

ASSOCIATE OF SCIENCE

The Associate of Science degree program provides students with a broad academic education to prepare them for the workplace and for upper-level university study. The degree requirements for the Associate of Science may be met through LCCC's university transfer courses or by taking university transfer courses at other recognized colleges and/or universities. Since requirements at transfer institutions vary widely, students should consult the catalog of the transfer institution and plan their program with an advisor.

Other programs can be pursued, as advisors can help students customize their Associate of Science programs to meet the transfer college/university's requirements for math and/or science-related majors. Select from the general education/Ohio Transfer 36.

- **English composition** Six ENGL (College Composition) credit hours.
- **Social and behavioral sciences** Six credit hours, representing two different disciplines.
- **Arts and humanities** Six credit hours, representing two different disciplines.
- **Mathematics/statistics/logic and natural sciences** Three credit hours in mathematics or logic and six credit hours in science, of which one course must be a lab science (lab courses identified with footnote¹); and, two year-long sequences (do not have to be in the same discipline) selected from those listed below.
These sequences may be part of the science and mathematics requirements or may be taken as additional coursework.

Completion of the below requirements (excluding SDEV 101) may exceed the 40 credit hours required to complete the associate of science degree requirements; otherwise, the student must select from the above list (excluding SDEV 101) additional courses to complete a total of 36-40 credit hours. LCCC students must complete a minimum of 60 credit hours to complete the associate of science degree. Therefore, a student may earn the associate of science degree by completing the above requirements, SDEV 101 for one credit hour, and additional elective hours from these or any other courses. Completion of these requirements includes the Ohio Transfer 36. Choices within these ranges will require careful academic planning and advice. Students should seek assistance from an advisor before proceeding.

Code	Title	Hours
UNIVERSAL GRADUATION REQUIREMENT		
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY	1
ENGLISH COMPOSITION		
ENGL 161	COLLEGE COMPOSITION I	3
Select one of the following ENGL courses:		3
ENGL 162	COLLEGE COMPOSITION II (OR)	
ENGL 164	COLLEGE COMPOSITION II WITH TECHNICAL TOPICS	
ORAL COMMUNICATION		
Oral Communication is not required but may be used as an elective to fulfill the Associate of Science Degree		
CMMC 151	ORAL COMMUNICATION	
SOCIAL AND BEHAVIORAL SCIENCES		

Select six semester hours, representing two different disciplines from the following:		6
ARCH 155G	INTRODUCTION TO ARCHAEOLOGY	
ECNM 151	PRINCIPLES OF MACROECONOMICS	
ECNM 152	PRINCIPLES OF MICROECONOMICS	
GPHY 151G	HUMAN GEOGRAPHY	
GPHY 152	GEOGRAPHY OF UNITED STATES/CANADA	
HSTR 151G	CIVILIZATION I	
HSTR 152G	CIVILIZATION II	
HSTR 161	UNITED STATES I	
HSTR 162	UNITED STATES II	
HSTR 171G	THE WORLD SINCE 1900	
HSTR 252G	WOMEN IN WORLD HISTORY	
HSTR 260G	HISTORY OF AMERICAN TECHNOLOGY	
HSTR 267G	AFRICAN AMERICAN HERITAGE	
PLSC 151G	COMPARATIVE POLITICS	
PLSC 155	STATE AND LOCAL GOVERNMENT	
PLSC 156	AMERICAN NATIONAL GOVERNMENT	
PLSC 157G	CONTEMPORARY WORLD PROBLEMS	
PSYH 151	INTRODUCTION TO PSYCHOLOGY	
PSYH 251	HUMAN GROWTH AND DEVELOPMENT	
PSYH 253	CHILD DEVELOPMENT	
PSYH 254	ADOLESCENT DEVELOPMENT	
PSYH 256	ADULTHOOD AND AGING	
PSYH 257	ABNORMAL PSYCHOLOGY	
PSYH 261	SOCIAL PSYCHOLOGY	
PSYH 263	PERSONALITY THEORIES	
PSYH 273	INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY	
PSYH 274	PSYCHOLOGY OF ADJUSTMENT	
PSYH 275	PSYCHOLOGY OF GENDER	
SOCY 151G	INTRODUCTION TO SOCIOLOGY	
SOCY 161G	INTRODUCTION TO CULTURAL ANTHROPOLOGY	
SOCY 255G	THE FAMILY	
SOCY 256	SOCIAL PROBLEMS	
SOCY 266G	DEATH AND DYING	
SOCY 276G	RACE AND ETHNICITY	
SOCY 278	SOCIOLOGY OF SEX & GENDER	
URBS 151G	INTRODUCTION TO URBAN STUDIES	
WMST 210	INTRODUCTION TO WOMEN'S STUDIES	

ARTS AND HUMANITIES

Select six semester hours, representing two different disciplines from the following:		6
ARTS 243G	ART HISTORY I	
ARTS 244G	ART HISTORY II	
ARTS 245G	WORLD ART	
ARTS 246	HISTORY OF PHOTOGRAPHY	
ARTS 254	HISTORY OF AMERICAN ARCHITECTURE	
DANC 251	HISTORY OF DANCE	
ENGL 250	INTRODUCTION TO LITERATURE	
ENGL 251	AMERICAN LITERATURE I	
ENGL 252	AMERICAN LITERATURE II	

ENGL 253G	INTRODUCTION TO WORLD LITERATURE
ENGL 254G	INTRODUCTION TO HISPANIC LITERATURE
ENGL 255G	INTRODUCTION TO FICTION
ENGL 256	SCIENCE FICTION, FANTASY, AND OTHER SPECULATIVE LITERATURE
ENGL 257G	INTRODUCTION TO POETRY
ENGL 258	GRAPHIC NOVELS AND NARRATIVES
ENGL 259G	INTRODUCTION TO DRAMA
ENGL 261G	MASTERPIECES OF BRITISH LITERATURE I
ENGL 262G	MASTERPIECES OF BRITISH LITERATURE II
ENGL 264	WOMEN'S LITERATURE
ENGL 266G	AFRICAN AMERICAN LITERATURE
ENGL 267G	CHILDREN'S LITERATURE
ENGL 268G	MULTICULTURAL LITERATURE
ENGL 269G	INTRODUCTION TO SHAKESPEARE
HUMS 151G	INTRODUCTION TO HUMANITIES
HUMS 263	INTRODUCTION TO FOLKLORE
HUMS 264G	INTRODUCTION TO ASIAN CULTURES AND LITERATURES
HUMS 271G	INTRODUCTION TO MYTHOLOGY
HUMS 272	PATHWAYS IN ARTS AND HUMANITIES
HUMS 274	FILM APPRECIATION
HUMS 281	INTRODUCTION TO AMERICAN CINEMA
MUSC 251G	MUSIC HISTORY I
MUSC 252G	MUSIC HISTORY II
MUSC 261G	MUSIC APPRECIATION
MUSC 262G	MUSIC AS A WORLD PHENOMENON
MUSC 263	HISTORY OF ROCK AND ROLL
PHLY 151G	INTRODUCTION TO PHILOSOPHY
PHLY 161	INTRODUCTION TO ETHICS
PHLY 165	BIOETHICS
PHLY 174	CRITICAL THINKING
PHLY 262G	INTRODUCTION TO EASTERN PHILOSOPHY
PHLY 270G	RELIGION AND SCIENCE
PHLY 271G	SOCIAL AND POLITICAL PHILOSOPHY
PHLY 281G	PHILOSOPHY OF RELIGION
RELG 181G	INTRODUCTION TO WORLD RELIGIONS
RELG 182G	INTRODUCTION TO THE STUDY OF RELIGION
RELG 251G	EXPLORING THE BIBLE
RELG 261	RELIGION IN AMERICA
RELG 262G	INTRODUCTION TO EASTERN PHILOSOPHY
RELG 270G	RELIGION AND SCIENCE
RELG 281G	PHILOSOPHY OF RELIGION
THTR 151G	INTRODUCTION TO THEATER
THTR 185G	THEATER HISTORY

MATHEMATICS/STATISTICS/LOGIC AND NATURAL SCIENCES

Select three semester hours in mathematics or logic and six semester hours in science (of which one course must include a lab science) from the following:

ASTY 151	STARS, GALAXIES AND COSMOLOGY ¹
ASTY 152	SOLAR SYSTEM ASTRONOMY
BIOG 150	INFECTIOUS DISEASE A TO Z
BIOG 151	GENERAL BIOLOGY ¹
BIOG 152	HUMAN BIOLOGY ¹
BIOG 161	PRINCIPLES OF BIOLOGY I ¹
BIOG 162	PRINCIPLES OF BIOLOGY II ¹
BIOG 164	EXPLORATIONS IN FIELD SCIENCE ¹
BIOG 165	INTRODUCTION TO ECOLOGY
BIOG 221	ANATOMY & PHYSIOLOGY I ¹
BIOG 222	ANATOMY AND PHYSIOLOGY II ¹
BIOG 251	GENERAL MICROBIOLOGY ¹
BIOG 252	MICROBIOLOGY ¹
BIOG 261	BOTANY ¹
BIOG 275	GENETICS
CHMY 155G	CHEMISTRY AND SOCIETY
CHMY 161	GENERAL, ORGANIC AND BIOCHEMISTRY I ¹
CHMY 162	GENERAL, ORGANIC AND BIOCHEMISTRY II ¹
CHMY 171	GENERAL CHEMISTRY I ¹
CHMY 172	GENERAL CHEMISTRY II ¹
CHMY 271	ORGANIC CHEMISTRY I ¹
CHMY 272	ORGANIC CHEMISTRY II ¹
DATA 110	INTRODUCTION TO DATA ANALYTICS
MTHM 155	TECHNICAL MATHEMATICS I
MTHM 156	TECHNICAL MATHEMATICS II
MTHM 158	QUANTITATIVE REASONING
MTHM 163	MATHEMATICS FOR ELEMENTARY TEACHERS I
MTHM 164	MATHEMATICS FOR ELEMENTARY TEACHERS II
MTHM 168	STATISTICS
MTHM 171	COLLEGE ALGEBRA
MTHM 174	TRIGONOMETRY
MTHM 176	PRECALCULUS
MTHM 178	BUSINESS CALCULUS
MTHM 181	CALCULUS I
MTHM 182	CALCULUS II
MTHM 270	DISCRETE MATHEMATICS
MTHM 280	LINEAR ALGEBRA
MTHM 281	MULTIVARIABLE CALCULUS
MTHM 283	DIFFERENTIAL EQUATIONS
PHLY 171	INTRODUCTION TO LOGIC
PHYC 150	GENERAL PHYSICS I ¹
PHYC 152	GENERAL PHYSICS II ¹
PHYC 251	COLLEGE PHYSICS I ¹
PHYC 252	COLLEGE PHYSICS II ¹
PSSC 153	PHYSICAL SCIENCE ¹
PSSC 156	PHYSICAL GEOLOGY ¹
PSSC 157	HISTORICAL GEOLOGY ¹
PSSC 158G	METEOROLOGY ¹
PSSC 159G	OCEAN STUDIES

PSSC 161G EARTH SCIENCE

Select two year-long sequences (do not have to be in the same discipline) from the following. These sequences may be part of the mathematics and science requirements or may be taken as additional coursework.

BIOG 151 GENERAL BIOLOGY
& BIOG 152 and HUMAN BIOLOGY

BIOG 161 PRINCIPLES OF BIOLOGY I
& BIOG 162 and PRINCIPLES OF BIOLOGY II

BIOG 165 INTRODUCTION TO ECOLOGY
& BIOG 164 and EXPLORATIONS IN FIELD SCIENCE

BIOG 165 INTRODUCTION TO ECOLOGY
& PSSC 156 and PHYSICAL GEOLOGY

BIOG 165 INTRODUCTION TO ECOLOGY
& PSSC 158G and METEOROLOGY

BIOG 221 ANATOMY & PHYSIOLOGY I
& BIOG 222 and ANATOMY AND PHYSIOLOGY II

CHMY 161 GENERAL, ORGANIC AND BIOCHEMISTRY
& CHMY 162 I
and GENERAL, ORGANIC AND
BIOCHEMISTRY II

CHMY 161 GENERAL, ORGANIC AND BIOCHEMISTRY
& BIOG 251 I
and GENERAL MICROBIOLOGY

CHMY 171 GENERAL CHEMISTRY I
& CHMY 172 and GENERAL CHEMISTRY II

CHMY 271 ORGANIC CHEMISTRY I
& CHMY 272 and ORGANIC CHEMISTRY II

MTHM 181 CALCULUS I
& MTHM 182 and CALCULUS II

MTHM 270 DISCRETE MATHEMATICS
& MTHM 280 and LINEAR ALGEBRA

MTHM 280 LINEAR ALGEBRA
& MTHM 281 and MULTIVARIABLE CALCULUS

MTHM 280 LINEAR ALGEBRA
& MTHM 283 and DIFFERENTIAL EQUATIONS

MTHM 281 MULTIVARIABLE CALCULUS
& MTHM 283 and DIFFERENTIAL EQUATIONS

PHYC 150 GENERAL PHYSICS I
& PHYC 152 and GENERAL PHYSICS II

PHYC 251 COLLEGE PHYSICS I
& PHYC 252 and COLLEGE PHYSICS II

PSSC 156 PHYSICAL GEOLOGY
& PSSC 157 and HISTORICAL GEOLOGY

OR a customized sequence approved by the Science and Mathematics division.

Total Hours

28

¹ Lab Science course.