

Name: _____
 SSN: _____

Advisor: _____
 Date: _____

Model Schedule: 4011F PrePT/Forensic Science (B.S)--Math ACT 21***

Yellow highlight indicates pre-physical therapy requirements.					
	Course		Notes	Prereqs.	Credits
Freshman First Semester	CHEM 1105	Chemical Principles I	*	ACT Math 20 or "C" in CHEM 1101	5
	MATH 1112***	College Algebra		ACT Math 21 or "C" in MATH 1100	3
	BIOL 1105	Biological Principles I	*	ACT Sci 21 or "C" in SCIE 1000 (Human Biol)	4
	ENGL 1104	Written English I		ACT Eng 18 or ENGL 0097	3
	CRJU 1100	Intro. to Criminal Justice		Can be taken later.	3
					18
Freshman Second Semester	CHEM 1106	Chemical Principles II	**	CHEM 1105	4
	CHEM 1113	Practical Scientific Stats	**	ACT Math 20	1
	MATH 1115	Trigonometry		ACT Math 23 or Math 1112	3
	BIOL 1106	Biological Principles II	**	ACT Sci 21 or "C" in SCIE 1000 (Human Biol)	4
	ENGL 1108	Written English II		"C" in ENGL 1104	3
SPCH 1100	Intro. to Speech Comm.		Can be taken later.	3	
					18
Sophomore First Semester	CHEM 2201	Organic Chemistry I	*	CHEM 1106	4
	CRJU 2236	Criminal Investigation	*	CRJU 1100	3
	MATH 1185	Applied Calculus I (or 1190)		ACT Math 24 or MATH 1115 or "B" in 1102	4
	PHYS 1101	Intro. Physics I (or 1105)		MATH 1115	4
	INFO 1100	Comp. Concepts & Appls.*		* May test out	3
					18
Sophomore Second Semester	CHEM 2202	Organic Chemistry II	**	CHEM 2201	4
	PHYS 1102	Intro Physics II (or 1106)		PHYS 1101	4
	MATH 1113	Applied Statistics	**	MATH ACT 21 or MATH 1112 or MATH 1102	4
	CHEM 2225	Forens. Microsc. & Spectro.	**	CHEM 1106 and MATH 1115 or higher	3
	HLCA 1100	Medical Terminology			3
					18
Junior First Semester	BIOL 3380	Genetics	*	BIOL 1105, 1106, CHEM 1106, 1113	4
	BIOL 4495 OR	Problems in Biol. Science OR		Instructor Consent	
	CHEM 4403	Independent Research		Instructor Consent	2
	PSYC 1101	Introduction to Psychology I			3
	CHEM 2205	Analytical Chemistry	*	CHEM 1106, 1113	4
Specialization			Select from 8 choices.	3	
					16
Junior Second Semester	BIOL 3390	Molecular Biotechnology	**	BIOL 3380, CHEM 2201, MATH 1185 or 1190	4
	CRJU 3300	Criminalistics	**	CRJU 2236	3
	INTR 3300	Forensic Criminalistics lab	**	PHYS 1102 or 1106, CHEM 1106, BIOL 1106, ^	1
	CHEM 2215	Intermed. Instrum. Analysis	**	CHEM 1106, 1113	4
	L.S.			See Liberal Studies Requirements	3
	L.S.			See Liberal Studies Requirements	3
					18
Senior First Semester	INTR 4411	Forensic Science Internship	*	INTR 3300	2
	PSYC 3330	Developmental Psychology		PSYC 1101	3
	NBAN 205 OR	Human Anatomy		online, WVU course, see Pre-PT advisor	
	ATTR 219	Gross Anatomy		online, WVU course, see Pre-PT advisor	3
	L.S.			See Liberal Studies Requirements	3
	L.S.			See Liberal Studies Requirements	3
Specialization			Select from 8 choices.	4	
					18
Senior Second Semester	INTR 4401	Capstone Sem. in For. Sci.	**	BIOL 3390, CHEM 2215, CRJU 3300 or approval	3
	PSIO 241 OR	Elementary Physiology		WVU course, see Pre-PT advisor	
	PSIO 441	Mechanisms of Body Function		WVU course, see Pre-PT advisor	4
	BIOL 3360	Biochemistry	**	CHEM 2202 and MATH 1185 or 1190	4
	Specialization			Select from 8 choices.	2
L.S.			See Liberal Studies Requirements	3	
					16

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See catalog for updates.

Total Credits

*****140**

***Note: Students should start in the first semester with the highest math course they can place into, which may be Trigonometry (ACT Math 23), Applied Calculus I (ACT Math 24) or Calculus I (ACT Math 25). Total hours are higher than 128 because this model schedule shows prerequisite math courses that are not program requirements but are required if the Math ACT score is less than 24. Math ACT requirements may be satisfied by COMPASS score equivalents. This model schedule also shows pre-physical therapy course requirements that are not forensic science program requirements.

Specialization electives must be chosen from an approved list.

LEGEND

^	See catalog or program requirements for further details
*	Offered fall semester only
**	Offered spring semester only
c	Classes to be taken concurrently
#	Must have senior standing to enroll
##	Must have junior or senior standing to enroll
m	Major restriction
+	See catalog for additional prerequisites
a	Advisor approval needed
PPST	PPST must be successfully completed to enroll
/	or
~	First semester second field option is foreign language
>	Even-numbered fall semesters only
<	Odd-numbered spring semesters only
L.S. Art.	Liberal Studies--Artistic/Creative/Interdisciplinary Elective
L.S. Civ.	Liberal Studies--Culture/Civilization Exploration Elective
L.S. Hum.	Liberal Studies--Society/Human Interaction elective
L.S. Science	Liberal Studies--Scientific Discovery elective
L.S. Math	Liberal Studies--College-level Math elective
L.S. FYE	First-Year Experience course

Forensic Science

Bachelor of Science Degree Requirements
Program Effective Fall 2007 – Catalog Year 2007-2008



FAIRMONT STATE

Name: _____

Minor: Chemistry

Pre-physical therapy requirements in yellow.

REQUIRED MAJOR COURSES (87 hours)						
CHEMISTRY COURSES (29 hours)		HRS	GR		HRS	GR
CHEM 1105 Chemical Principles I		5		CHEM 2202 Organic Chemistry II	4	
CHEM 1106 Chemical Principles II		4		CHEM 2205 Analytical Chemistry	4	
CHEM 1113 Pract. Sci. Statistics		1		CHEM 2215 Int. Instrumental Analysis	4	
CHEM 2201 Organic Chemistry I		4		CHEM 2225 Forens. Microsc. & Spectro	3	
PHYSICS COURSES (8-10 hours; take one 2-semester sequence)						
PHYS 1101 Introduction to Physics I		4				
PHYS 1102 Introduction to Physics II		4				
OR						
PHYS 1105 Principles of Physics I		5				
PHYS 1106 Principles of Physics II		5				
MATH COURSES (8 hours)						
MATH 1185 Applied Calculus I		4		MATH 1113 Applied Statistics	4	
OR						
MATH 1190 Calculus I		4				
BIOLOGY COURSES (16 hours)						
BIOL 1106 Biological Principles II		4		BIOL 3380 Genetics	4	
BIOL 3360 Biochemistry		4		BIOL 3390 Molecular Biotechnology	4	
CRIMINAL JUSTICE COURSES (9 hours)						
CRJU 1100 Intro. to Criminal Justice		3		CRJU 3300 Criminalistics	3	
CRJU 2236 Criminal Investigation		3				
INTERDISCIPLINARY or RESEARCH COURSES (8 hours)						
INTR 3300 Forensic Criminalistics Lab		1		INTR 4411 Forensic Science Internship	2	
INTR 4401 Seminar in Forensic Science		3		BIOL 4495 Problems in Biol. Science or CHEM 4403 Independent Research	2	
SPECIALIZATION ELECTIVES (choose 9 hours from the list below; no more than 6 hours may be CRJU courses)						
BIOL 2224 Microbiology		4		CRJU 2226 Crime Scene Investigation	3	
CHEM 3301 Physical Chemistry I		4		CRJU 2246 Criminal Evidence	3	
CHEM 3302 Physical Chemistry II		4		CRJU 2256 Homicide Investigation	3	
CHEM 4405 Advanced Integrated Lab		1-2		CRJU 3320 Criminology	3	
Recommended Biotechnology Area of Emphasis (9 hours)						
CHEM 3301 Physical Chemistry I		4		BIOL 1105 Biological Principles I	4	
CHEM 4405 Adv. Integrated Laboratory		1				
FORENSIC SCIENCE MAJOR: ADDITIONAL LIBERAL STUDIES REQUIREMENTS (33 hours) (Please refer to liberal studies requirement sheet for specified classes under each category)						
	Hours	Completed		Hours	Completed	
The First Year Experience (Math met by major requirements)	12		Society /Human Interactions	3		
Scientific Discovery (met by major requirements)	8	X	Artistic/Creative Expression & Interdisciplinary/Advanced Studies Option	3		
Cultural/Civilization Exploration	9		PSYC 1101 and 3330	6		
FREE ELECTIVES						
NBAN 205 Human Anatomy (WVU) or ATTR 219 Gross Anatomy (WVU)	3		PSIO 241 Human Physiology (WVU) or PSIO 441 Mechanisms of Body Function (WVU)	4		
HLCA 1100 Medical Terminology	3					