

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 "Ohio Transfer 36" 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 36-hour Ohio Transfer 36 requirements, plus 25 hours of additional coursework as specified on the following pages. Ohio Transfer 36 (OT36) courses are noted with the '+' symbol. Ohio Transfer Assurance Guide (TAG) courses are noted with the '^' symbol. See the back page for more information about OT36 and TAG courses.
4. All students must complete an Application for Program Completion in Workday by the published deadline date for the intended semester of graduation.

Associate of Science Degree Requirements

First Year Experience			Natural Sciences		
Choose one course:			Two courses must have a lab (N = No Lab)		
COLS 1100	First Year Experience Seminar	1	Choose two to three courses:		
COLS 1101	College Success Skills	1	BIOLOGICAL SCIENCES		
COLS 1102	Navigating College in the U.S.	1	ANTH 2200	Introduction to Biological Anthropology + ^	4
English			BIO 1113	Biological Sciences I + ^	4
Composition I			BIO 1114	Biological Sciences II + ^	4
Choose one course (based on writing placement):			BIO 1121	Anatomy & Physiology I + ^	4
ENGL 1100	Composition I +	3	BIO 1122	Anatomy & Physiology II + ^	4
ENGL 1101	Composition I Plus +	6	BIO 1127	Introduction to Environmental Science +	4
Intermediate Composition			BIO 2215	Microbiology +	4
Choose one course:			BIO 2300	Human Anatomy +	4
ENGL 2367	Composition II +		BIO 2301	Human Physiology +	4
ENGL 2467	Comp. II: Writing About U.S. Race & Ethnicity +	3	PHYSICAL SCIENCE		
ENGL 2567	Comp. II: Writing About Gender & Identity +	3	CHEM 1111	Elementary Chemistry I +	4
ENGL 2667	Comp. II: American Working-Class Identity +	3	CHEM 1112	Elementary Chemistry II +	4
ENGL 2767	Comp. II: Writing About Science/Technology +	3	CHEM 1171	General Chemistry I + ^	5
Mathematics/Logic			CHEM 1172	General Chemistry II + ^	5
Choose one course (based on math placement):			CHEM 1200	Intro to General/Organic Chemistry +	5
MATH 1151	Calculus I +	5	GEOG 1900	Introduction to Weather & Climate +	4
STAT 1450	The Practice of Statistics +	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

Social & Behavioral Sciences 6 hours required

Choose two courses from two different subjects:

ANTHROPOLOGY

ANTH 2201	World Prehistory + ^	3
ANTH 2202	Peoples & Cultures + ^	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	Intro 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 & Dev. Across Lifespan + ^	3
PSY 2551	Adolescent Psychology + ^	3

SOCIOLOGY

SOC 1101 OR	Intro to Sociology + ^	3	OR
SOC 1500	Intro to Rural Sociology + ^	3	
SOC 2202	Social Problems + ^	3	
SOC 2210	Sociology of Deviance +	3	
SOC 2309	Law and Society +	3	
SOC 2330	Marriage & Family Relations + ^	3	
SOC 2380	American Race & Ethnic Relations + ^	3	
SOC 2410	Criminology + ^	3	

Literature/Cultures & Ideas/Visual & Performing Arts 3 hours required

Choose one course from any category:

LITERATURE

CLAS 1222	Classical Mythology +	3
ENGL 2200	Intro to Literature + ^	3
ENGL 2201	British Literature Medieval to 1800 + ^	3
ENGL 2202	British Literature 1800 to Present + ^	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 and U.S. Literature to 1865 + ^	3

ENGL 2291	U.S. Literature 1865 to Present + ^	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	Intro 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	Ancient to Medieval Art Histories + ^	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

Historical Study 3 hours required

Choose one course:

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 Civilization II Since 1500 +	3
HIST 2223	African-American History I to 1877 +	3
HIST 2224	African-American History II Since 1877 +	3
HIST 2715	Western Medicine I to 1700 +	3
HIST 2716	Western Medicine II Since 1700 +	3

Additional Math or Science 4 hours required

Select one Ohio Transfer 36 (+) course from the following subjects:

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

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 the Academic Progress Report (APR) (accessible through Workday Student) 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 Academic 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^N +

ASTR 1161 The Solar System^N +

ASTR 1162 Stars & Galaxies^N +

ASTR 1400 Astronomy Laboratory (1 hr)

BIOLOGY

BIO 1101 Fund. Anatomy/Physiology N +

BIO 1107 Human Biology + (4 hrs)

BIO 1111 Intro to Biology + (4 hrs)

BIO 1125 Plant Biology + (4 hrs)

BIO 2300 Human Anatomy (4hrs)

2302 Human Pathophysiology^N + ^

BIO 2500 General Genetics^N ^

CHEMISTRY

CHEM 1100 Chemistry and Society^N + (5 hrs)

CHEM 1113 Elements Org/Biochem + (4hrs)

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 1103 Intro to Programming Logic

CSCI 2467 Java Programming I ^

ENGINEERING

ENGR 1181 Fundamentals of Engineering I

ENGR 1182 Fundamentals of Engineering II

ENGR 2010 Engineering Statics^A

ENGR 2030 Dynamics (4 hrs)

ENGR 2040 Statics and Intro to Mechanics of Materials (4 hrs)

GEOGRAPHY

GIS 1100 Intro to Geographic Info Systems ^

GEOG 2300 Physical Geography^N + ^

GEOG 2900 Elements of Cartography ^

GEOLOGY

GEOL 1101 Intro to Earth Science + (4 hrs)

GEOL 1105 Geology/National Parks N +

GEOL 1151 Natural Disasters N +

MATHEMATICS

MATH 1115 Math. for Engr. Tech (4 hrs) +

MATH 1120 Precalc. with Review I + (5 hrs)

MATH 1121 Precalc. with Review II + (5 hrs)

MATH 1122 Found. for Quant. Reas. + (5 hrs)

MATH 1123 Quantitative Reasoning +

MATH 1125 Conc. Math for Teach. I + (5 hrs)

MATH 1126 Conc. Math for Teach. II + (5 hrs)

MATH 1130 Business Algebra + (5 hrs)

MATH 1146 College Algebra Plus + (4 hrs)

MATH 1148 College Algebra + (4 hrs)

MATH 1131 Calculus for Business (6 hrs) +

MATH 1149 Trigonometry (4 hrs) +

MATH 1150 Precalculus (6 hrs) +

MATH 1152 Calculus II + (5 hrs)

MATH 1172 Engineering Math A (5 hrs)

MATH 2153 Calculus III + ^ (5 hrs)

MATH 2173 Engineering Math B (5 hrs)

MATH 2174 Linear Algebra & Diff. I Eq. (5 hrs)

MATH 2177 Math. Topics for Engr. + (6 hrs)

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

MATH 2366 Discrete Math Struct. + (5 hrs)

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

MATH 2568 Linear Algebra + ^ (4 hrs)

STATISTICS

STAT 1350 Elementary Statistics

STAT 1375 Intro to Data Science (4 hrs)

STAT 2430 Business Statistics ^ (4hrs)

STAT 2450 Intro to Statistical Analysis (4 hrs)

STAT 2460 Princ. of Stats. For Engr. (4 hrs)

STAT 2470 Prob. & Stats for Engr./Sci. (4 hrs)

PHYSICS

PHYS 2300 Dyn. Particles/Waves I (4 hrs)

PHYS 2301 Dyn. Particles /Waves II (4 hrs)

OTHER SCIENCES

ESSH 1101 Intro Envir. Sci, Safety & Health^N +

HORT 1130 Plant Sciences^N +

QIS 1110 The Second Quantum Revol^N (4 hrs)

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 2205 Intermediate Drawing

ART 2221 Life Drawing ^

ART 2230 Color Theory

ART 2275 Beginning Painting

ART 2295 Portfolio Dev and Exhibition

ART 2299 Sculpture ^

FOTO 1140 Intro. to Dig. Photography ^

BUSINESS RELATED

BMGT 2200 Mgt & Organizational Behavior ^

BMGT 2050 Sustainable Business

FMGT 1101 Personal Finance

LEGL 2064 Legal Environment of Business ^

MKTG 1110 Marketing Principles ^

CLASSICS

CLAS 2228 Women in Anc. Mediterranean

COMMUNICATON

COMM 1100 Intro to Comm. Theory ^

COMM 1101 Intro Mass Communication ^

COMM 1105 Oral Communication + ^

COMM 1110 Small Group Communication ^

COMM 2200 Business Communication ^

COMM 2208 Comm. for the Mass Media

COMM 2232 Interpersonal Communication ^

COMM 2245 Introduction to Film

COMM 2221 PR Writing & Media Techniques

COMM 2268 Intercultural Communication

COMM 2450 Persuasion

LING 2000 Intro 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

ENGLISH

ENGL 2215 Magazine Publication I (2hrs)

ENGL 2216 Magazine Publication II (2hrs)

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 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

GERM 1105 German Conv.& Comp (1 hr)

SPAN 1105 Span. Conv. & Comp. (1 hr)

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 1209 String Ensemble ^ (1hr)
 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
 PHIL 2450 Philosophy of Art

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

THEATRE

THEA 1115 Oral Interpretation
 THEA 1180 Theatre Practicum ^
 THEA 2200 Stagecraft ^
 THEA 2205 Tech Prod Pract ^
 THEA 2210 Tech-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 <https://transfercredit.ohio.gov/students/student-programs/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 Department of Higher Education 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 <https://transfercredit.ohio.gov/students/student-programs/tags>

N = No Lab (N)

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

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

Resources for Success

- **Arts and Sciences Advising:** For hours, contact information, and location, visit <https://www.csc.edu/services/advising/>. 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.
- **Academic Progress Report (APR) (available through Workday Student):** This online tool helps students monitor progress toward degree completion. The Academic Progress Report 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:** 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.
- **The Office of Transfer Student Success:** For hours, contact information, and location, visit <https://www.csc.edu/academics/transfer/university-transfer-center.shtml> The Transfer Office 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.

