

**Associate in Science Degree
Ashland Community & Technical College**

**Bachelor of Science Degree in Biology and Minor in Chemistry
Marshall University (12-5-05)**

YEAR ONE			
Fall Semester	Hours	Spring Semester	Hours
CHE 105	3	CHE 107	3
CIS 100	3	CHE 115	3
ENG 101	3	ENG 102	3
PHI 130	3	HIS 104	3
MT 150 or MA 113	(3) - 4	MT 155 or STA 291	3
Free Elective****	(1) – 0	Free Elective****	1
Total Hours	16	Total Hours	16
YEAR TWO			
Fall Semester	Hours	Spring Semester	Hours
BIO 150/151	5	BIO 152/153	5
PY 110	3	COM 181	3
GEO 160 (or other social science course)	3	PHY 213	5
PHY 211	5	SOC 101	3
Total Hours	16	Total Hours	16
YEAR THREE			
Fall Semester	Hours	Spring Semester	Hours
BSC 302	3	BSC 320	4
BSC 304	2	BSC 413 (or other Ecology BSC elective)	3
BSC 322	4	CHM 356	3
CHM 355	3	CHM 361	3
Foreign Language**	3	Foreign Language**	3
Free Elective****	1		
Total Hours	16	Total Hours	16
YEAR FOUR			
Fall Semester	Hours	Spring Semester	Hours
BSC 301 (or other Biomed BSC elective)	4	BSC 324	4
BSC 365 (or other Cellular BSC elective)	3	BSC 491	2
BSC 417 (or other BSC elective****)	3	ENG 319 [†] (or other literature elective)	3
ENG 317 [†] (or other literature elective)	3	HST 103**** (international, social science)	3
Foreign Language**	3	Foreign Language**	3
		Free Elective****	1
Total Hours	16	Total Hours	16

*If MTH 132 or MTH 229 is taken, no additional mathematics courses are required.

**Students are required to complete a 12-hour sequence in a foreign language. Depending on high school background, this will require 3-12 hours at the college level.

***BSC 104, BSC 105, BSC 227, BSC 228, & BSC 250 do not count as electives for biology majors.

****128 hours of total college credit are required for graduation. 48 hours of these courses must be numbered 300-499. This sample schedule will require only 1 hour of upper division electives to be taken during Year Four.

[†] One of these should be a designated Writing Intensive course.