

# ASSOCIATE OF SCIENCE DEGREE

The Associate of Science degree is designed to satisfy the first two years of a bachelor's degree in majors that require advanced math or science. Formal agreements have been made with colleges and universities which allow for coursework taken in the Associate of Science degree program at Columbus State to transfer and apply to a bachelor's degree.

## ASSOCIATE OF SCIENCE DEGREE GRADUATION REQUIREMENTS:

1. All students must satisfactorily complete at least 61 credit hours of approved courses, a minimum of 20 hours of which must be completed at Columbus State. Approved courses are designated below. Satisfactory completion requires a final grade of A, B, C, or D. Transfer credit may be awarded for courses in which a "C" or better has been earned at other accredited institutions, or a "D" or better from public Ohio institutions, if the course level equivalencies have been approved by the Dean of Arts and Sciences. Courses listed in the "Transfer Module" or "Transfer Assurance Guides" of an Ohio college have been pre-approved for credit toward a Columbus State degree. Credits by examination, proficiency credit, nontraditional credit, and transfer credit do not apply toward meeting residency credit hour requirements.
2. All students must attain an overall grade point average of 2.0 or better for all college level courses completed at Columbus State. Grade point averages are calculated on the following scale: A=4, B=3, C=2, D=1, E=0. Number equivalencies are not assigned for grades other than these.
3. All students must complete the following 30 hours of General Education Requirements, as well as 31 hours of additional coursework as specified on the following pages.
4. All students must complete a Graduation Application by the published deadline date for the intended semester of graduation.

### ASSOCIATE OF SCIENCE Degree Requirements 2023-2024

#### **First Year Experience** 1 hr required

Choose one course:

- COLS 1100 First Year Experience Seminar *or* ..... 1
- COLS 1101 College Success Skills *or* ..... 1
- COLS 1102 Navigating College in the US..... 1

#### **English** 6 hrs required

(Ohio Transfer 36)

*Composition I*

Take one, based on writing placement:

- ENGL 1100 Composition I + *or*.....3
- ENGL 1101 Composition IW +.....3

#### *Intermediate Composition*

Choose one:

- ENGL 2367 Composition II + *or*.....3
- ENGL 2467 Comp II: Race & Ethnicity *or*.....3
- ENGL 2567 Comp II: Gender & Identity + *or*.....3
- ENGL 2667 Comp II: Working Class Identity + *or*.....3
- ENGL 2767 Comp II: Writing About Sci/Tech +.....3

#### **Mathematics/Statistics** 4-5 hrs required

(Ohio Transfer 36)

Choose one course:

- MATH 1151 Calculus I + .....5
- STAT 1450 The Practice of Statistics +.....4

## Natural Sciences 10 hrs required

### (Ohio Transfer 36)

Two courses must have a lab (N = no lab)

Choose two to three courses to meet requirement:

#### BIOLOGICAL SCIENCES

ANTH 2200 Intro to Bio Anth. N + ^	3
BIO 1113 Biological Sciences I + ^	4
BIO 1114 Biological Sciences II + ^	4
BIO 1127 Intro to Environmental Science +	4
BIO 2215 Intro to Microbiology +	4
BIO 2301 Human Physiology +	4

#### PHYSICAL SCIENCES

CHEM 1111 Elementary Chemistry I +	4
CHEM 1112 Elementary Chemistry II +	4
CHEM 1171 General Chemistry I + ^	5
CHEM 1172 General Chemistry II + ^	5
CHEM 1200 Intro General/Organic Chemistry+	5
GEOG 1900 Weather & Climate +	4
GEOL 1121 Physical Geology + ^	4
GEOL 1122 Historical Geology + ^	4
PHYS 1200 Algebra-Based Physics I + ^	5
PHYS 1201 Algebra-Based Physics II + ^	5
PHYS 1250 Calculus-Based Physics I + ^	5
PHYS 1251 Calculus-Based Physics II + ^	5

## Additional Math or Science 4 hrs required

### (Ohio Transfer 36)

Select one additional Ohio Transfer 36 (+)

course from the following subjects:

Biology (BIO)  
Chemistry (CHEM)  
Geology (GEOL)  
Math (MATH)  
Physics (PHYS)  
Statistics (STAT)

## Social & Behavioral Sciences

### (Ohio Transfer 36)

6 hrs required

Choose one course from two different subjects:

#### ANTHROPOLOGY

ANTH 2201 World Prehistory + ^	3
ANTH 2202 Peoples & Culture + ^	3

#### ECONOMICS

ECON 1110 Intro to Economics +	3
ECON 2200 Principles of Microeconomics + ^	3
ECON 2201 Principles of Macroeconomics + ^	3

#### GEOGRAPHY

GEOG 2400 Economics & Social Geography + ^	3
GEOG 2750 World Regional Geography + ^	3

#### POLITICAL SCIENCE

POLS 1100 Intro to American Government + ^	3
POLS 1200 Comparative Politics + ^	3
POLS 1250 State and Local Government + ^	3
POLS 1300 International Relations + ^	3

#### PSYCHOLOGY

PSY 1100 Introduction to Psychology + ^	3
PSY 2200 Educational Psychology + ^	3
PSY 2261 Child Development + ^	3
PSY 2325 Social Psychology + ^	3
PSY 2331 Psychopathology + ^	3
PSY 2340 Human Growth and Development + ^	3
PSY 2551 Adolescent Psychology + ^	3

#### SOCIOLOGY

SOC 1101 Introduction to Sociology + ^ or	3
SOC 1500 Introduction to Rural Sociology + ^	3

SOC 2202 Social Problems + ^	3
SOC 2210 Sociology of Deviance +	3
SOC 2309 Law and Society +	3
SOC 2309 Marriage and Family Relations + ^	3
SOC 2380 American Race and Ethnic Relations + ^	3
SOC 2410 Criminology + ^	3

## Historical Study

### (Ohio Transfer 36)

3 hrs required

Choose one:

HIST 1111 European History to 1648 + ^	3
HIST 1112 European History since 1648 + ^	3
HIST 1151 American History to 1877 + ^	3
HIST 1152 American History since 1877 + ^	3
HIST 1181 World Civilization I to 1500 +	3
HIST 1182 World Civ II since 1500 +	3
HIST 2223 African-Am History I to 1877 +	3
HIST 2224 African-Am History II since 1877 +	3
HIST 2715 Western Medicine I to 1700 +	3
HIST 2716 Western Medicine II since 1700 +	3

## Literature, Cultures & Ideas,

### Visual/Performing Arts

3 hrs required

### (Ohio Transfer 36)

Choose one:

#### LITERATURE

CLAS 1222 Classical Mythology +	3
ENGL 2200 Intro to Literature	3
ENGL 2201 British Literature I (to 1789) + ^	3
ENGL 2202 British Literature II (19th & 20th century) + ^	3
ENGL 2220 Intro to Shakespeare +	3
ENGL 2240 Intro to Science Fiction +	3
ENGL 2260 Intro to Poetry +	3
ENGL 2274 Intro to Multicultural Literature +	3
ENGL 2276 Women in Literature +	3
ENGL 2280 The English Bible as Literature +	3
ENGL 2281 African American Literature +	3
ENGL 2290 Colonial & U.S. Literature to 1865 + ^	3
ENGL 2291 U. S. Lit. II (since 1865) + ^	3
THEA 2230 Intro to Dramatic Literature +	3

#### CULTURES & IDEAS

CLAS 1224 Classical Civilization: Greece +	3
CLAS 1225 Classical Civilization: Rome +	3
CLAS 1226 Classical Civilization: Byzantium +	3
ENGL 2270 Intro to Folklore +	3
HUM 1100 Introduction to Humanities +	3
HUM 1270 Comparative Religions +	3
PHIL 1101 Intro to Philosophy + ^	3
PHIL 1130 Ethics + ^	3
PHIL 2270 Philosophy of Religion +	3

#### VISUAL/PERFORMING ARTS

HART 1201 History of Art I + ^	3
HART 1202 Renaissance to Contemporary Art Histories + ^	3
HART 1260 World Cinema +	3
HUM 1160 Music & Art Since 1945 +	3
MUS 1251 Survey of Music History +	3
THEA 1100 Intro to Theatre +	3

## Additional Course Options to Complete Degree

To complete the Associate of Science degree, take additional credits to meet the 61 semester hour requirement. Choose from the following or choose additional courses from the previous course listings. Utilize Degree Audit (accessible through CougarWeb) to determine how many additional credits are needed to achieve the overall 61 semester hours required. If you are uncertain about course selection, consult an Arts and Sciences Advisor for suggestions.

**All courses are 3 semester hours unless indicated otherwise.**

### Recommended Elective:

**ASC 1190 Critical Thinking in  
Arts & Sciences (1 hr)**

## STEM Related Electives

### ANTHROPOLOGY

ANTH 2235 Intro Forensic Anthropology

### ASTRONOMY

ASTR 1141 Life in the Universe<sup>N+</sup>

ASTR 1161 The Solar System<sup>N+</sup>

ASTR 1162 Stars & Galaxies<sup>N+</sup>

ASTR 1400 Astronomy Laboratory (1 hr)

### BIOLOGY

BIO 1101 Fund. Anatomy/Physiology<sup>N+</sup>

BIO 1107 Human Biology + (4 hrs)

BIO 1111 Intro to Biology + (4 hrs)

BIO 1121 Anatomy & Physiology I (4 hrs)

BIO 1122 Anatomy & Physiology II (4 hrs)

BIO 1125 Plant Biology + (4 hrs)

BIO 2050 Intro to Biotechnology (4 hrs)

BIO 2216 Mechanisms of Microbial Disease

BIO 2300 Human Anatomy + (4 hrs)

BIO 2302 Human Pathophysiology<sup>N+</sup> ^

BIO 2500 General Genetics<sup>N^</sup>

### CHEMISTRY

CHEM 1100 Chemistry & Society<sup>N+</sup> (5 hrs)

CHEM 1113 Elements Org/Biochem + (4 hrs)

CHEM 2251 Organic Chemistry I (5 hrs) ^

CHEM 2252 Organic Chemistry II (5 hrs) ^

CHEM 2254 Organic Chemistry Lab I ^

CHEM 2255 Organic Chemistry Lab II ^

CHEM 2261 General Biochemistry (4 hrs)

### COMPUTER SCIENCE

CSCI 2467 Java Programming I

### ENGINEERING

ENGR 1181 Fundamentals of Engineering I ^

ENGR 1182 Fundamentals of Engineering II

ENGR 2010 Engineering Statics^

ENGR 2030 Dynamics (4 hrs)

ENGR 2040 Statics and Intro to

Mechanics of Materials (4 hrs)

### GEOLOGY

GEO 1101 Intro to Earth Science + (4 hrs)

GEO 1105 Geology/National Parks<sup>N+</sup>

GEO 1151 Natural Disasters<sup>N+</sup>

### MATHEMATICS/STATISTICS (STEM)

MATH 1152 Calculus II + (5 hrs)

MATH 1172 Engineering Mathematics A (5 hrs)

MATH 2153 Calculus III + ^ (5 hrs)

MATH 2173 Engineering Math B (5 hrs)

MATH 2174 Linear Algebra & Differential Eq. (5 hrs)

MATH 2177 Mathematical Topics for Engineering (6 hrs)

MATH 2255 Elem. Differential Equations + ^ (4 hrs)

MATH 2366 Discrete Math Structures (5 hrs)

MATH 2415 Ordinary & Partial Differential Eq. (4 hrs)

MATH 2568 Linear Algebra + ^ (4 hrs)

STAT 2450 Intro to Statistical Analysis (4 hrs)

### PHYSICS

PHYS 1103 World of Energy<sup>N+</sup>

PHYS 2300 Dynamics Particles/Waves I (4 hrs)

PHYS 2301 Dynamics Particles/Waves II (4 hrs)

### SCIENCES (Other)

ESSH 1101 Intr. Envir. Science, Safety, Health<sup>N+</sup>

HORT 1130 Plant Sciences +

## Other Electives

### ACCOUNTING

ACCT 1211 Financial Accounting ^

ACCT 1212 Managerial Accounting ^

### ART

ARCH 2100 History of Architecture +

ART 1205 Beginning Drawing ^

ART 1206 Two-Dimensional Design ^

ART 1207 Three-Dimensional Design ^

ART 2221 Life Drawing ^

ART 2230 Color Composition

ART 2275 Beginning Painting

### BUSINESS RELATED

BMGT 2200 Mgt & Organizational Behavior ^

FMGT 1101 Personal Finance

LEGL 2064 Legal Environment of Business ^

MATH 1130 Business Algebra +

MATH 1131 Calculus for Business +

MKTG 1110 Marketing Principles ^

STAT 2430 Business Statistics + ^

### COMMUNICATON

COMM 1100 Intro to Communication Theory ^

COMM 1101 Intro Mass Communication ^

COMM 1105 Oral Communication ^

COMM 1110 Small Group Communication ^

COMM 1150 Video Art Production

COMM 2200 Business Communication ^

COMM 2208 Comm. for the Mass Media

COMM 2221 PR Writing & Media Techniques

COMM 2232 Interpersonal Communication ^

COMM 2241 News Writing & Editing

COMM 2245 Intro to Film

COMM 2268 Intercultural Communication

LING 2000 Introduction to Linguistics

### DANCE

DANC 1110 Dance Appreciation (2 hrs)

DANC 1131 Beginning Jazz I (1 hr)

DANC 1132 Beginning Jazz II (1 hr)

DANC 1140 Modern Dance I (2 hrs)

DANC 1201 Classical Ballet I (2 hrs)

DANC 1202 Classical Ballet II (2 hrs)

DANC 1203 Beginning Tap I (1 hr)

DANC 1204 Beginning Tap II (1 hr)

### EDUCATION

EDUC 2210 Intro to Education ^

EDUC 2220 Educational Technology

MATH 1125 Math for Teachers I (5 hrs)

MATH 1126 Math for Teachers II (5 hrs)

### ENGLISH

ENGL 2215 Magazine Publication I (2 hrs)

ENGL 2216 Magazine Publication II (2 hrs)

ENGL 2217 Writing to Publish

ENGL 2261 Intro to Fiction  
ENGL 2265 Writing Fiction  
ENGL 2266 Writing Poetry  
ENGL 2267 Creative Writing  
ENGL 2268 Writing Creative Nonfiction

### FOREIGN LANGUAGES

American Sign Language:

ASL 1101^ (3 hrs), 1102^ (3 hrs),

1103^ (3 hrs), 1104 (2 hrs)

All of the following language classes are 4 hrs.

Arabic: ARAB 1101, 1102

Chinese: CHIN 1101^, 1102^, 1103

French: FREN 1101, 1102, 1103

German: GERM 1101^, 1102^, 1103^

Italian: ITAL 1101, 1102, 1103

Japanese: JAPN 1101, 1102, 1103

Latin: LATN 1101, 1102, 1103

Spanish: SPAN 1101^, 1102^, 1103

SPAN 1105 Conversation & Composition (1 hr)

### GEOGRAPHY

GIS 1100 Intro to Geographic Info Systems^

GEOG 2300 Physical Geography<sup>N+</sup> ^

GEOG 2900 Elements of Cartography ^

### MATHEMATICS/PRECALCULUS

MATH 1120 Precalculus with Review I (5 hrs)

MATH 1121 Precalculus with Review II (5 hrs)

MATH 1146 College Algebra Plus + (5 hrs)

MATH 1148 College Algebra + (4 hrs)

MATH 1149 Trigonometry + (4 hrs)

MATH 1150 Precalculus + (6 hrs)

### MUSIC

MUS 1101 Intro Vocal Tech I (1 hr)

MUS 1102 Intro Vocal Tech II (1 hr)

MUS 1103 Class Piano I (2 hrs) ^

MUS 1104 Class Piano II (2 hrs) ^

MUS 1120 Intro Electronic Music

MUS 1121 Fund. of Music Theory

MUS 1122 Beg. Musical Composition

MUS 1203 Vocal Ensemble (1 hr) ^

MUS 1204 Concert Band (1 hr) ^

MUS 1205 Sm. Instrument Ensemble (1 hr)

MUS 1206 Gospel Vocal Ensemble (1 hr)

MUS 1208 Elec. Music Ensemble (1 hr)

MUS 1221 Musicianship I (4 hrs)

MUS 1222 Musicianship II (4 hrs)

MUS 1271 Business of Music

MUS 2221 Audio Production I

MUS 2222 Audio Production II

### NUTRITION

HNTR 1153 Nutrition for a Healthy Life ^

### PHILOSOPHY

PHIL 1150 Intro to Logic +

PHIL 2250 Symbolic Logic

### PSYCHOLOGY

PSY 2245 Children with Exceptionalities ^

PSY 2530 Psychology of Personality ^

### SOCIOLOGY

SOC 2209 Soc. of Criminal Justice System ^

### SPEECH & HEARING SCIENCE

SHS 2230 Intro to Communication Disorders

### STATISTICS

STAT 1350 Elementary Statistics

### THEATRE

THEA 1115 Oral Interpretation

THEA 1180 Theatre Practicum ^

THEA 2205 Tech Prod Practicum (2hrs) ^

THEA 2210 Tech Prod: Stage Light (2 hrs)

THEA 2215 Fund. of Script Analysis

THEA 2231 Literature for Theatre I

THEA 2232 Literature for Theatre II

THEA 2280 Fundamentals of Acting ^

THEA 2281 Adv. Acting: Styles of Perf.

THEA 2283 Writing Plays

# What do these symbols mean? +, ^, N

## + = Ohio Transfer Module (OT36 +)

The Ohio Transfer 36 represents a body of knowledge and academic skills common across Ohio colleges and universities. Ohio Transfer 36 approved courses are general education courses and are guaranteed to transfer and apply toward related general education subject areas at Ohio's public colleges and universities. Students completing the Associate of Arts or Associate of Science degree have also completed the Ohio Transfer 36. For more information, visit [www.ohiohighered.org/Ohio-Transfer-36](http://www.ohiohighered.org/Ohio-Transfer-36)

## ^ = Transfer Assurance Guides (TAG ^)

In addition to completing general education courses at any Ohio public college or university, students can also

complete courses in their degree/major that have been pre-identified

by the Ohio Board Of Regents for transfer. These courses are described in the *Transfer Assurance Guides* (TAG) for many majors/degree programs. TAG courses are guaranteed to transfer and apply directly to the major. For more information, visit [www.ohiohighered.org/tag](http://www.ohiohighered.org/tag).

Courses must have a lab (N = no lab)	
two to three courses to meet requirement	
<b>ICAL SCIENCES</b>	
200 Intro to Bio Arth. N + ^	.....
3 Biological Sciences I + ^	.....
4 Biological Sciences II + ^	.....
7 Intro to Environmental Science +	.....
5 Intro to Microbiology +	.....

## N = No Lab (N)

This indicates Natural Science courses that do not have a lab component.

## RESOURCES FOR SUCCESS

- **Arts and Sciences Advising**

For hours, contact information, and location, visit [www.csc.edu/services/advising/asadvisors.shtml](http://www.csc.edu/services/advising/asadvisors.shtml). Information about course prerequisites is available in the CSCC catalog. Academic Advisors can assist with degree planning to ensure course prerequisites are met and students are on track with graduation, transfer, and financial aid academic requirements.

- **Degree Audit (available through CougarWeb)**

This online tool helps students monitor progress toward degree completion. The Degree Audit contains the following information: courses in progress, courses completed, courses transferred from another college, courses needed, number of credits completed, number of credits needed, and grade point average.

- **Transferology, [www.transferology.com](http://www.transferology.com)**

This free, web-based resource allows transfer students to plan the best path to achieving academic and career goals based on reliable transfer information provided by participating Transferology colleges and universities. Set up a free account and find out how Columbus State courses transfer and apply to programs at select colleges and universities.

- **University Transfer Center**

For hours, contact information, and location, visit <https://www.csc.edu/academics/transfer/university-transfer-center.shtml> The University Transfer Center hosts visits from advisors and representatives from other colleges and universities to discuss completion of the bachelor's degree with students following graduation from Columbus State. The University Transfer Center also sponsors fairs and events that inform students about their transfer options and maintains all of the transfer pathways and guides.

