

PRE-VETERINARY

ASSOCIATE IN SCIENCE (AS) DEGREE PRE-VETERINARY CONCENTRATION

For students considering a major in PRE-VETERINARY upon transferring to a four-year institution, the Associate of Science degree with a PRE-VETERINARY concentration from ACC offers a strong foundation, providing essential courses that serve as building blocks for advanced study.

A concentration in PRE-VETERINARY can lead to diverse career opportunities, including veterinary medicine, animal science, wildlife biology, research, public health, and animal welfare.

Program Objectives

Upon graduating from ACC with an Associate of Science degree with a concentration in PRE-VETERINARY, students will:

1. **Demonstrate** a strong foundation in biological and animal sciences, including health, nutrition, and behavior.
2. **Apply** hands-on experience through laboratory work and animal handling.

It is strongly recommended that students consult with an ACC Academic Advisor in PRE-VETERINARY to ensure they meet specific program requirements, objectives, and transfer goals.

PROGRAM REQUIREMENTS (PR)

BIO 161	GENERAL COLLEGE BIOLOGY (4/5)
BIO 162	GENERAL COLLEGE BIOLOGY II (4/5)
BIO 201	HUMAN ANATOMY (4/5)
BIO 203	HUMAN PHYSIOLOGY (4/5)
CEM 121	GENERAL & INORGANIC CHEMISTRY (4/7)
CEM 122	INORGANIC CHEM & QUALITATIVE ANALYSIS (4/7)
CEM 221	ORGANIC CHEMISTRY (5/7)
CEM 222	ORGANIC CHEMISTRY (5/7)
MTH 123	COLLEGE ALGEBRA & ANALYTIC TRIG (4/4)
PHY 121	GENERAL COLLEGE PHYSICS (4/6)
PHY 122	GENERAL COLLEGE PHYSICS (4/6)

GENERAL EDUCATION

DEGREE DISTRIBUTION REQUIREMENTS

GROUP 1 (G1) – ENGLISH COMPOSITION

Six (6) semester credits are required, including ENG 111 or 121 and 112, 122 or 123

GROUP 2 (G2) – SCIENCES/MATHEMATICS

Twenty (20) semester credits are required, including at least one laboratory science course. Courses will be taken in more than one academic discipline (course abbreviation/prefix). Note: Two (2) courses in Natural Sciences, including one with laboratory experience (from two disciplines), in addition to MTH 118 or MTH 121 or higher, are required to achieve the Michigan Transfer Agreement (MTA).

GROUP 3 (G3) – SOCIAL SCIENCES & HUMANITIES/FINE ARTS

Ten (10) semester credits are required in combination from both of these groups, with a minimum of three (3) credits from each group. Political Science or U.S. History courses used to satisfy the American Government requirement can be included. Courses will be taken in more than one academic discipline (course abbreviation/prefix). Note: Two (2) courses in Social

Sciences (from two disciplines) and two (2) courses in Humanities and Fine Arts (from two disciplines and excluding studio and performance classes) are required for the Michigan Transfer Agreement (MTA).

ELECTIVE CREDITS (EC)

The remainder of credits for an AS degree with this concentration should be oriented toward additional courses in PRE-VETERINARY with prefixes **BIO, CEM, MTH, and PHY** when available in consultation with an ACC Academic Advisor in PRE-VETERINARY.

RECOMMENDED COURSES - SEQUENCE

GROUP 1-4 REQUIREMENTS + ELECTIVE CREDITS

Meets ACC degree distribution and MTA requirements
64 CREDITS - 82 CONTACT HOURS

YEAR 1 FALL		15 CREDITS
G1	ENG 111	ENGLISH COMPOSITION I (3/3)
G2 PR	BIO 161	GENERAL COLLEGE BIOLOGY (4/5)
G2 PR	CEM 121	GENERAL & INORGANIC CHEMISTRY (4/7)
G2 PR	MTH 123	COLLEGE ALG & ANALYTIC TRIG (4/4)
YEAR 1 SPRING		17 CREDITS
G1	ENG 112	ENGLISH COMPOSITION II (3/3)
G2 PR	BIO 162	GENERAL COLLEGE BIOLOGY II (4/5)
G2 PR	CEM 122	INORGANIC CHEM & QUAL ANALYSIS (4/7)
G3	PLS 221	AMERICAN GOVERNMENT & POLITICS (3/3)
G3	HUM/FA	HUMANITIES/FINE ARTS (3/3)
YEAR 2 FALL		16 CREDITS
G2 PR	CEM 221	ORGANIC CHEMISTRY (5/7)
G2 PR	BIO 201	HUMAN ANATOMY (4/5)
G2 PR	PHY 121	GENERAL COLLEGE PHYSICS (4/6)
G3	SOC SCI	SOCIAL SCIENCE (3/3)
YEAR 2 SPRING		16 CREDITS
G2 PR	CEM 222	ORGANIC CHEMISTRY (5/7)
G2 PR	BIO 203	HUMAN PHYSIOLOGY (4/5)
G2 PR	PHY 122	GENERAL COLLEGE PHYSICS (4/6)
G3	HUM/FA	HUMANITIES/FINE ARTS (3/3)