

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

**Bachelor of Science
Degree in Forensic Chemistry with Minor in Biology (5-17-06)
Marshall University**

YEAR ONE			
Fall Semester	Hours	Spring Semester	Hours
CHE 105 General College Chemistry I	3	CHE 107 General College Chemistry II	3
CIS 100 Introduction to Computers	3	CHE 115 General Chemistry Lab	3
ENG 101 Writing I	3	COM 181 Basic Public Speaking	3
GEO 160 Lands/Peoples (international)	3	ENG 102 Writing II	3
MA 123 Elementary Calculus & Apps	3	ST 291 Statistics	3
PHI 130 Introduction to Philosophy	3	SOC 101 Intro to Sociology (multicultural)	3
Total Hours	18	Total Hours	18
YEAR TWO			
Fall Semester	Hours	Spring Semester	Hours
BIO 150 Principles of Biology I	3	BIO 152 Principles of Biology II	3
BIO 151 Principle of Biology Lab I	2	BIO 153 Principles of Biology Lab II	2
CHE 230 Organic Chemistry I	3	CHE 232 Organic Chemistry II	3
CHE 231 Organic Chemistry Lab I	2	CHE 233 Organic Chemistry Lab II	2
PY 110 General Psychology	3	HIS 104 (or other history course)	3
Foreign Language*	3	Foreign Language*	3
Total Hours	16	Total Hours	16
YEAR THREE			
Fall Semester	Hours	Spring Semester	Hours
CHM 345 Intro to Analytical Chemistry	4	CHM 307 Introductory Physical Chem	4
CHM 365 Introductory Biochemistry	3	CJ 314 Crime Scene Investigation	3
CJ 200 Introduction to Criminal Justice	3	IST 340 Double Helix: DNA Tech	4
Foreign Language*	3	Foreign Language*	3
PHY 201 General Physics I	3	PHY 203 General Physics II	3
PHY 202 General Physics Lab I	1	PHY 204 General Physics Lab II	1
UNI 101 New Student Seminar	1		
Total Hours	18	Total Hours	18
YEAR FOUR			
Fall Semester	Hours	Spring Semester	Hours
BSC 322 Principles of Cell Biology	4	BSC 324 (or other 300-400 BSC course)	4
CHM 491 Capstone Experience	2	CHM 411 Modern Instrumental Methods	4
CHM 300-499 Elective	3	CHM 428 Intro to Forensic Methods	3
CJ 422 Law of Evidence	3	CHM 432 Seminar	0
ENG 317 ¹ (or other literature elective)	3	ENG 319 ¹ (or other literature elective)	3
International, social science elective	3	IST 445 DNA Forensics	3
Total Hours	18	Total Hours	17

*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.

¹One of these should be a designated Writing Intensive course.