

ASSOCIATE OF SCIENCE DEGREE

Amanda Kuck, **Coordinator**
 Phone: (419) 995-8879
 Email: kuck.a@rhodesstate.edu
 Office: SCI 260P

Overview

The Associate of Science (AS) is for students who plan to transfer to a bachelor's degree at a four-year college or university and desire a broad-based liberal arts education. It is designed to serve as the first two years of a bachelor's degree. The AS offers a Mathematics and Physical/Biological Sciences focus while also meeting the general education distribution requirements. The successful completion of the degree requires a minimum of 60 credits.

Program Learning Outcomes

Upon completion, the student will be able to:

1. Demonstrate professional skills and participate in activities that are necessary for success in one's career or academic discipline.
2. Recognize civic and ethical responsibilities associated with the rights and expectations as citizens in a democratic society.
3. Understand and integrate knowledge of cultural worldviews, reflect attitudes of openness and curiosity, and illustrate empathy and understanding of own and other cultures.
4. Exercise awareness of the interdependence of diversity factors including, but not limited to, culture, history, sexual orientation, psychological functioning, education, economics, environment, language, politics, age, sex, gender identity, physical challenges, class, and religion.
5. Demonstrate ability to interpret meaning in decision making and apply information to engage in innovative problem-solving strategies.
6. Apply knowledge of communication patterns and effectively interpret, use, and adapt various contexts or presentation methods to appropriate audiences.
7. Understand and appropriately apply mathematics and scientific principles and methods.
8. Demonstrate the ability to utilize knowledge and skills to effectively incorporate technology into one's career or academic discipline.

General Education

Students in this program complete 37-40 semester credit hours of general education transferrable courses in the following: English Composition and Oral Communication (9 credits), Arts and Humanities (9 credits), Social and Behavioral Sciences (9 credits), Mathematics, Statistics and Logic (3-5 credits), and Natural Sciences (7-8 credits). Students round out their program by completing an additional 12 credit hours of electives in the AS areas of Natural Sciences, Engineering, Computers, Business and Nutrition and 6 credit hours in any college level course.

A Note to College Credit Plus Students

College Credit Plus (CCP) gives high school students the opportunity to enroll in college and earn college credit at no cost, while still in high school. The AS degree was designed to provide CCP students a seamless course selection pathway from high school to an associate's degree to a bachelor's degree.

Associate of Science CCP Pathway

14 Credit Pathway

SDE 1010 First-Year Experience (1 credit)
 COM 1100 English Composition (3 credits)
 TM Arts and Humanities Course (3 credits)
 TM Social and Behavioral Sciences Course (3 credits)
 TM Physical and Biological Sciences Course with Lab (4 credits)

30-32 Credit Pathway (includes the above courses)

COM 2400 Composition and Literature (3 credits)
 TM Arts and Humanities Course (3 credits)
 TM Social and Behavioral Sciences Course (3 credits)
 TM Natural Sciences Course with Lab (4 credits)
 Mathematics, Statistics and Logic Courses (3-5 credits)

In selecting courses for this degree, all students are strongly encouraged to consult the following resources:

- the specific degree plan in the College catalog;
- their faculty advisor; and
- the four-year institution to which they intend to transfer in order to determine appropriate curriculum choices.

Students who have not yet decided on which major/degree to declare, might consider the Associate of Science as they can enroll in general education courses until a decision is made. General education courses are required for all degree programs at the College.

Associate of Science Degree Structured Course Sequence (4 Semester Plan)

First Year		Hours
First Semester		
COM 1110	English Composition	3
MTH 1151	Quantitative Reasoning	3
or MTH 1260	or Statistics	
or MTH 1370	or College Algebra	
SDE 1010	First Year Experience	1
SOC 1010	Sociology	3
ANY COLLEGE LEVEL COURSE		3-5
Term Hours		13-15
Second Semester		
CPT 1250	Computer Applications in the Workplace	3
HST 1620	American History Since 1877	3
OT36 ENGLISH COMPOSITION AND ORAL COMMUNICATION ELECTIVE 3		
2		
OT36 NATURAL SCIENCE ELECTIVE		4
2, 3		
OT36 SOCIAL AND BEHAVIORAL SCIENCES ELECTIVE		3
2, 4		
Term Hours		16

Second Year

First Semester

OT36 ARTS AND HUMANITIES ELECTIVE 2,4	3
OT36 ENGLISH COMPOSITION AND ORAL COMMUNICATION ELECTIVE 2	3
OT36 NATURAL SCIENCE ELECTIVE 2,3	3-4
AS OT36 OR TAG ELECTIVE 1	3
AS OT36 OR TAG ELECTIVE 1	3

Term Hours	15-16
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Second Semester

BIO 2820 Associate of Science Capstone	1
OT36 ARTS AND HUMANITIES ELECTIVE 2,4	3
OT36 SOCIAL AND BEHAVIORAL SCIENCES ELECTIVE 2,4	3
AS OT36 OR TAG ELECTIVE 1	3
AS OT36 OR TAG ELECTIVE 1	3
ANY COLLEGE LEVEL COURSE ELECTIVE	3

Term Hours	16
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Total Hours	60-63
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Capstone course

¹ Any AS Elective: students may select any Ohio Transfer 36 (OT36) or Transfer Assurance Guide (TAG) course from Mathematics, Statistics and Logic; Natural Sciences; Nutrition; Electronic Engineering Technology; Geology; Medical Terminology; and Mechanical Engineering Technology.

² Student may select any Transfer 36 (OT36) course from the designated discipline specific elective area.

³ One Laboratory Natural Science Course is Required.

⁴ Students must select from 2 different disciplines(subject) in elective area.

Concentrations

- Artificial Intelligence and Machine Learning
- Business
- Construction Management Concentration
- Laboratory Science Technology
- Pre-Health
- Psychology

General Requirements

The Associate of Science degree requires successful completion of 60 semester credit hours. This includes the following:

- 37 general education credits distributed among English Composition and Oral Communication; Social and Behavioral Sciences; Arts and Humanities; Social and Behavioral Sciences; Mathematics, Statistics and Logic; and Natural Science,

- 12 additional credits of Mathematics, Statistics and Logic; Natural Sciences; Nutrition; Electronic Engineering Technology; Geology; Medical Terminology; and Mechanical Engineering Technology,
- 6 credits of any college level course work,
- 5 credits of other coursework.

In selecting courses for this degree, students are strongly encouraged to consult the specific academic plan in the College catalog, their faculty advisor, and the four-year institution to which they intend to transfer in order to determine appropriate curriculum choices.

Code	Title	Hours
Required General Education Distribution		
English Composition and Oral Communication		9
Arts and Humanities		9
Social and Behavioral Sciences		9
Mathematics, Statistics and Logic		3
Natural Science		7
Mathematics/Natural Sciences Focus		
Additional Mathematics/Natural Sciences Course Electives		12
Other Requirements		
SDE 1010	First Year Experience	1
BIO 2820	Associate of Science Capstone	1
CPT 1250	Computer Applications in the Workplace	3
College Level Course Electives		6
Total Minimum Degree Requirements		60