course requirements. These upper-division courses involve military leadership, personnel principles, ethics and law. An additional 35-day summer practicum allows students to put into practice all their learned skills while being constantly evaluated on their leadership abilities.

FINANCIAL ASSISTANCE PROGRAMS

Scholarships

Students who demonstrate academic and leadership potential may apply for Army ROTC four-, three-, and two-year scholarships. The scholarship pays tuition and fees (excluding flight fees) up to $9,000, $200-per-month tax-free grant and $450-per-year book allowance. Two- and three-year scholarship applications are only available on campus and are under the immediate control of the Army ROTC program. Currently, Kent State's Army ROTC program has several scholarships to award in each academic year. Applications are taken year round, and awards are given during spring semester. Scholarship eligibility criteria include: college GPA, ACT/SAT results (three-year applicants only), extracurricular activities and work, an interview and review board. Four-year scholarship applications are due by Nov. 15 in the students' senior year in high school. Those who are interested may contact our office, their local guidance counselor, or call (800) USA-ROTC for an application. All scholarships are awarded based on merit rather than need and on-campus scholarships are on a first-come basic. All academic majors are eligible to apply.

University Incentives

For students interested in participating or currently enrolled, Kent State University has given our program 16 dormitory room incentives and $12,500 to use toward discretionary scholarships. These incentive scholarships are awarded annually to students in our program and carry no military obligation. Incoming freshmen and other interested parties should call to set up an interview. The interview is the only application requirement.

OTHER PROGRAMS AND INFORMATION

Simultaneous Membership Program

Members of the Army National Guard, Army Reserves or students who have completed the ROTC Basic Officer Course are eligible to participate in the Simultaneous Membership Program (SMP). SMP students serve as officer trainees in a local National Guard or Reserve unit while attending full time at Kent State University and taking Military Science classes. Upon graduation and completion of the ROTC program, SMP students will receive a commission as a Second Lieutenant in the National Guard, Reserves, or go on active duty. In addition to becoming officers, students will receive all eligible financial benefits of the National Guard or Reserves (i.e., 100 percent tuition, GI Bill with more than $2,000, up to $10,000 in student loan repayment, and annual part-time pay with more than $2,800) and $200 per month for ROTC. All students currently participating in a National Guard or Reserve program while attending

Kent State University should look into the Army ROTC program. Service time while in school counts toward your military commitment.

Basic Camp (Camp Challenge)
Students who have not taken the Basic Officer Course classes but wish to pursue a commission and receive some financial benefits of the ROTC program can attend a 35-day summer camp in lieu of the Basic Officer Course. Basic Camp teaches those skills required to complete the on-campus program and, additionally, offers students practical leadership experience by performing as cadet leaders throughout the camp. Basic Camp is challenging, both mentally and physically. Upon completion, students are eligible for placement in the Advanced Officer Course, two-year scholarship benefits, and entrance into the SMP program (see above). However, there is no obligation to continue in the program and students are paid more than $700 for attendance. Once again, no military obligation is incurred. (Note: In 1997 and 1998 Basic Camps, 100 percent of medically eligible students who successfully completed Basic Camp received two-year scholarship offers.)

Career Opportunities
The Army has 25 branches with literally hundreds of job descriptions for newly commissioned officers. Areas such as Communication, Finance, Military Intelligence, Military Police, Nursing, Public Affairs, etc., offer the new officer a variety of career options. A Second Lieutenant going on active duty (as of 2000) starts out at more than $31,000 and exceeds $50,000 within four years of service. Additional benefits include: a 20-year retirement, 30 days paid vacation, 100 percent medical and dental coverage, and $200,000 worth of life insurance. A commission into a reserve component brings earnings ranging from $3,500 and $4,500 annually for 39 days of duty. Whether the Army is a career aspiration or a résumé-building first job, the opportunities are limitless.

Departmental Programs
Students may elect to participate in activities beyond their course of study. Adventure activities such as mountaineering, rappelling, rifle marksmanship, physical conditioning and land navigation are examples of other programs complementing the Military Science study.

ROTC offers a drill team/color guard that trains and performs at university functions as well as community service events. Members do not need to enroll in ROTC to participate.

The ROTC Cadet Ranger team is a training-oriented student group emphasizing leadership experiences, group dynamics and advanced military skills. Team members complete in regional competitions against other university programs.

Miscellaneous
The following are some final highlights of the Army ROTC program.

• Nursing students are encouraged to consider ROTC. There are nursing scholarships available, and recipients are guaranteed a nursing position after graduation.

• U.S. Army Specialty slots to Airborne School, Air Assault School, Northern Warfare School, Survival Training and others are available annually to enrolled student-cadets.

• We provide textbooks and uniforms. All materials needed for our course are provided by the Department of Military Science.

• Students who enter active military service after graduation may defer payment of national direct student loans or nursing student loans for up to three years.

Contacts and Information
The Army ROTC staff at Kent State University is available year round to provide additional information or answer questions concerning these academic programs, scholarship opportunities and enrollment requirements. The office is located in 109 Wills Hall on the university's Kent Front Campus and can be reached by telephone at (330) 672-2769/2152.

SERVICE-MEMBERS OPPORTUNITY COLLEGES

Kent State University is a member of Service-members Opportunity Colleges, a consortium of over 1300 institutions pledged to be reasonable in working with service members and veterans trying to earn degrees even while pursing demanding, transient careers. As a SOC member we are committed to easing the transfer of relevant course credits, providing flexible academic residency requirements, and credit learning from appropriate military training and work experiences. SOC is sponsored by 15 national higher education associations with the military services, the National Guard bureau, and the Office of the Secretary of Defense serving as cooperating agencies.

COMBINED BACCALAUREATE AND MASTER'S PROGRAM

Persons with outstanding undergraduate records or exemplary professional credentials may be eligible for one of the following enrollments in a combined baccalaureate and master's program:

I.   A Combined Baccalaureate/Master's for Degree Students Early
      In Their Undergraduate Studies
      Students who have achieved a GPA of
      3.50 after 60 semester hours
      3.40 after 75 semester hours
      3.30 after 90 semester hours
      or 3.20 after 105 semester hours
      may apply for early admission to a master's degree program
      by:
      A. Completing the Application for Admission.

      B. Completing the Combined Baccalaureate and Master's Pro-
          gram form, which includes:
      1. Listing the courses at the undergraduate level that need to
          be taken for the baccalaureate degree.
      2. The beginning date for graduate study.
      3. Listing of graduate courses to be utilized in satisfying the
          undergraduate degree. (In participating
          departments/schools, students may apply up to 12 of their
          accumulated graduate hours toward the completion of
          their undergraduate degree requirements as well. The stu-
          dents' undergraduate department will determine the under-
          graduate coursework for which graduate credits may be
          substituted.) In some departments graduate coursework
          may be substituted only for elective undergraduate course-
          work and cannot be used as substitution within the major.
          (please check with the graduate coordinator in your indi-
          vidual department.) The selection of the graduate course-
          work and the number of credits to be applied toward an
          undergraduate degree requires the approval of the gradu-
          ate chair in the students' academic department and the
          appropriate undergraduate and graduate deans.

      C. Providing three letters of recommendation from the
          instructors who are familiar with the students' achieve-
          ments and intended academic goals.

      D. Submitting any needed test scores from standardized
          examinations.

II.   Combined Baccalaureate/Master's Program for Specified Pro-
      fessional Programs
      A. Combined Baccalaureate/Master's Degree Program in
          Speech Pathology and Audiology Leading to Clinical Certi-
          fication

Students who have earned 90 semester hours and
achieved a minimum GPA of 3.00 may, with approval of
the School of Speech Pathology and Audiology, apply for
admission to the combined program. Admission will be
based upon satisfactory GRE scores, three letters of rec-
ommendation, and completion of the Application for
Admission and Combined Baccalaureate and Master's Pro-
gram forms.

B. The Combined Baccalaureate/Master's Program in the
    School of Architecture and Environmental Design Leading
    to the Bachelor of Architecture and Master of Architecture
    Degrees
    Students who have earned 105 semester hours and
    achieved a minimum GPA of 3.00 may, with approval of
    the School of Architecture, apply for admission to the
    combined program. Admission will be based upon satis-
    factory portfolio review, three letters of recommendation,
    and completion of the Application for Admission and Com-
    bined Baccalaureate and Master's Program forms. Stu-
    dents who have completed a Bachelor of Science degree in
    Architecture elsewhere, with a minimum GPA of 3.00, and
    have been accepted into the Bachelor of Architecture pro-
    gram at Kent State University may apply for the Combined
    Program. Students may apply up to 10 hours of specific
    graduate credit to the Bachelor of Architecture degree pro-
    gram.

C. Combined Baccalaureate/Master's Program in the College
    of Business Administration
    Students must have earned 90 semester hours to apply for
    the Combined Baccalaureate/Master's Program in the Col-
    lege of Business Administration. In addition, they must
    meet the GPA requirements outlined under Item I.

D. Combined Baccalaureate/Master's Program in the Center
    for International and Comparative Programs and the Grad-
    uate School of Management Leading to the Bachelor of
    Arts and Master of Business Administration Degrees
    Students must be an international relations major and
    complete their major in the first three years of study. In
    addition, students must pass a language proficiency exam,
    have a cumulative GPA of 3.30 and earn a minimum GMAT
    score of 525 before being admitted to the M.B.A. program.
    In the fourth year of this combined program, students take
    graduate business courses that are applicable to the under-
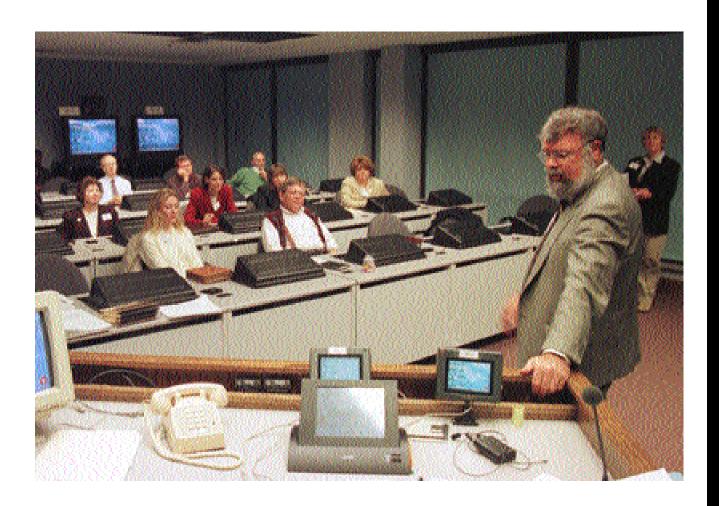   graduate degree as electives and to the M.B.A. degree as

foundation coursework. During the final year, students take advanced graduate business coursework leading to the M.B.A. degree.

E. <u>The Combined Bachelor of Science/Master of Arts Degrees in Visual Communication Design</u>
This is a five-year degree program with optional concentrations in 2D Graphic Design, 3D Graphic Design and Illustration. Students passing Junior Portfolio Review; having completed a minimum of 90 semester hours; demonstrating excellence in formal organization and conceptual problem solving abilities and technical skills; maintaining a minimum 3.00 overall GPA and a 3.25 in the major, will be invited or may petition to enter this program. An overall GPA of 3.00 and a major GPA of 3.00 in both the bachelor's and master's programs will be required for graduation.

III. A Nontraditional Master's Degree Student
In rare instances, persons who have not completed a baccalaureate degree will be considered for admission to the appropriate graduate unit due to unusual and exemplary experiential learning. Such applicants may apply for admission by presenting for departmental consideration a curricular plan encompassing undergraduate and graduate coursework to achieve a liberal educational background and professional graduate degree and three letters of recommendation attesting to their potential for graduate study. Upon departmental recommendation and the approval of the dean of the appropriate graduate unit, the applicants will be admitted to undertake graduate work. Upon successful completion of the curricular plan and the particular master's degree requirements, the students will be awarded the master's degree.

THE COLLEGE OF CONTINUING STUDIES
Advising Offices Are Located In:

Office of Summer Sessions
204 Michael Schwartz Center
(330) 672-3233

COLLEGE OF CONTINUING STUDIES

The College of Continuing Studies, in cooperation with academic units, sponsors quality, nontraditional, academic programs. The College of Continuing Studies includes Evening and Weekend programs, Gerontology Center, the Division of Lifelong Learning, Office of Public Service and Outreach and Summer Sessions.

EVENING AND WEEKEND PROGRAMS
Evening and weekend programs are for people who find the traditional daytime schedule of classes inaccessible. Most evening and weekend students are adults employed full- or part-time who have additional family responsibilities. Evening and weekend programs permit students to complete requirements for any of 25 undergraduate degrees.

Majors offered in the evening and weekend include: accounting, advertising, business management, computer science (applied math), justice studies, economics, English, finance, general studies, gerontology, history, hospitality food service management, information systems, individual and family studies, interior design, news, operations management, marketing, psychology, public relations, rhetoric and communication, technology and visual communication design.

If you are an adult student interested in attending the evening and weekend programs, please contact the Office of Adult Services, (330) 672-7933.

GERONTOLOGY
The Gerontology Center administers outreach programs and services for the senior adult population. The Elderhostel, Senior Guest Student and Cooperative Senior Volunteer Programs are among these outreach efforts.

LIFELONG LEARNING
The Division of Lifelong Learning administers both credit and noncredit programs to meet lifelong learning needs of the university and the professional community. In addition, for students enrolled for at least 11 and not more than 18 credit hours during fall or spring semester (including workshop credit hours), the tuition portion of the workshop fee is included in the full-time fees for the semester. All credit workshops are graded satisfactory/unsatisfactory (S/U).

In cooperation with other academic and service units at the university, the Division of Lifelong Learning offers credit workshops, conferences, noncredit courses, and seminars for professionals in business, education, health care and other fields. In partnership with the College of Business Administration, the division provides customized training and consulting to organizations through the Center for Executive Education and Development. To receive additional information, contact the College of Continuing Studies, 204 Michael Schwartz Center, (330) 672-3237; or visit our Web site: www.kent.edu/continuing_studies.

PUBLIC SERVICE AND OUTREACH
The Office of Public Service and Outreach develops, manages and cosponsors learning opportunities for the enrichment of special target populations and community development. The Summer Youth program and Intensive English as a Second Language Programs are among these opportunities.

SUMMER SESSIONS
Educational opportunities for all students are available through Kent State University's comprehensive summer sessions. Summer on the beautiful Kent Campus is a special time of growth and development for many students. The trees, the carefully tended flower beds, and air-conditioned classrooms, combined with an outstanding program of more than 1,500 course offerings, make Kent State an ideal place for students to expand their horizons under the most favorable conditions.

Summer sessions at Kent State University begin in May with a three-week intensive intersession and continue with two consecutive five-week terms and an overlapping eight-week term. Daytime and evening courses are included. A variety of workshops, both credit and noncredit, are available in addition to regular credit classes.

To obtain a summer schedule booklet, contact the Office of Summer Sessions, 204 Michael Schwartz Center, (330) 672-3233 after March 1; you may FAX a request to (330) 672-2079, or e-mail Gloria@ccs.kent.edu or visit our Web site at http://www.kent.edu/continuing_studies.