

Associate of Science Degree in Chemistry Block Preferred Course Sequence

Semester I	Semester II	Semester III	Semester IV
Composition I ENG 101 3	Composition II ENG 102 <u>or</u> Technical Writing ENG 150 3	Public Speaking COM 105 3	American Government and Politics PLS 101 3
General Chemistry I* CHM 111 5	General Chemistry II* CHM 112 5	Organic Chemistry I* CHM 242 <u>or</u> Introduction to Quantitative Analysis* CHM 250 5	Humanities Elective (A) 3
Personal Computer Applications CIS 101 3	Social/Behavioral Science Elective (B) 3	General Physics I* PHY 120 <u>or</u> Physics for Engineers and Scientists I* PHY 220 4-5	General Physics II PHY 130 <u>or</u> Physics for Engineers and Scientists II* PHY 222 4-5
General Elective(s)** (100 level or higher) 5	General Biology I BIO 160 4	Analytic Geometry and Calculus I* MTH 140 5	Analytic Geometry and Calculus II MTH 141 5
16	15	17-18	15-16

**AS Degree:
Minimum 62 Total Hours**

* If prerequisite has not been met, student must first enroll in the other appropriate course(s).

**General Electives must be between 3 to 5 credit hours to bring the total degree to 62 hours.

This block diagram is provided to aid in advising students and tracking course completion.

See course descriptions sections of the catalog for individual course prerequisites.

OTC reserves the right to modify course titles, sequences and content in accordance with college procedures.

(A) OTC COURSES THAT SATISFY THE HUMANITIES REQUIREMENT:

ART 101	Art History I
ART 105	Art History II
ART 110	Art and Experience
ASL 101	American Sign Language I
ASL 102	American Sign Language II
CHN 101	Beginning Chinese I
ENG 180	Introduction to Literature
ENG 195	Selected Topics in Literature
ENG 220	American Literature: Beginnings -1870
ENG 225	American Literature: 1870 - Present
ENG 240	British Literature: Beginnings - 1790
ENG 245	British Literature: 1790 - Present
ENG 250	Children's Literature
ENG 260	Survey of World Literature I
ENG 265	Survey of World Literature II
FRN 101	Beginning French I
FRN 102	Beginning French II
GRM 101	Beginning German I
GRM 102	Beginning German II
HST 105	World History I
HST 106	World History II
HUM 101	Introduction to Humanities
HUM 102	World Humanities
MUS 101	Music of the World
MUS 105	Western Music Appreciation
MUS 106	Jazz Appreciation
MUS 201	Latin-American Music
PHL 101	Introduction to Philosophy
PHL 105	Introduction to Ethics
PHL 110	Religions of the World
PHL 120	Introduction to the New Testament
SPN 101	Beginning Spanish I (or above)
THR 101	Introduction to Theater

(B) OTC COURSES THAT SATISFY THE SOCIAL SCIENCE REQUIREMENTS:

*****To satisfy Missouri law to include instruction in Federal and State Constitution one of the following options must be used to fulfill the social science requirement:***

Option 1: HST 120 and HST 130

Option 2: PLS 101 and ONE (1) other social science from the following:

AGR 100	Introduction to Agriculture
ANT 101	Introduction to Anthropology
ECO 270	Principles of Macroeconomics
GRY 101	World Geography I
GRY 230	World Economic Geography
HST 105	World History I
HST 106	World History II
HST 120	US History I: to 1865
HST 130	US History II: 1865 to the Present
PLS 250	The Politics of Environment
PLS 255	Environmental Laws and Regulations
PSY 110	Introduction to Psychology
SOC 101	Introduction to Sociology

Any other ECO, HST, PLS, PSY (may not include PSY 100) and SOC course will fulfill this requirement; however the others have a prerequisite.

04/25/12