





THE SCHOOL OF NURSING  
Advising Offices Are Located in:

113 Henderson Hall  
(330) 672-7930

## SCHOOL OF NURSING

THE KENT STATE UNIVERSITY SCHOOL 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 School 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 School of Nursing include the Award for Excellence in Nursing Practice, the Award for Leadership/Service, and the Judith Hollander Bess Award for Academic Excellence.

### Liberal Education Requirements

All students graduating with a baccalaureate degree from Kent State University must have completed 39 semester hours of Liberal Education Requirements. These requirements are normally to be fulfilled within the first 60 semester hours of enrollment. These courses reflect Kent's Liberal Education Requirements as they are further specified by the nursing curriculum. These requirements are:

- |  |            |
|--|------------|
| <b>I. Composition</b> . . . . .                                | <b>6</b>   |
| ENG 10001, 10002, College English I, II                        |            |
| <b>II. Mathematics, Logic, and Foreign Languages</b> . . . . . | <b>6</b>   |
| Select from the Liberal Education Requirements on page 76.     |            |
| <b>III. Humanities and Fine Arts</b> . . . . .                 | <b>12</b>  |
| Select from the Liberal Education Requirements on pages 76-77. |            |
| <b>IV. Social Sciences</b> . . . . .                           | <b>9</b>   |
| PSYC 11762, General Psychology . . . . .                       | 3          |
| SOC 12050, Intro. to Sociology . . . . .                       | 3          |
| One course . . . . .   | 3          |
| selected from the Liberal Education Requirements on page 77    |            |
| <b>V. Basic Sciences</b> . . . . .                             | <b>10</b>  |
| CHEM 10050, Fundamentals of Chemistry . . . . .                | 3          |
| <b>Choose one from:</b> . . . . .                              | <b>2-5</b> |
| 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 79-80 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.

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- 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

FCS 33512, Nutrition . . . . .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

SOC 32220,32221, Data Analysis (4)

MATH 10041, Elem. Prob. and Statistics (3)

PSYC 21621, Quant. Methods in Psych. (3)

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.

\*\*Offered spring semester only.

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

\*\*\*\*See Nursing Liberal Education Requirements, page 291.

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; Portage Visiting Nurse Associations; Marymount Home Health Care; Alliance Visiting Nurse Agency, and various other social and health agencies.

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 average of 2.70 (on a 4.0 scale) is also required.

An ACT composite score of 22 and 22 in the natural sciences is the minimum expected in order to receive favorable consideration.

### *Transfer Students*

In addition to meeting all general University requirements for admission, transfer students should contact the School of Nursing regarding special information and deadlines.

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

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

### *Second Degree Students*

Persons with a nonnursing degree wishing to pursue the study of nursing should consult with the School 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 School 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 average in these sciences;
2. Complete a minimum of 31 semester hours with a 2.50 or higher grade point average.

In February of the freshman year, prenursing students should apply directly to the School of Nursing for admission to the sophomore nursing sequence. Selection for the sophomore nursing sequence is made by a faculty committee of the School 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 System*

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 accumulative 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 grade point average; the completion of all biology and chemistry courses as noted in program requirements with a 2.00 or higher grade point average; completion of all freshman and sophomore nursing courses with a 2.00 or higher grade point 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 grade point average; the completion of all junior nursing courses, a 2.00 minimum average 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 grade point average 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.

*Expenses and Financial Aid*

In addition to the regular University expenses, nursing school costs for the four years include:

Uniforms, \$80.00

(Payable in September prior to beginning sophomore nursing)

Nurse Liability Insurance, \$99.00

Clinical Nursing Laboratory Fee approx, \$800.00

Senior Year Expenses, \$400.00

(Approximate expenses. Includes school pin, State Board Examination, NCLEX review and licensure.)

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 Mount Sinai Hospital of Cleveland
- Cleveland Clinic Foundation Nursing Education Grant Program
- St. Luke's Hospital Tuition Assistance Plan
- University Hospitals of Cleveland Tuition Assistance Plan
- The Army, Air Force, and Navy Nurse Corps Student Programs







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 twenty-first 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's eight-campus system, offers technology-based programs that will provide students with the skills needed to compete in today's job market.

With more than twenty-five programs—at the certificate, associate, bachelor's and master's degree levels—throughout Kent's eight-campus system, 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: Aeronautics, Applied Business Technologies, and Applied Science and Technology.

On the Kent Campus, the School of Technology offers four-year programs in Aeronautics, Industrial Technology, and Technology. At Kent'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 bachelor of science 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 39-hour minimum stipulated in the Liberal Education Requirements. (See pages 76-78).*

### 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 two (2) credits; one (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 grade point average. Cooperative education is repeatable to a maximum of six (6) credits; how-

ever, 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 79-80 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 204-207 for Teacher Education Curriculum.*

- |      |   |    |
|------|---|----|
| I.   | <b>Composition</b> . . . . .  | 9  |
|      | ENG 10001, 10002, College English I, II . . . . .   | 6  |
|      | 20002, Technical Writing . . . . .  | 3  |
| II.  | <b>Mathematics, Logic, and Foreign Languages</b> . . . . .  | 7  |
|      | MATH 12001, Algebra and Trigonometry . . . . .  | 4  |
|      | Select 3 hours . . . . .  | 3  |
|      | <i>from the Liberal Education Requirements on page 76.</i>  |    |
| III. | <b>Humanities and Fine Arts</b> . . . . .   | 12 |
|      | COMM 15000, Theory and Practice of Oral Discourse . . . . .   | 3  |
|      | Select 9 hours . . . . .  | 9  |
|      | <i>from the Liberal Education Requirements on page 76. At least 3 hours should be in the fine arts.</i> |    |
| IV.  | <b>Social Sciences</b> . . . . .  | 12 |
|      | PSYC 11762, General Psychology . . . . .  | 3  |
|      | 31773, Industrial Psychology . . . . .  | 3  |
|      | Select 6 hours . . . . .  | 6  |
|      | <i>from the Liberal Education Requirements on page 77.</i>  |    |
| V.   | <b>Basic Sciences</b> . . . . .   | 9  |

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At least 6 hours must be from courses that include a laboratory component. The remaining 3 hours may be from Liberal Education Requirements on page 77.

VI.	US 10001, University Orientation	1
VII.	Major Requirements:	
	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	3
	Technology	
TECH	11071, Woods Technology I	3
	21046, Graphic Communication Tech. I	3
TECH	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	12
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 registering for upper-division technology courses.

Minimum of 39 upper-division hours required.

Minimum of 2.00 overall grade point average is required.

Minimum of 2.25 required in major.

SPECIAL NOTICE

In order to enroll in upper-division professional education coursework, students seeking teaching certification must be admitted to advanced standing in teacher education. A 2.50 grade point average, clearance of all Professional Standards, and evaluations from instructors of foundations courses are required. Application for advanced standing should be made at the Office of Teacher Education, 306 White Hall, after 45 hours are completed.

"2 + 2" Concentration for Associate Degree Graduates

This "2 + 2" concentration provides a broad-based education in technology subjects for technology associate 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 Bachelor 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 Liberal Education Requirements	3
III.	Humanities and Fine Arts	12
	Select 12 hours from Liberal Education Requirements At least 3 hours should be in fine arts.	
IV.	Social Sciences	9
	Select 9 hours from Liberal Education Requirements.	
V.	Basic Sciences	9
	At least 6 hours must be laboratory science courses. Select the remaining 3 hours from Liberal Education Requirements.	
VI.	US 10001, University Orientation	1
VII.	Requirements	49
	Technology courses from associate degree	34
	Technology electives (upper-division)	15
VIII.	General electives (minimum of 12 hours upper-division)	25
	TOTAL	121

Notes: Minimum of 27 hours of upper-division coursework required for technology associate degree graduates. Minimum of 2.00 overall grade point average 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 consist of four (4) 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 which offers admission to Ohio students who are graduates of accredited high schools, admission to the Aeronautics programs is limited and highly selective. Only students who have earned a 2.25 high school cumulative grade point average will be considered for admission. Students not admitted to the programs may qualify for admission 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 grade point average of 2.25 or above.

All applications must include the \$30.00 application fee, official American College Test (ACT)/Scholastic Aptitude (SAT) scores, and an official high school transcript which shows class rank and coursework in ninth, tenth, and eleventh grades, as well as the courses which are being taken or will be taken in the senior year. Transcripts which do not show class rank and senior courses cannot be considered.

#### **Requirements for Admission for Transfer Students**

Only transfer students with a grade point average of 2.25 or above will be considered for admission. This grade point average 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 \$30.00 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 grade point average 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, Flight Technology, and Aviation Management.

### 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 engineering-related subjects associated with systems, powerplants, 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.

<b>I. Composition</b>	<b>9</b>
ENG 10001, 10002, College English I, II	6
20002, Technical Writing	3
<b>II. Mathematics, Logic, and Foreign Languages</b>	<b>7</b>
MATH 12001, Algebra and Trigonometry	4
11012, Intuitive Calculus	3
<b>III. Humanities and Fine Arts</b>	<b>12</b>
COMM 15000, Theory and Practice of Oral Discourse	3
Plus 9 hours	9
from Humanities and Fine Arts Liberal Education Requirements on page 76	
<b>IV. Social Sciences</b>	<b>9</b>
ECON 22060, Principles of Microeconomics	3
22061, Principles of Macroeconomics	3
PSYC 11762, General Psychology	3
<b>V. Basic Sciences</b>	<b>13</b>
PHY 13001, 13002, General College Physics I, II	10
32562, Aerodynamics	3
<b>VI. US 10001, University Orientation</b>	<b>1</b>

School of Technology

VII. Major Requirements: .75

Technology Courses

TECH	10001, Information Technology	3
	13580, Engineering Graphics I	3
	20002, Materials and Processes	3
	21021, Survey of Electricity and Electronics	4
	33033, Hydraulics / Pneumatics	3

Aeronautics Core

TECH	15000, Aerospace Technology	3
	35020, Aerospace Propulsion	3
	35040, Aerospace Systems	3
	35150, Aerospace Structures	3
	45030, Advanced Aerospace Systems	3
	45291, Aerospace Senior Seminar	1
	45350, Avionics	3

Flight Technology Courses

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

Related Courses

TECH	35341, Air Trans. Systems	3
	45130, Phys. and Human Factor of Flight	3
	45150, Applied Flight Dynamics	3
	45250, Aviation Law and Safety	3

TOTAL 126

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

Minimum of 39 upper-division hours required.

Minimum of 2.00 overall grade point average required.

Minimum of 2.25 required in major and field of concentration grade point averages.

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 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 .12

COMM	15000, Theory and Practice of Oral Discourse	3
	Plus 9 hours	9
from Humanities and Fine Arts Liberal Education Requirements on page 76.		

IV. Social Sciences .9

ECON	22060, Principles of Microeconomics	3
	22061, Principles of Macroeconomics	3
	Plus 3 hours	3
from the social sciences Liberal Education Requirements on page 77		

V. Basic Sciences .16

CHEM	10050, Fundamentals of Chemistry	3
PHY	23101, 23102, General University Physics I, II	10
	32562, Aerodynamics	3

VI. US 10001, University Orientation .1

VII. Major Requirements: .58

Technology Courses

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
	33222, Digital Design and Applications	3
	33363, Metal. & Material Science	3
	35111, Strength of Materials	3

**Aeronautics Core**

TECH 15000, Aerospace Tech	3
35020, Aerospace Propulsion	3
35040, Aerospace Systems	3
35150, Aerospace Structures	3
45030, Adv. Aerospace Systems	3
45291, Aero Senior Seminar	1
45350, Avionics	3

**Related Courses**

TECH 45121, Adv. Aerospace Propulsion	3
45150, Applied Flight Dynamics	3
45700, Aircraft Design	4

**VIII. Non-Major Requirements:** . . . . .1

General Elective (upper division)	1
<b>TOTAL</b>	<b>128</b>

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

*Students competing for Air Force ROTC Technical Scholarships should also take MATH 21001 and 42044.*

*Minimum of 39 upper-division hours required.*

*Minimum of 2.00 overall grade point average required.*

*Minimum of 2.25 required in major and field of concentration grade point averages.*

*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 the management and administrative sciences.*

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

20002, Technical Writing (3)	
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20001, Business Writing (3)	
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**II. Mathematics, Logic, and Foreign Languages** . . . . .10

MATH 12061, Algebra and Trigonometry	4
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11012, Intuitive Calculus	3
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CS 10061, Introduction to Computer Programming	3
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**III. Humanities and Fine Arts** . . . . .12

COMM 15000, Theory and Practice of Oral Discourse	3
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Plus 9 hours	9
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*Choose from Humanities and Fine Arts Liberal Education Requirements on page 76*

**IV. Social Sciences** . . . . .9

ECON 22060, Principles of Microeconomics	3
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22061, Principles of Macroeconomics	3
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PSYC 11762, General Psychology	3
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**V. Basic Sciences** . . . . .13

PHY 13001, 13002, General College Physics I, II	10
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32562, Aerodynamics	3
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**VI. US 10001, University Orientation** . . . . .1**VII. Major Requirements** . . . . .68**Technology Courses**

*TECH 10001, Information Technology	3
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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
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43700, Comp. Integ Manufacturing	3
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**Aeronautics Core**

TECH 15000, Aerospace Tech	3
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35020, Aerospace Propulsion	3
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TECH 35040, Aerospace Systems	3
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35150, Aerospace Structures	3
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45030, Adv. Aerospace Systems	3
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45291, Aero Senior Seminar	1
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45350, Avionics	3
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**Related Courses**

ACCT 23020, Intro. to Financial Accounting	3
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ADMS 24042, System Analysis I	3
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24055, Principles of Business Statistic	3
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34032, Data and File Technology	3
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34060, Operations Management	3
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34163, Principles of Management	3
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School of Technology

TECH 44043, Database Applications	3
35340, Airport Management	3
35341, Air Trans. Systems	3
<b>TOTAL</b>	<b>122</b>

*\*School of Technology students ONLY may substitute TECH 10001 for ADMS 24053, as a prerequisite for ADMS courses that have ADMS 24053 as a prerequisite.*

*Minimum of 39 upper-division hours required.*

*Minimum of 2.00 overall grade point average required.*

*Minimum of 2.25 required in major and field of concentration grade point averages.*

*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 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 foundation of aeronautically related subjects, but, at the same time, provides 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 35 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 Aeronautics with a concentration in Aeronautical Studies.*

<b>I. Composition</b>	<b>9</b>
ENG 10001, 10002, College English I, II	6
20002, Technical Writing	3
<b>II. Mathematics, Logic, and Foreign Languages</b>	<b>7</b>
MATH 11012, Intuitive Calculus	3
12001, Algebra and Trigonometry	4
<b>III. Humanities and Fine Arts (two courses in sequence)</b>	<b>12</b>
COMM 15000, Theory and Practice of Oral Discourse	3

Plus select 9 hours	9
Choose from fine arts from the Liberal Education Requirements on page 76.	
<b>IV. Social Sciences</b>	<b>9</b>
Plus select 9 hours	9
Choose from social sciences from the Liberal Education Requirements on page 77.	
<b>V. Basic Sciences</b>	<b>13</b>
PHY 13001, 13002, General College Physics I, II	10
32562, Aerodynamics	3
<b>VI. US 10001, University Orientation</b>	<b>1</b>
<b>VII. MAJOR REQUIREMENTS</b>	<b>50</b>
<b>Technology Courses</b>	
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 Eng. Graphics	3
<b>Aeronautics Core</b>	
TECH 15000, Aerospace Technology	3
35020, Aerospace Propulsion	3
35040, Aerospace Systems	3
35150, Aerospace Structures	3
45030, Adv. Aerospace Systems	3
45291, Aero. Senior Seminar	1
45350, Avionics	3
*Technology Electives	15
<b>VIII. NON-MAJOR REQUIREMENTS</b>	<b>20</b>
*General Electives	20
<b>TOTAL</b>	<b>121</b>

*\*Note: At least 20 semester hours of upper-division (3/40000) coursework must be completed between the technical and general electives.*

*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.*



## 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, 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

<b>I. Composition</b>	<b>9</b>
ENG 10001, 10002, College English I, II	6
20002, Technical Writing	3
<b>II. Mathematics, Logic, and Foreign Languages</b>	<b>20</b>
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
<b>III. Humanities and Fine Arts</b>	<b>12</b>
COMM 15000, Theory and Practice of Oral Discourse	3
Plus 9 hours	9
<i>Choose from the Humanities and Fine Arts Liberal Education Requirements on pages 76-77</i>	
<b>IV. Social Sciences</b>	<b>9</b>
ECON 22060, Principles of Microeconomics	3
22061, Principles of Macroeconomics	3
Social Science elective from the Liberal Education Requirements	3
<b>V. Basic Sciences</b>	<b>15</b>
PHY 23101, 23102, General University Physics I, II	10

CHEM 10060, General Chemistry I	4
10062, General Chemistry I Lab	1
<b>VI. US 10001, University Orientation</b>	<b>1</b>
<b>VII. Major Requirements</b>	<b>41</b>
<i>Technology Core:</i>	
TECH 10001, Information Technology	3
13580, Engineering Graphics I	3
20004, Electrical Circuits I	3
<i>Technology:</i>	
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
<b>VIII. Business:</b>	<b>6</b>
ADMS 24055, Principles of Business Statistics	3
34163, Principles of Management	3
<b>IX. Upper-division electives</b>	<b>13</b>
<i>At least 1 hour from Technology courses.</i>	
<b>TOTAL</b>	<b>126</b>

*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 grade point average required.*

*Minimum of 2.25 required in major and field of concentration grade point averages.*

*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.*

School of Technology

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 . . . . . 12

COMM 15000, Theory and Practice of Oral Discourse . . . . . 3

Plus 9 hours . . . . . 9

from the Humanities and Fine Arts Liberal Education Requirements on page 76

IV. Social Sciences . . . . . 9

ECON 22060, Principles of Microeconomics . . . . . 3

22061, Principles of Macroeconomics . . . . . 3

Plus 3 hours of Social Science . . . . . 3

from the Liberal Education Requirements on page 77

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

35111, 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

ADMS 24055, Principles of Business Statistics . . . . . 3

ADMS 34163, Principles of Management . . . . . 3

X. Electives . . . . . 7

Choose 7 hours from the following: . . . . . 7

ADMS 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)

43050, Individual Invest/Ind (1-2)

TOTAL	130
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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 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 which 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	12
COMM 15000, Theory and Practice of Oral Discourse	3
Select 9 hours	9
<i>Choose from Humanities and Fine Arts from the Liberal Education Requirements on pages 76-77.</i>	
IV. Social Sciences	9
ECON 22060, Principles of Microeconomics	3
22061, Principles of Macroeconomics	3
Select 3 hours	3
<i>Choose from Social Sciences from the Liberal Education Requirements on page 77</i>	
V. Basic Sciences	10
PHY * 13001, 13002, General College Physics I, II	10
VI. US 10001, University Orientation	1
VII. Major Requirements:	34
<i>Courses accepted by the School of Technology as transfer credit.</i>	
VIII. Technical electives (upper division)**	15
IX. Business:	21
<i>Accounting, Administrative Sciences, Economics, Finance, Marketing. At least 12 hours must be upper division.</i>	
X. General electives	9
<b>TOTAL</b>	<b>129</b>

\*Or equivalent.

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

Minimum of 27 upper-division hours required (with associate 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
<b>Choose one from</b>	<b>2-4</b>
* 11022, Trigonometry (2)	
12001, Algebra and Trigonometry (4)	
<b>Choose one from</b>	<b>3-5</b>
* 11012, Intuitive Calculus (3)	
12002, Analytic Geometry and Calculus I (5)	
III. Humanities and Fine Arts	12
COMM 15000, Theory and Practice of Oral Discourse	3
Select 9 hours	9
<i>Choose from Humanities and Fine Arts from the Liberal Education Requirements on pages 76-77</i>	
IV. Social Sciences	9
ECON 22060, Principles of Microeconomics	3
22061, Principles of Macroeconomics	3
PSYC 11762, General Psychology	3
V. Basic Sciences	10
<i>Select from PHY, CHEM, BSCI</i>	
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
21003, 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
ADMS 34060, Operations Management	3
44063, Quality and Cost Control	3
COMT 11000, Introduction to Computer Systems	3
FIN 36053, Business Finance	3
MKTG 35025, Business Logistics Management	3
Business elective (upper division)	3

Recommend: ADMS 34056, Intermediate Statistics

X. General Electives . . . . .	9
<b>TOTAL</b>	<b>129</b>

\*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 BS 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 Flt II. . . . .	2
35746, Commercial Pilot Theory . . . . .	2
35747, Commercial Pilot Flight III . . . . .	2
<b>TOTAL</b>	<b>23</b>

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
TECH 33222, Digital Designs and Applications . . . . .	3
33580, Engineering Graphics for Electronics . . . . .	3
43026, Microprocessor Systems . . . . .	3
<b>TOTAL</b>	<b>18</b>

\*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 . . . . .	3
23581, Computer-Aided Engineering Graphics . . . . .	3
31000, Cultural Dynamics of Technology . . . . .	3
Technology electives . . . . .	3
<b>TOTAL</b>	<b>28</b>

\*\*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 Departmental Minors*

The following minors within the College of Arts and Sciences are available to all undergraduate students at Kent State University. Please see pages 137-142 for program requirements.

Anthropology  
Applied Conflict Management  
Biological Sciences  
Chemistry  
Computer Science  
Criminal Justice Studies  
Economics  
English  
French  
Geography  
Geology  
German  
Greek  
History  
Latin  
Mathematics  
Pan-African Studies  
Philosophy  
Physics  
Political Science  
Psychology  
Russian  
Sociology  
Spanish

#### *Arts and Sciences Interdisciplinary Minors/Certificate Programs*

The following interdisciplinary minors/certificate programs within the College of Arts and Sciences are available to all undergraduate students at Kent State University. Please see pages 143-154 for program requirements.

African Studies  
American Studies  
Asian Studies  
British Studies  
Cartography  
Classics  
Climatology  
Comparative Literature  
German Studies  
Health Care Ethics

Hellenic Studies  
Jewish Studies  
Lithuanian Studies  
North Atlantic Security Studies  
Paralegal Studies  
Pre-Law  
Religion Studies  
Romanian Studies  
Russian Studies  
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 172-177 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 214-215 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 University. Please see pages 223-226 for program requirements.

Art History  
Crafts  
Dance\*  
Design  
Family and Consumer Studies (General)  
Gerontology  
Music\*  
Photo Illustration  
Radio and Television

Rhetoric and Communication  
Studio Art  
Theatre

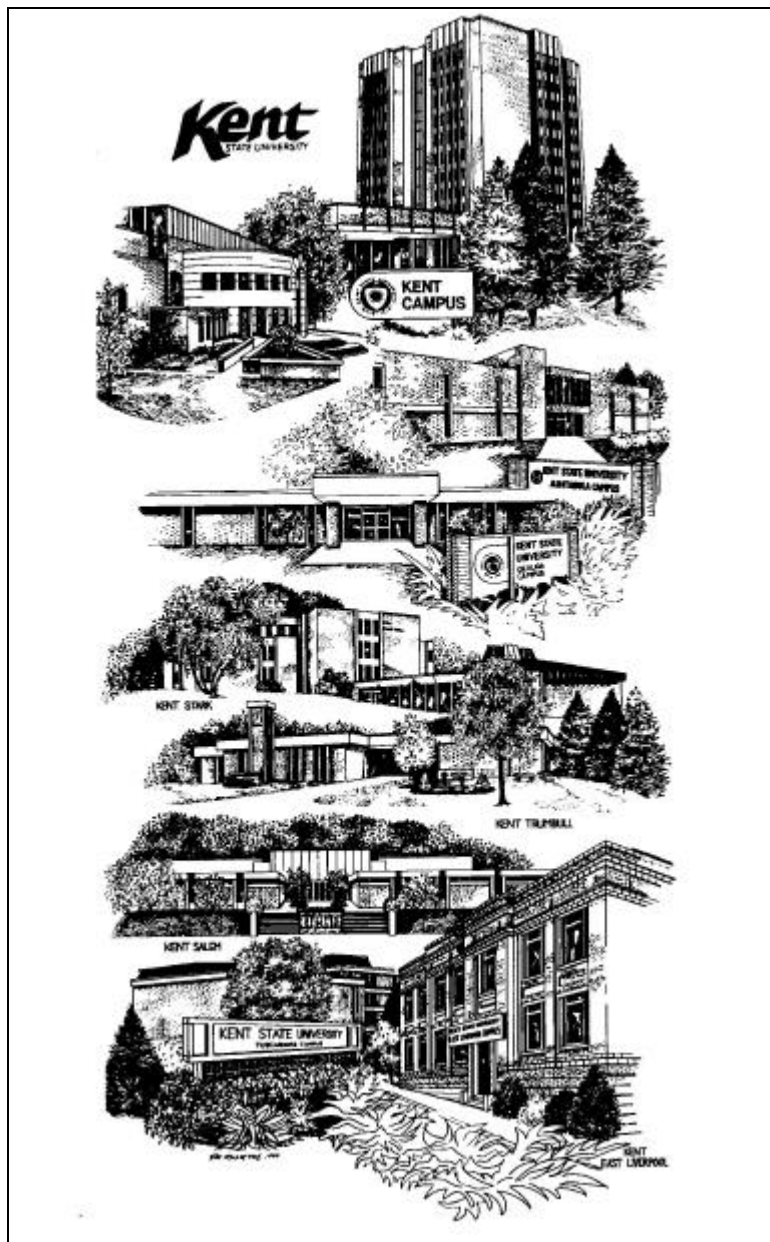
*\*Auditions are required before acceptance into the dance or music minors.*

*Fine and Professional Arts 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 University. Please see pages 248-249 for program requirements.

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







THE REGIONAL CAMPUSES  
Advising Offices Are Located at  
the Individual Campuses.

See pages 311 through 312  
for the campus nearest you.

## THE REGIONAL CAMPUS SYSTEM

THE REGIONAL CAMPUSES are a system 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 39-hour Liberal Education Requirement, 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 students 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, which occupies an eighty-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 East 4th St., East Liverpool, OH 43920, (330) 385-3805, (330) 385-3757 (FAX), 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, criminal justice, 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 micro-computer 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 Rd., Burton Twp., OH 44021 (440) 834-4187, (216) 951-1447 (Cleveland), 834-8846 (FAX), TDD (440) 834-4486, 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, which occupies a site just south of the city, features a lake and a twenty-five 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 the business, engineering, environmental health, horticulture, human services, and computer technologies.

*The Stark Campus*

6000 Frank Ave., NW, Canton, OH 44720 (330) 535-3377 or 499-9600, offers the first two years of study in most Kent State University baccalaureate programs, as well as selected upper-division and graduate courses. Also available is a Bachelor of Science in Management and Industrial Studies. Located on a 200-acre site in rolling terrain just south of the Akron-Canton Regional Airport, Stark is the largest of Kent'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 wide variety of cultural, social, and student activities, the campus also offers continuing studies, management and small business development expertise, developmental education, and academic support services.

*The Trumbull Campus*

4314 Mahoning Ave., NW, Warren, OH 44483 (330) 678-4281 or 847-0571, is located just north of the Route 5 bypass on State Route 45. Kent 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 thirteen areas of study, occasional graduate courses, developmental education courses, a varied continuing studies program, and a strong liberal arts core. Campus facilities include a gymnasium with a seating capacity for 2,400, a theatre, 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 student activities, academic support services, and programs for business and industry.

*The Tuscarawas Campus*

330 University Drive, NE, New Philadelphia, OH 44663 (330) 339-3391, occupies a site which is within a few minutes of a number of important historical areas, including the Ohio Outdoor Drama, which performs "Trumpet 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 variety of cultural, social, and student activities, the campus offers continuing studies, academic support services, developmental education, certificate programs, the first two years of baccalaureate programs, and programs in the business, computer, engineering technologies, environmental safety, and nursing.

**SCHOOL OF TECHNOLOGY**

Kent State University's School of Technology, part of the Regional Campus System, offers technology-based programs that will provide 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's eight campus system, 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. (*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'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 bachelor of science degree in Technology or Industrial Technology. These programs are described under "2+2" *Concentration for Associate 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. Special arrangements are often possible for individuals who do not have a diploma or GED. Part-time early admissions opportunities are available for qualified high school students in consultation with an adviser. In programs with special admission requirements, admission decisions and judgments, made by the director of the program following 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 grade point average or ACT score.

Each Regional Campus has staff members available to discuss admissions, financial aid opportunities, and programs with prospective 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 comprise one University system, access and mobility among these campuses 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 grade point average 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.

In order 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 also 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 and activities at the Regional Campuses include but are not limited to student government, clubs, organizations, counseling, placement advising, music, and theatre.

### 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:*

A&S 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 A&S 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:* Some of 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 considers advising students to be a primary responsibility of faculty and has encouraged the faculty-student advising relationship at each campus. In addition, an advising team, comprising representatives from each of the University's colleges and schools, travels each term to each campus to provide on-site advising for baccalaureate degree students.

#### *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.

### THE ASSOCIATE'S DEGREE

Associate's degrees are degrees awarded for the successful completion of 65 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 65 semester hours, it should be noted that most programs actually require slightly more hours than that 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 65 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 65 semester hours toward any Bachelor of Science degree.

The *Bachelor of Science* in Management and Industrial Studies is offered at the Stark Campus.

#### *"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 Liberal Education Requirements (LER). 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 76-78 of this *Catalog* for specific information about the Liberal Education Requirements.)

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 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 Safety Management Technology, Environmental Management Technology, Horticulture Technology, Human Services Technology, Legal Assisting Technology, Manufacturing Engineering Technology, Mechanical (Integrated Manufacturing) Engineering Technology, Nursing, Occupational Therapy Assisting 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 which 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 334.)

#### *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 system 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 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 grade point average 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 degree program are applicable to baccalaureate degrees both at Kent 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 B.S. in approximately two years of additional study. For additional information, please consult page 314 of this *Catalog*.

### Bachelor of Science

#### Management and Industrial Studies

*The Bachelor of Science in Management and Industrial Studies 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 broadly-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, administrative sciences, 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, can be used to further develop a selected area of interest.*

*The Bachelor of Science in Management and Industrial Studies is a degree program offered at the Stark Campus in Canton, Ohio, as well as the Kent Campus.*

*The Bachelor of Science in Management and Industrial Studies requires a total of 121 semester hours of successfully completed credits. In addition, 39 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 grade point average.*

<b>I. COMPOSITION</b>	<b>.6</b>
ENG 10001, 10002, College English I, II	.6
<i>Based on test scores, students may be required to take ENG 10000.</i>	
<b>II. MATHEMATICS, LOGIC, and FOREIGN LANGUAGES</b>	<b>.12</b>
One foreign language or equivalent in proficiency	.8
<b>Mathematics</b>	<b>.4</b>
<i>Students must pass one of the courses listed below or establish proficiency.</i>	
MATH 11011, College Algebra (4)*	
12001, Algebra and Trigonometry (4)	
<i>*Since MATH 12001 covers the same contents as 11011 plus 11022, credit is not allowed for both 12001 and 11011 or for both 12001 and 11022.</i>	
<b>III. HUMANITIES and FINE ARTS</b>	<b>.12</b>
COMM 15000, Theory and Practice of Oral Discourse	.3
26000, Criticism of Public Discourse	.3
PHIL 21001, Introduction to Ethics	.3
Fine Arts Elective	.3
<b>IV. SOCIAL SCIENCES</b>	<b>.9</b>
ECON 22060, Principles of Microeconomics	.3
PSYC 11762, General Psychology	.3
SOC 12050, Introduction to Sociology	.3
<b>V. BASIC SCIENCES</b>	<b>.9</b>
<i>Nine (9) hours must be selected from the basic sciences requirement on page 77 under "Liberal Education Requirements."</i>	
<b>VI. US 10001, University Orientation</b>	<b>.1</b>
<b>VII. MAJOR REQUIREMENTS</b>	<b>.59-66</b>
COMM 25863, Business and Professional Speaking	.3
<b>Choose one from:</b>	<b>.3</b>
ENG 20001, Business Writing (3)	
20002, Technical Writing (3)	
<b>Choose one from:</b>	<b>.3-5</b>
MATH 11012, Intuitive Calculus (3)	
12002, Analytic Geometry and Calculus I (5)	
ECON 22061, Principles of Macroeconomics	.3
PSYC 31773, Industrial Psychology	.3
SOC 42564, Bureaucratic Organizations	.3
ACCT 23020, Introduction to Financial Accounting	.3
23021, Introduction to Managerial Accounting	.3

ADMS 24053, Introduction to Computers and Information Systems	.3
24055, Principles of Business Statistics	.3
34060, Operations Management	.3
34163, Principles of Management	.3
34180, Human Resource Management	.3
TECH 31000, Cultural Dynamics of Technology	.3
<b>Choose one from:</b>	<b>.1-6</b>
33056, Cooperative Education - Professional Development (1-6)	
43050, Individual Investigation in Industry (1-2)	
43700, Computer Integrated Manufacturing	.3
<b>Select 12 additional hours from the following*</b>	<b>.12</b>
<i>with no more than six (6) from any one group:</i>	

#### **SOCIAL SCIENCES**

PSYC 30821, Psychology of Motivation (3)

SOC 32510, World of Work (3)

#### **COMMUNICATION STUDIES**

COMM 35550, Discussion (3)

35864, Organizational Communication (3)

45154, Rhetorical Speaking and Criticism (3)

45892, Organizational Communication and Development (3)

#### **TECHNOLOGY**

TECH 31020, Automated Manufacturing (3)

36008, Ergonomics and Computer Systems (3)

43080, Industrial and Environmental Safety (3)

43132, Manufacturing Engineering Project (2)

#### **UPPER-DIVISION BUSINESS**

ACCT 33063, Cost Control and Analysis for Management (3)

ADMS 34056, Intermediate Statistics (3)

44063, Quality and Cost Control (3)

FIN 36053, Business Finance (3)

MKTG 35010, Marketing (3)

<b>VIII. ELECTIVES</b>	<b>.8-15</b>
<b>TOTAL</b>	<b>121</b>

*\*The interdisciplinary nature of the Bachelor of Science in Management 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 following departments: accounting, administrative sciences, economics, finance, marketing. Up to nine 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, students may use approved regional campus equivalents for ACCT 23020, 23021, and ADMS 24053, 24055. No other courses from the Regional*

*Campuses' applied technology programs may be used or substituted for business-related coursework.*

*The 8-15 elective hours are needed to satisfy the minimum 121 total hour requirement. Depending upon the specific coursework taken to satisfy the major requirements, 4-9 of these elective hours must be taken at the upper division level to satisfy the minimum 39 upper-division hour requirement.*

## ASSOCIATE'S DEGREE REQUIREMENTS

### *General Academic Requirements*

In addition to completing a minimum of 65 semester hours of approved coursework and meeting all program requirements, candidates for an associate's degree, entering the University in the Fall Semester of 1980 or later with freshman standing, must also complete University Orientation (US 10001), a one-hour course.

To graduate, students must attain a minimum cumulative grade point average of 2.00 for all coursework taken at Kent State University. Candidates for the Associate of Applied Business and Associate of Applied Science must attain a 2.00 cumulative grade point average in the technical courses.

If students are required to take additional coursework to raise the grade point average in the technical core to 2.00, the course(s) will be selected in consultation with the program adviser and approved prior to registration. 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 which 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 mitigating circumstances.

### *Residency Requirements*

Students seeking an associate's degree must complete either the first 48 or final 16 hours of their programs at Kent State University in order to fulfill their residency requirement. This means that those hours must be completed either at the Kent Campus, at the Region-

al 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 primary, 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 program, 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 successfully 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 concurrently; 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 restrictions 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. Noncredit 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 grade point average nor the grades earned are used in computing the Kent grade point average.

*Correspondence Course Credit*

Kent does not offer correspondence courses. It will accept up to six 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 spring semester. Students who complete degree requirements at other times will be provided, upon request, written verification that these requirements have been fulfilled.

*Application for Graduation*

Graduation applications, information, and deadline dates may be obtained from the Registrar's Office 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 grade point average of 3.50 or better for all undergraduate coursework at Kent State University. In order for students to be considered for graduation "With Distinction" a minimum of 32 credit hours must be completed at Kent State University and will be inscribed upon their diplomas. The students' grade point average 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*

*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 (Integrated Manufacturing)

Engineering Technology

Nursing

Physical Therapy Assisting Technology

*Associate of Technical Study—Category A*

**EAST LIVERPOOL CAMPUS**

*Associate of Arts*

*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 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*

Business Management Technology  
(most coursework)  
Computer Technology  
Office Technology

*Associate of Applied Science*

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  
Radiology Department Management  
Radiation Therapy Technology

**STARK CAMPUS***Associate of Arts**Associate of Science***TRUMBULL CAMPUS***Associate of Arts**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  
Legal Assisting Technology  
Mechanical (Integrated Manufacturing) Engineering 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**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  
Electrical/Electronic Engineering Technology  
Environmental Technology  
Mechanical (Integrated Manufacturing) Engineering  
Technology  
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 courses 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 complete a bachelor's degree program, (2) they may serve as degrees unto themselves for students who want to get a general education 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 satisfaction.

Because of the general nature of the programs, students may achieve emphases 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	12
Social Sciences	9
Basic Sciences	6
Electives	25
University Orientation (US 10001)	1
<b>TOTAL</b>	<b>65</b>

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 Liberal Education Requirements list. (See pages 76-78 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. Accounting Technology is available at the Salem Campus as a program option under Business Management Technology. Most of the courses in this program are also available at the Geauga Campus.*

I.	TECHNICAL COURSES	30
ACTT	11000, Accounting I—Financial	4
	11001, Accounting II—Managerial	4
	20010, Computerized Accounting Systems	1
	21000, Accounting III—Financial	4
	21003, Fundamentals of Tax Preparation	3
	21004, Intro. to Cost Accounting	3
BMRT	11000, Introduction to Business	3
COMT	11011, Spreadsheet Applications	1
	<b>ACTT Electives choose from:*</b>	<b>3</b>
ACTT	11003, Payroll Accounting (2)	
	20011, Spreadsheets for Accountants (2)	
	21001, Accounting IV—Financial (2)	
	21005, Budget, Profit Planning and Control (3)	
	21006, Intro. to Corporate Tax Preparation (3)	
	21092, Internship in Acct. Tech (2)	
	21095, Special Topics (1-3)	
	Technical electives** (4)	
II.	RELATED COURSES	19
MATH	11011, College Algebra	4
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
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
	General Studies electives***	7
	<i>Choose from the Liberal Education Requirements list in Undergraduate Catalog, in consultation with an academic adviser</i>	
	US 10001, University Orientation	1
	<b>TOTAL</b>	<b>66</b>

\*Students desiring to maximize credit application to a B.B.A. degree may substitute MATH 11012 or BMRT 21003 for their accounting electives.



*\*\*Technical electives must be 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.*

<b>I. TECHNICAL COURSES</b>	<b>.41</b>
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
<b>Choose one from:</b>	<b>4</b>
22032, Automatic Transmissions/Transaxles (4)	
22020, Electrical and Vacuum Systems (4)	
<b>II. RELATED COURSES</b>	<b>.14</b>
MATH 11011, College Algebra	4
BMRT 21000, Business Law and Ethics I	3
PHY 12201, Technical Physics I	3
12202, Technical Physics II	4
<b>III. GENERAL STUDIES COURSES</b>	<b>.15</b>
ENG 10001, College English I,	
20002, Technical Writing	6
COMM 15000, Theory and Practice of Oral Discourse	3
Social sciences or humanities electives	5
<i>Choose from the Liberal Education Requirements</i>	
US 10001, University Orientation	1
<b>TOTAL</b>	<b>70</b>

### 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.*

<b>I. TECHNICAL COURSES</b>	<b>.36-37</b>
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
<b>Select one option</b>	
<i>in consultation with adviser: (*Required Courses)</i>	
<b>Bank Operations</b>	
BFRT 11003, Teller Operations (2)	
* 11010 Trust Department Organization and Services (3)	
<b>Select electives from:</b>	
11011, Investments (3)	
21003, Mortgage Lending (3)	
21092, Internship in Bank/Fin. (2)	
21095, Special Topics (2-3)	
<b>Personal Financial Management</b>	
BFRT* 11010 Trust Department Organization and Services (3)	
* 11011 Investments (3)	
<b>Select one elective from:</b>	
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)	
<b>Real Estate Sales</b>	
RERT* 11000 Real Estate Princ./Practices (2)	
* 11001 Real Estate Law (2)	
* 11003 Real Estate Finance (2)	
* 21000 Real Estate Appraisal (2)	
<b>II. RELATED COURSES</b>	<b>.15</b>
BMRT 11000, Intro. to Business	3
* 11006, Business Computations I	3
21000, Business Law and Ethics	3
<b>Computer Literacy Module</b>	
<b>Select one from:</b>	<b>.3</b>
COMT 11000, Intro. to Computer Systems (3)	
11011, Spreadsheet Apps (1)	
21010, Workgroup Productivity Software (3)	
OMRT 11038, Business Spreadsheets (1)	
11039, Database Applications (1)	
21020, Intro. to Word Processing (3)	
<b>Business Communications Module</b>	
<b>Select one from:</b>	<b>.3</b>
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

US 10001, University Orientation . . . . .1

PSYC 11762, General Psychology . . . . .3

General studies electives . . . . .3

*from the Liberal Education Requirements*

**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

21011, Fundamentals of Financial Management . . . . .3

21006, Human Resources Management . . . . .3

21008, Case Studies in Mgmt. Technology . . . . .3

21009, Seminar in Management Technology . . . . .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\*21003 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)

11011, Spreadsheet Applications (1)

21010, Workgroup Productivity Software (3)

OMRT 11038, Business Spreadsheets (1)

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 Liberal Education Requirements . 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 11001, C/C++ Programming . . . . .3

11002, Visual Database Development . . . . .3

11009, Operating Systems	3
21002, Networking	4
21005, Advanced Visual Database Development	4
21010, Workgroup Productivity Software	3
<b>II. Technical Elective Courses:</b>	<b>12</b>
<b>Choose 12 Credits from:</b>	<b>12</b>
COMT 11003, Selected Languages (2-4)	
11011, Spreadsheet Applications (1)	
12000, Introduction to Computers II (3)	
21004, Advanced C/C++ Programming (3)	
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)	
<b>No more than 5 Credits from the following</b>	
COMT 11000, Introduction to Computers (3)	
ACCT 20010, Computerized Accounting Systems (1)	
20011, Spreadsheets for Accounting (2)	
EERT 22004, Digital Systems (3)	
22014, Microprocessors / Robotics (4)	
MERT 12001, Computer-Aided Drafting (4)	
22009, Robotics / Flexible Automation (3)	
OMRT 11038, Business Spreadsheets (1)	
21021, Word Processing II (3)	
21022, Desktop Publishing (3)	
CADT 22004, Computer Animation (3)	
22005, Multimedia and Virtual Reality (2)	
<b>III. RELATED COURSES</b>	<b>13-15</b>
MATH 11011, College Algebra	4
<b>Choose 3 Courses from:</b>	<b>9-11</b>
ACTT 11000, Accounting I - Financial (4)	
ACTT 11001, Accounting II - Managerial (4)	
BMRT 11000, Introduction to Business (3)	
ECON 22060, Principles of Microeconomics (3)	
ECON 22061, Principles of Macroeconomics (3)	
MATH 11012, Intuitive Calculus (3)	
<b>IV. GENERAL STUDIES COURSES</b>	<b>16</b>
ENG 10001, College English I	3
20002, Technical Writing	3
COMM 15000, Theory and Practice of Oral Discourse	3
General Studies electives:	6
<i>select from the Liberal Education Requirements list in Under-graduate Catalog</i>	
US 10001, University Orientation	1
<b>TOTAL</b>	<b>61-63</b>

\*COMT 11000 may be applied towards degree if taken prior to any other COMT offering.

\*\*May substitute ACTT 11001, ECON 22060 for improved articulation with B.B.A. in Information Systems.

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

+Prerequisites required.

## Associate of Applied Science Degree

### Computer Design and Animation Engineering Technology

This degree is available at the Tuscarawas Campus only. 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.

<b>I. TECHNICAL COURSES</b>	<b>19</b>
MERT 12000, Engineering Drawing	3
12001, Computer-Aided Drafting	4
IERT 12005, Applications in CAD	2
CADT 22000, Advanced CAD	2
22001, CAD: Architecture	2
22002, CAD: Civil Applications	2
EERT 22014, Microprocessors and Robotics	4
<b>II. SPECIALTY COURSES</b>	<b>13</b>
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
<b>III. RELATED COURSES**</b>	<b>20</b>
MATH 11011, College Algebra	4
11012, Intuitive Calculus	3
11022, Trigonometry	2
EERT 22003, Technical Computing	3
BMRT 11000, Introduction to Business	3
IERT 22006, Economic Decision Analysis	3
<b>Choose one from:</b>	<b>2</b>
22095, ST: Productivity Software (2)	
COMT 21092, Computer Practicum (2)	
<b>IV. GENERAL STUDIES COURSES</b>	<b>14</b>
ENG 10001, College English I	3
20002, Technical Writing	3
COMM 15000, Theory and Practice Oral Discourse	3
US 10001, University Orientation	1
General Studies Electives:	4

Select from the Social Sciences and Humanities lists of the Liberal Education Requirements in Undergraduate 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 students the Related Courses hours are 20-21 and the total hours are 66-67.

Associate of Arts

Criminal Justice Studies Curriculum

This curriculum is offered for students planning to pursue the Bachelor of Arts degree with a criminal justice studies major. It is available at the East Liverpool, Stark, Trumbull, and Tuscarawas Campuses.

I. MAJOR COURSES .24

CJST 12000, Intro. to Criminal Justice .3

22100, Basic Interviewing .3

22300, Police Role .3

26701, Corrections .3

26702, Criminology .3

26704, Law and Society .3

CJST electives .6

Can be completed by taking any lower-division CJST courses offered at the Regional Campuses

II. GENERAL STUDIES COURSES .41

ENG 10001, 10002, College English I, II .6

Humanities and Fine Arts .12

from the Liberal Education Requirements

Social Sciences .9

from the Liberal Education Requirements

Basic Sciences .9

at least 6 hours from the Liberal Education Requirements

Mathematics, Logic, and Foreign Languages .3-4

One course in mathematics or logic from the Liberal Education Requirements (MATH 14001, 14002 not acceptable), or one foreign language course

US 10001, University Orientation .1

General elective (may be in any field) .0-1

TOTAL 65

Associate of Applied Science Degree

Early Childhood Education Technology

This degree is offered at the Ashtabula and Salem Campuses. The coursework in this associate degree is fully applicable to the bachelor's degree in Early Childhood Education offered at the Kent Campus in the College of Education. A minimum 2.00 grade point average 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 grade point average of 2.50, qualify for selective admission, and meet other qualifying conditions which are best understood by consulting with an academic adviser.

I. TECHNICAL COURSES .41

ECED 10120, Introduction to Early Childhood .2

ECET 20000, Infant/Toddler Development and Care .3

21005, Child Guidance .3

21010, Early Childhood Curriculum I .3

21092, Integrated Practicum .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

ECED 20163, Understanding Young Children: Typical and Atypical .5

HED 20000, Health Education for Early Childhood Educators .3

II. RELATED COURSES .10

MATH 14001, Basic Math Concepts I .4

14002, Basic Math Concepts II .3

SPED 23200, Introduction to Special Education .3

III. GENERAL STUDIES COURSES .19

BSCI Basic Science Elective .3

Humanities and Fine Arts Elective .3

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

PSYC 11762, General Psychology .3

TOTAL 70

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.

<b>I. TECHNICAL COURSES</b>	<b>37</b>
EERT 12000, 12001, Electrical Fundamentals I, II	7
12010, Intro. to Electronics	3
<b>Choose one from</b>	<b>3</b>
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
<b>General Option Specialty Courses:</b>	
<b>Select 5 hours from:</b>	<b>5</b>
EERT 22006, Electrical Machines (3)	
22013, Industrial Electronics (3)	
12005, Electrical/Electronic Drawing (2)	
<b>or</b>	
IERT 12005, Applications in CAD (2)	
<b>Computer Option Specialty Courses:</b>	
EERT 22015, Robotics and Advanced Micro-Systems	3
COMT 21008, Computer Methods in Sci. and Eng	3
<b>II. RELATED COURSES</b>	<b>19</b>
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
<b>III. GENERAL STUDIES COURSES</b>	<b>14</b>

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 Liberal Education Requirements	
US 10001, University Orientation	1
<b>TOTAL</b>	<b>70</b>

\*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.

<b>I. TECHNICAL COURSES</b>	<b>34</b>
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
<b>II. RELATED COURSES</b>	<b>15</b>
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
GEOG 21062, Environmental Geology	3
<b>III. GENERAL STUDIES COURSES</b>	<b>17</b>
COMM 15000, Theory and Practice of Oral Discourse	3
ENG 10001, 10002, College English I, II	6
20002, Technical Writing	3

US	10001, University Orientation	1
MATH	11011, College Algebra	4
TOTAL		66

<i>Select from the Liberal Education Requirements list in the Undergraduate Catalog</i>	
TOTAL	68

Associate of Applied Science

Environmental Technology Curriculum

*This degree is offered only at the Ashtabula, Tuscarawas, and Trumbull 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 science courses, and appropriate liberal education courses. It is recommended that students interested in articulating to a four-year program see an adviser for proper guidance.*

I.	TECHNICAL COURSES	34
ENVT	10001, Introduction to Environmental Technology	3
	10004, Toxicology	3
ENVT	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
COMT	11000, Introduction to Computers	3
	Select two courses from the following list	6
	in consultation with an adviser.	
CJST	22301, The Investigative Process (3)	
ENVT	20006, Fire Prevention and Control (3)	
	20020, Hazardous Waste Operations and Emergency Response (3)	
	22095, Special Topics in Environmental Technology (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
MATH	11011, College Algebra	4
POL	20224, State and Local Government	3
US	10001, University Orientation	1
	General Studies Elective	3

Associate of Applied Science

Horticulture Technology Curriculum

*This degree is offered at the Salem Campus. Students 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 Liberal Education Requirements	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 graduation are in the student handbook for this program. A copy of the handbook may be obtained from the program director.*

<b>I. TECHNICAL COURSES</b>	<b>33</b>
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
<i>Choose from: HED 22530, 22544, SOC 22400, 22570, COMT 11000, OMRT 11030, 11080</i>	
<b>II. RELATED COURSES</b>	<b>17</b>
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
<b>III. GENERAL STUDIES COURSES</b>	<b>16</b>
COMM 15000, Theory and Practice of Oral Discourse	3
ENG 10001, College English I	3
20002, Technical Writing	3
Electives	6
<i>from the Social Sciences and Humanities lists of the Liberal Education Requirements</i>	

US 10001, University Orientation	1
<b>TOTAL</b>	<b>66</b>

## 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).*

<b>I. TECHNICAL COURSES</b>	<b>34-36</b>
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**	10-12
<b>Choose one from:</b>	<b>3</b>
<i>The Office Management component of the LEGT Program should include a choice of one (1) among the following courses</i>	
OMRT 21020, Introductory Word Processing (3)	
21010, Office Management (3)	
21038, Business Comm. (3)	
ENG 20002, Technical Writing (3)	
<b>II. RELATED COURSES</b>	<b>13</b>
ACTT 11000, Accounting I - Financial	4
BMRT 11000, Intro. to Business	3
11006, Business Computations I*	3
COMT 11000, Intro. to Computer Systems	3
<b>III. GENERAL STUDIES COURSES</b>	<b>16</b>
COMM 15000, Theory and Practice of Oral Discourse	3
ENG 10001, College English I	3
US 10001, University Orientation	1
Electives***	9
<b>TOTAL</b>	<b>66-68</b>

\*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 only 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 (PLC's), 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	38-39
	<i>Engineering Technology Core:</i>	
EERT	22000, Electricity/Electronics with Applications	3
	22002, Industrial Controls	3
IERT	12005, Applications in Computer-Aided Design	2
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
	14001, Geometric Dimensioning and Tolerancing	3
	21001, Standard Design Practice for Manufacturing	3
	<i>Select one option:</i>	9-10
	<i>Industrial Automation Option Specialty Courses:</i>	
EERT	22013, Industrial Electronics (3)	
	22014, Microprocessors and Robotics (4)	
MFGT	22014, Advanced Industrial Electronics (3)	
	<i>Automated Machining Option Specialty Courses:</i>	
MFGT	13001, Computer Numerical Control Programming (3)	
	23001, Computer Aided Manufacturing I (3)	
	23002, Computer Aided Manufacturing II (3)	
II.	RELATED COURSES	20
EERT	22003, Technical Computing	3
IERT	22000, Statistical Process Control	4
MATH	11011, College Algebra	4
	11022, Trigonometry	2
PHY	12001, Technical Physics I	3
	12002, Technical Physics II	4
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
	Liberal Education Requirements	4
	<b>TOTAL</b>	<b>72-73</b>

Associate of Applied Science

Mechanical Engineering Technology

*(Integrated Manufacturing)*

*This degree is designed to cover 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 Campus (see also Systems Engineering Technology). The Polymer Option is available only at the Ashtabula Campus.*

I.	TECHNICAL COURSES	39
	<i>Engineering Technology Core:</i>	
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
	<i>General Option Specialty Courses:</i>	
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
	<i>Choose from the Liberal Education Requirements</i>	
	<b>TOTAL</b>	<b>72</b>

\*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 only at the Ashtabula Campus.

## 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 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).

<b>I. NURSING COURSES*</b>	<b>38</b>
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
<b>II. RELATED COURSES</b>	<b>16</b>
BSCI 20020, Biol. Structure and Function**	5
20021, Basic Microbiology**	3
<b>Choose either</b>	<b>5</b>
CHEM 10054, Gen. and Elem. Organic Chemistry (5)	
<b>or</b>	
10050, General Chemistry (3)	
10052, Organic Chemistry (2)	
FCS** 33512, Nutrition	3
<b>III. GENERAL STUDIES COURSES</b>	<b>16</b>
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
<b>TOTAL</b>	<b>70</b>

\*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 in order to progress in the nursing program.

\*\*A grade of "C" or better in BSCI 20020, BSCI 20021, and FCS 33512 must be obtained.

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

The Associate 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 Occu-

pational 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 any, recommended coursework. Application deadline is January 15th. 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
	<i>Note: Clinical education must be successfully completed within 18 months of the didactic coursework.</i>	
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
	<b>TOTAL</b>	<b>67</b>

\*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	.27
OMRT	11035, Business Calculators	1
	11036, Records Management	3
	11038, Business Spreadsheets	1
	10039, Database Applications	1
	21010, Office Management	3
	21019, Integrated Office Software	2
	21020, Word Processing I	3
	21021, Word Processing II	3
	21025, Visual Presentations	1
	21033, Keyboarding II	3
	21035, Administrative Office Procedures	3
	21040, Seminar in Office Technology	3
II.	TECHNICAL ELECTIVES	.6
	<i>Select two courses from:</i>	<i>6</i>
	<i>In consultation with an adviser</i>	
OMRT	11030, Keyboarding I (3)	
	11032, Rapid Writing (3)	
	<i>or</i>	
	21013, Machine Transcription (3)	
	21022, Desktop Publishing (3)	
III.	RELATED COURSES	.16-18
ACTT	11000, Accounting I - Financial	4
BMRT	11006, **Business Computations I	3
COMT	11011, Spreadsheet Applications	1
OMRT	21038, Business Communications	3
	<i>Select two from:</i>	<i>5-7</i>
ACTT	11001, Accounting II - Managerial (4)	

	11003, Payroll Accounting (2)	
BMRT	11000, Introduction to Business (3)	
	21000, Business Law and Ethics I (3)	
COMT	11000, Introduction to Computers (3)	
<b>IV. GENERAL STUDIES COURSES</b>		<b>16</b>
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
	General Studies Electives:	6
	<i>Select from Liberal Education Requirements list in Undergraduate Catalog. (PSYC 11762 and SOC 12050 recommended)</i>	
	<b>TOTAL</b>	<b>65-67</b>

*\*\*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 East Liverpool and Ashtabula Campuses. With the successful completion of the program, graduates are awarded the Associate of Applied Science degree as 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.*

<b>I. TECHNICAL COURSES</b>		<b>37</b>
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
<b>II. RELATED COURSES</b>		<b>17</b>
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
<b>III. GENERAL STUDIES COURSES</b>		<b>16</b>
ENG	10001, 10002, College English I, II	6
PSYC	11762, General Psychology	3
SOC	12050, Sociology	3
	Select an elective from the Liberal Education Requirements*	3
US	10001, University Orientation	1
	<b>TOTAL</b>	<b>70</b>

*\*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 in order 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

##### 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 examination 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 February 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, satisfactory progress, and graduation are in the student handbook for this program. A copy of the handbook may be obtained from the program director.*

<b>I. TECHNICAL COURSES</b>		<b>35</b>
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

COMM 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
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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 Technology 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

*\*A&S 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 in Radiology Department Management.*

*Thirty-two (32) 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

ECON 22060 and 22061

PSYC 11762 and 21211

MATH 11011 and 11012

BSCI 10001 and 10002

TOTAL	68-69
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*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.*

<b>I. TECHNICAL COURSES</b>	<b>37</b>
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
<b>Choose 10 hours:</b>	<b>10</b>
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)	
<b>II. RELATED COURSES</b>	<b>19</b>
EERT 22003, Technical Computing	3
MATH* 11011, College Algebra	4
11012, Intuitive Calculus	3
11022, Trigonometry	2
PHY 12201, 12002, Technical Physics I, II	7
<b>III. GENERAL STUDIES COURSES</b>	<b>14</b>
COMM 15000, Theory and Practice of Oral Discourse	3
ENG 10001, College English I	3
20002, Technical Writing	3
Social Sciences or Humanities electives from the Liberal Education Requirements	4
US 10001, University Orientation	1
<b>TOTAL</b>	<b>70</b>

\*Tuscarawas students must take MATH 11011, 11022, 19002 (10 hours) or MATH 12000, 12001 (9 hours). For Tuscarawas stu-

dents 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 technical fields. 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 65 semester hours of coursework, including Orientation. At least 30 hours are made up of "technical core" courses that offer education central to students' career goals. At least 15 hours must consist of basic courses which provide background to the technical core, and at least 15 hours must be selected from the Liberal Education Requirements on pages 76-78. The degree program should not exceed 73 hours.*

*Degree programs must be approved by the faculty adviser, the campus dean, the director of Two-year Technical Programs, 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 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 332 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
	<i>Select from Liberal Education Requirements list in the Undergraduate Catalog, in consultation with an academic adviser.</i>	
	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.*



## I 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, ASTU 10102, and ASTU 10103 laboratory; sophomores may register for ASTU 20101, ASTU 20102, and ASTU 20103 laboratory. The courses include 1 hour of academic instruction and a one-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 \$150.00, 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 \$1,000.00 per semester cash scholarships, plus \$150.00 per month, tax free. This award is limited to four total semesters (\$4,000.00) 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 (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 commis-

sions 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 accumulative grade point average, 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. Students selected for the POC are enlisted as members of the Air Force Reserves and are provided tax-free grants of \$150.00 per month.

There are two AFROTC Alternative 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 six-week field training course which 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.

Students who have received national direct student loans or Nursing Student Loans while at Kent may defer repayment of their loans for up to three years after entering active military duty.

#### *AFROTC Admission Requirements*

For admission requirements and further information consult the AFROTC Office, 117 Wills Hall, (330) 672-2182.

### **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 United States Army. Army ROTC falls under the Military Science course heading and offers a 2-4 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 towards 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. Freshman 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 thirty-five-day summer practicum allows students to put into practice all their learned skills while being constantly evaluated on their leadership skills.

### **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 \$9k, \$150 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's Army ROTC program has ten 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 15 November in the students' senior year in high school. Those who are interested may contact our office, their local guidance counselor, or call 1-800-USA-ROTC for an application. All scholarships are awarded based on merit rather than need and on-campus scholarships are on a first come basis. All academic majors are eligible to apply.

#### *University Incentives*

For students interested in participating or currently enrolled, Kent State University has given our program sixteen 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. 60 percent tuition, GI Bill with over \$2K, up to \$10K in student loan repayment, and annual part time pay with over \$2800) and \$150 per month for ROTC. All students currently participating in a National Guard or Reserve program while attending Kent State University need to 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 thirty-five-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 twenty-five branches with literally hundreds of job descriptions for newly commissioned officers. Areas such as Military police, Military Intelligence, Finance, Nursing, etc. offer the new officer a variety of career options. A Second Lieutenant going on active duty (as of 1998) starts out at more than \$30K and exceeds \$50 K within four years of service. Additional benefits include: a twenty-year retirement, thirty days paid vacation, 100 percent medical and dental coverage, and \$200K worth of life insurance. A commission into a reserve component brings earnings ranging from \$4K and \$5K annually for only thirty-nine 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.

We have 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 compete 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 our program. There are several dedicated nursing scholarships available, and recipients are guaranteed a nursing position after graduation.
- US Army Specialty slots to Airborne School, Air Assault School, Northern Warfare School, Survival Training, and others are available annually to enrolled student-cadets.
- There are no textbook or uniform costs for the Army ROTC program. All materials needed for our course are provided by the Military Science Department.
- 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.
- All Military Science students are assigned a sponsor in their freshman and sophomore years to help them adjust to the rigorous demands of college life.

#### *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. We are located in 109 Wills Hall on the University's Kent Campus and can be reached by telephone at (330) 672-2769/2152.

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#### **SERVICEMEMBERS OPPORTUNITY COLLEGES**

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*Kent State University is a member of Service-members Opportunity Colleges, a consortium of over 1300 institutions pledged to be reasonable in working with servicemembers and veterans trying to earn degrees even while pursuing 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 fifteen national higher education associations with the military services, the National Guard bureau, and the Office of the Secretary of Defense serving as cooperating agencies.*





## I 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 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 Program form which includes:
    1. Listing the courses at the undergraduate level which 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 students' undergraduate department will determine the undergraduate coursework for which graduate credits may be substituted.) In some departments graduate coursework may be substituted only for elective undergraduate coursework and cannot be used as substitution within the major (please check with the graduate coordinator in your individual department.) The selection of the graduate coursework and the number of credits to be applied toward an undergraduate degree requires the approval of the graduate 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' achievements and intended academic goals.
  - D. Submitting any needed test scores from standardized examinations.
- II. Combined Baccalaureate/Master's Program for Specified Professional Programs
  - A. Combined Baccalaureate/Master's Degree Program in Speech Pathology and Audiology Leading to Clinical Certification

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 recommendation, and completion of the Application for Admission and Combined Baccalaureate and Master's Program 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 satisfactory portfolio review, three letters of recommendation, and completion of the Application for Admission and Combined Baccalaureate and Master's Program forms. Students 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 program 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 program.
- C. Combined Baccalaureate/Master's Program in the College of Business Administration  
Students must have earned 90 semester hours in order to apply for the Combined Baccalaureate/Master's Program in the College 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 Graduate 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 grade point average 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 which are applicable to the undergraduate 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. The Combined Bachelor of Science/Master of Arts Degrees in Visual Communication Design

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; a minimum 3.00 overall grade point average; and a 3.25 in the major, will be invited or may petition to enter this program. An overall grade point average of 3.00 and a major grade point average 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

## I 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 the Division of Lifelong Learning, Evening and Weekend programs, 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 twenty-five undergraduate degrees.

Majors offered in the evening and weekend include: Accounting, Advertising, Business Management, Computer Information Systems, Computer Science (applied math), Criminal Justice Studies, Economics, English, Finance, General Studies, Gerontology, History, Hospitality Food Service Management, Human Resource Management, 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.

### LIFELONG LEARNING

The Division of Lifelong Learning administers both credit and non-credit 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.

In cooperation with other academic and service units at the University, the Division of Lifelong Learning offers credit workshops, conferences, noncredit customized courses, and seminars for professionals in business, education, health care, and other fields.

In addition, the division presents summer youth programs for pre-schoolers through teens, providing learning in a university setting with quality instruction. Courses include foreign languages, rock-etry, dancing, art experiences, physical activities, and sports. The division also cosponsors a variety of programs for special target populations, which are offered during the summer and academic year. Elderhostel and the English as a Second Language Institutes are among these special activities.

### 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 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 [Judy@ccs.kent.edu](mailto:Judy@ccs.kent.edu).

