

Associate of Science Degree Requirements (9100)

The associate of science (AS) degree program is normally pursued by students intending to transfer to a senior institution for the completion of a bachelor of science degree. Typical areas of study may include engineering, mathematics, physics, biology, chemistry, computer science, or pre-medicine. Students who complete this degree will also satisfy all requirements for the State of Ohio Transfer Module. See page 46-47 for "Transfer Guidelines."

of 64 semester credits with a 2.0 minimum grade point average (GPA). Students must have been enrolled in and earned at least 20 semester credits at Lakeland Community College and must have been enrolled during the term in which they completed the degree program. Courses below the 1000 level are not applicable to degree requirements, e.g., ENGL 0111, MATH 0750, etc.

Students must earn the 64 semester credits as listed below:

The associate of science degree (AS) requires successful completion

AREA	MINIMUM CREDITS	REQUIREMENTS
<i>(NOTE: The minimum number of credits required is shown for each area. Students may apply credits in excess of these minimums to the General Electives area.)</i>		
Communications	9	<p>Students must successfully complete ENGLISH: ENGL 1110 OR ENGL 1111, and ENGL 1120 OR ENGL 1121 AND SPEECH: SPCH 1000 OR SPCH 1100 (NOTE: Placement into the appropriate English course is required. See pages 12 and 20.)</p>
Arts and Humanities	9	<p>Students must successfully complete at least THREE courses.</p> <p>Students must complete at least 6 credits from within the following GROUP I list of courses. These credits must be earned from at least TWO discipline areas within the list.</p> <p>Group I: ART: ARTS 1120, 2220, 2230 HUMANITIES: HUMX 1100, 1200, 1300 LITERATURE: ENGL 2210, 2220, 2230, 2235, 2240, 2245, 2248, 2250, 2260, 2263, 2270, 2275, 2280, 2290, 2296 MUSIC: MUSC 1200, 1210, 1800, 2200, 2250 PHILOSOPHY: PHIL 1300, 1500, 2000, 2600, 2700 PHOTOGRAPHY: PHOT 1000</p> <p>Students must complete the remaining credits needed to meet the Arts and Humanities requirement from the previous GROUP I list and/or the following GROUP II list of courses:</p> <p>Group II: (NOTE: Group II courses are not in the Transfer Module.) AMERICAN SIGN LANGUAGE: ASLI 1100, 1200, 1700, 1800, 1830, 1850, 2800, 2850 CHINESE: CHIN 1001, 1002 FRENCH: FREN 1001, 1002, 2001, 2002 GERMAN: GERM 1001, 1002, 2001, 2002 HUMANITIES: HUMX 1400 INTERDISCIPLINARY STUDIES: IDST 2400 ITALIAN: ITAL 1001, 1002, 2001, 2002 LINGUISTICS: LING 1500 LITERATURE: ENGL 2215, 2261 PHILOSOPHY: PHIL 2800 SLOVENIAN: SLOV 1001, 1002 SPANISH: SPAN 1001, 1002, 2001, 2002 THEATRE: THEA 1050</p>
Social and Behavioral Sciences	10	<p>Students must successfully complete at least FOUR courses.</p> <p>Students must complete at least 6 credits from within the following GROUP I list of courses. These credits must be earned from at least ONE Behavioral Sciences course and at least ONE Macro-Social Sciences course:</p> <p>Group I: Behavioral Sciences: ANTHROPOLOGY: ANTH 1160 PSYCHOLOGY: PSYC 1400, 1500, 1700, 2200, 2300, 2400, 2500, 2600, 2700, 2800 SOCIOLOGY: SOCY 1150, 1170, 1180, 1190, 2000, 2250, 2270</p>

Macro-Social Sciences:

ECONOMICS: ECON 1150, 2500, 2600

GEOGRAPHY: GEOG 1500, 1600, 2000, 2500

HISTORY: HIST 1100, 1200, 1600, 2100, 2200, 2400, 2450, 2700

POLITICAL SCIENCE: POLS 1300, 2100, 2200, 2400, 2500

URBAN STUDIES: URST 2000

Students must complete the remaining credits needed to meet the Social and Behavioral Sciences requirement from the previous GROUP I list and/or the following GROUP II list of courses:

Group II: (NOTE: Group II courses are not in the Transfer Module.)

AMERICAN SIGN LANGUAGE: ASLI 1500, 1600

ECONOMICS: ECON 2700

GEOGRAPHY: GEOG 1800

HISTORY: HIST 1300, 1400, 1500, 2600, 2750

INTERDISCIPLINARY STUDIES: IDST 1200

POLITICAL SCIENCE: POLS 2300

PSYCHOLOGY: PSYC 1800, 2350

URBAN STUDIES: URST 2100

**Health and
Physical Education**

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Students must successfully complete

PEHR 1200 **OR**

PEHR 1650 **OR**

PEHR 1500 and any one activity course (PEHR 1101 through PEHR 1124 or DANC 1108 through DANC 1650) **OR**

PEHR 1750 and any one activity course (PEHR 1101 through PEHR 1124 or DANC 1108 through DANC 1650).

**Mathematics and
Natural Sciences**

20

Mathematics:

Students must successfully complete at least ONE course chosen from the following:

MATH 1650, 1700, 1890, 2350, 2450, 2500, 2600, 2700, 2850

(NOTE: Placement in the appropriate Mathematics course is required. See page 12.)

(NOTE: MATH 2500, MATH 2600 and/or MATH 2700 are recommended for Physics, Chemistry and Engineering majors.)

Natural Sciences:

Students must successfully complete at least ONE sequence of courses within a discipline area chosen from the following:

BIOLOGY: (BIOL 1510 and BIOL 1520) **OR** (BIOL 2210 and BIOL 2220) **OR**

CHEMISTRY: (CHEM 1500 and CHEM 1600) **OR**

PHYSICS: (PHYS 1610 and PHYS 1620) **OR** (PHYS 2410 and PHYS 2420)

(NOTE: BIOL 1510 and BIOL 1520 are recommended for Biology majors.)

(NOTE: PHYS 2410 and PHYS 2420 are recommended for Physics, Chemistry, or Engineering majors.)

Electives:

Students must select the remaining Mathematics and Natural Science courses from the following:

MATHEMATICS: MATH 1550, 1650, 1700, 1890, 2350, 2450, 2500, 2600, 2700, 2800, 2850

BIOLOGY: BIOL 1140, 1150, 1160, 1170, 1190, 1510, 1520, 2210, 2220, 2700

CHEMISTRY: CHEM 1050, 1100, 1150, 1500, 1600, 2000, 2500, 2600

GEOLOGY: GEOL 1100, 1200

PHYSICS: PHYS 1500, 1550, (PHYS 1610 or PHYS 2410), (PHYS 1620 or PHYS 2420)

PHYSICAL SCIENCE: PSCI 1100, 1300, 1400

(NOTE: Students who have completed the BIOL 1510 and BIOL 1520 sequence and wish to fulfill their natural science requirement with additional biology courses should select from the following courses: BIOL 1170, 2210, 2220, 2700.)

Computers/Technology

3

Students must successfully complete

ITIS 1005 **OR**

ITIS 1000 and MECT 1050 **OR**

ENGR 1000 and MECT 1050.

General Electives

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Students should consult with a counselor to select electives which will support their educational objectives.

**Total
Minimum Credits**

64

Associate of Science Degree Planning Guide

The planning guide below is provided to assist students in planning a program of study. Students are encouraged to consult with a college counselor about their education goals to assure that their programs of study not only satisfy Lakeland's requirements but also the transfer requirements of the baccalaureate programs to which they aspire. Students should also refer to pages 42 and 43 to determine which courses will fulfill the Associate of Science degree requirements at Lakeland.

First Semester:

- ENGL 1110* English Composition I (A)3**
 - OR**
 - ENGL 1111 English Composition I (B)**
 - SPCH 1000 Effective Public Speaking3**
 - OR**
 - SPCH 1100 Effective Interpersonal Communications**
 - *Choose course from Mathematics list on page 43.3-5
 - *Choose course from the Natural Sciences required sequence list on page 43.3-5
 - Choose course from Computers/Technology required sequence list on page 43.3
- **16-19**

Second Semester:

- ENGL 1120 English Composition II3**
 - OR**
 - ENGL 1121 English Composition II - Technical Focus**
 - Choose course from the Arts and Humanities Electives list on page 42.3
 - Choose course from the Social and Behavioral Sciences Electives list on pages 42-43.3
 - *Choose course from the Natural Sciences required sequence list on page 43.4-5
 - *Choose course(s) from the Mathematics, Natural Sciences, or General Electives lists on page 43.3-5
- **16-19**

Third Semester:

- Choose course from the Arts and Humanities Electives list on page 42.3
 - Choose courses from the Social and Behavioral Sciences Electives list on pages 42-436
 - Choose course from Health and Physical Education Electives list on page 43.2
 - *Choose course(s) from the Mathematics, Natural Sciences, or General Electives lists on page 43.5-6
- **16-17**

Fourth Semester:

- Choose course from the Arts and Humanities Electives list on pages 42.3
 - Choose course from the Social and Behavioral Sciences Electives list on pages 42-43.3
 - *Choose course(s) from the Mathematics, Natural Sciences, or General Electives lists on page 43.7-12
- *
13-18

Program Total: 64

* Students must complete 20 credit hours of Mathematics and Natural Sciences as specified on page 43 of the college catalog. Students must complete an additional 11 credit hours of General Electives in Mathematics, Natural Sciences, or other disciplines of their choosing. Two credits of the Social and Behavioral Sciences' requirement can be used toward these 11 credit hours of approved electives.