

# FORENSIC SCIENCE, B.S.

**Begin Campus:** Any Penn State Campus

**End Campus:** University Park

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2023-24 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

### Forensic Molecular Biology Option: Forensic Science, B.S. at University Park Campus

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#### First Year

Fall	Credits Spring	Credits
CHEM 110 <sup>*#†</sup>	3 CHEM 112 <sup>*#†</sup>	3
CHEM 111 <sup>*#†</sup>	1 CHEM 113 <sup>*†</sup>	1
MATH 140 <sup>*†#†</sup>	4 MATH 141 <sup>*††</sup>	4
PSU 16	1 FRNSC 100 <sup>*</sup>	3
CRIM 100 <sup>*</sup>	3 General Education Course	3
ENGL 15, 30H, or ESL 15 <sup>‡</sup>	3	
	<b>15</b>	<b>14</b>

#### Second Year

Fall	Credits Spring	Credits
CHEM 210 <sup>*</sup>	3 CHEM 212 <sup>*</sup>	3
BMB 251 <sup>*</sup>	3 CHEM 213 <sup>*</sup>	2
PHYS 211 (consult with an academic adviser for alternative options) <sup>*†</sup>	4 MICRB 201 <sup>*</sup>	3
FRNSC 210 <sup>*#</sup>	3 MICRB 202 <sup>*</sup>	2
General Education Course	3 STAT 250 (consult an academic adviser for alternative options) <sup>*</sup>	3
	PHYS 212 (consult with an academic adviser for alternative options) <sup>*†</sup>	4
	<b>16</b>	<b>17</b>

#### Third Year

Fall	Credits Spring	Credits
BIOL 222 (consult with an academic adviser for alternative options) <sup>*</sup>	3 BMB 401 <sup>*</sup>	3
FRNSC 410 <sup>*</sup>	2 FRNSC 411 <sup>*</sup>	3
FRNSC 413 <sup>†</sup>	3 FRNSC 415W <sup>*</sup>	2

CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>‡</sup>	3 PHIL 132 (consult an academic adviser for alternative options) <sup>*†</sup>	3
General Education Course	3 ENGL 202C, 202A, 202B, or 202D	3
	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>14</b>	<b>17</b>

#### Fourth Year

Fall	Credits Spring	Credits
BMB 400 <sup>*</sup>	3 FRNSC 485W <sup>*</sup>	4
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3 FRNSC 475 <sup>*</sup>	1
General Education Course	3 Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
General Education Course	3 FRNSC 421 <sup>*</sup>	4
BMB 442 <sup>*</sup>	3 General Education Course	3
FRNSC 400	1 Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>16</b>	<b>18</b>

#### Total Credits 127

- \* Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

#### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.

## Forensic Molecular Biology Option: Forensic Science, B.S. at Commonwealth Campuses

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

### First Year

Fall	Credits	Spring	Credits
CHEM 110 <sup>*#†</sup>	3	CHEM 112 <sup>*#†</sup>	3
CHEM 111 <sup>*#†</sup>	1	CHEM 113 <sup>*†</sup>	1
MATH 140 <sup>*†#†</sup>	4	MATH 141 <sup>*††</sup>	4
PSU 16	1	FRNSC 100 <sup>*</sup>	3
CRIM 100 <sup>*</sup>	3	General Education Course	3
ENGL 15, 30H, or ESL 15 <sup>‡</sup>	3		
	<b>15</b>		<b>14</b>

### Second Year

Fall	Credits	Spring	Credits
CHEM 210 <sup>*</sup>	3	CHEM 212 <sup>*</sup>	3
BIOL 110 <sup>*</sup>	3	CHEM 213 <sup>*</sup>	2
PHYS 250 (consult with an academic adviser for alternative options) <sup>*†</sup>	4	BIOL 230W <sup>*</sup>	4
FRNSC 210 <sup>*#</sup>	3	STAT 250 (consult an academic adviser for alternative options) <sup>*</sup>	3
General Education Course	3	PHYS 251 (consult with an academic adviser for alternative options) <sup>*†</sup>	4
	<b>16</b>		<b>16</b>

### Third Year

Fall	Credits	Spring	Credits
BIOL 222 (consult with an academic adviser for alternative options) <sup>*</sup>	3	BMB 401 <sup>*</sup>	3
FRNSC 410 <sup>*</sup>	2	FRNSC 411 <sup>*</sup>	3
FRNSC 413 <sup>†</sup>	3	FRNSC 415W <sup>*</sup>	2
CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>‡</sup>	3	PHIL 132 (consult an academic adviser for alternative options) <sup>*†</sup>	3
General Education Course	3	ENGL 202C, 202A, 202B, or 202D	3
		Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>14</b>		<b>17</b>

### Fourth Year

Fall	Credits	Spring	Credits
BMB 400 <sup>*</sup>	3	FRNSC 485W <sup>*</sup>	4
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3	FRNSC 475 <sup>*</sup>	1

General Education Course	3	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
General Education Course	3	FRNSC 421 <sup>*</sup>	4
BMB 442 <sup>*</sup>	3	General Education Course	3
FRNSC 400	1	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>16</b>		<b>18</b>

### Total Credits 126

\* Course requires a grade of C or better for the major

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## Forensic Molecular Biology Option (MATH 22): Forensic Science, B.S. at University Park Campus

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### First Year

Fall	Credits Spring	Credits Summer	Credits
MATH 22 <sup>*†‡</sup>	3 CHEM 110 <sup>*#†</sup>	3 CHEM 112 <sup>*#†</sup>	3
MATH 26	3 CHEM 111 <sup>*#†</sup>	1 CHEM 113 <sup>*†</sup>	1
PSU 16	1 MATH 140 <sup>*††</sup>	4 MATH 141 <sup>*†#†</sup>	4
CRIM 100 <sup>*</sup>	3 FRNSC 100 <sup>*</sup>	3	
ENGL 15, 30H, or ESL 15 <sup>†</sup>	3 General Education Course	3	
General Education Course	3		
	<b>16</b>	<b>14</b>	<b>8</b>

### Second Year

Fall	Credits Spring	Credits
CHEM 210 <sup>*</sup>	3 CHEM 212 <sup>*</sup>	3
BMB 251 <sup>*</sup>	3 CHEM 213 <sup>*</sup>	2
PHYS 211 (consult with an academic adviser for alternative options) <sup>*†</sup>	4 MICRB 201 <sup>*</sup>	3
FRNSC 210 <sup>*#</sup>	3 MICRB 202 <sup>*</sup>	2
General Education Course	3 STAT 250 (consult an academic adviser for alternative options) <sup>*</sup>	3
	PHYS 212 (consult with an academic adviser for alternative options) <sup>*†</sup>	4
	<b>16</b>	<b>17</b>

### Third Year

Fall	Credits Spring	Credits
BIOL 222 (consult with an academic adviser for alternative options) <sup>*</sup>	3 BMB 401 <sup>*</sup>	3
FRNSC 410 <sup>*</sup>	2 FRNSC 411 <sup>*</sup>	3
FRNSC 413 <sup>†</sup>	3 FRNSC 415W <sup>*</sup>	2

CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>‡</sup>	3 PHIL 132 (consult an academic adviser for alternative options) <sup>*†</sup>	3
General Education Course	3 ENGL 202C, 202A, 202B, or 202D	3
	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>14</b>	<b>17</b>

### Fourth Year

Fall	Credits Spring	Credits
BMB 400 <sup>*</sup>	3 FRNSC 485W <sup>*</sup>	4
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3 FRNSC 475 <sup>*</sup>	1
General Education Course	3 Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
General Education Course	3 FRNSC 421 <sup>*</sup>	4
BMB 442 <sup>*</sup>	3 Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
FRNSC 400	1	
	<b>16</b>	<b>15</b>

### Total Credits 133

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## Forensic Chemistry Option: Forensic Science, B.S. at University Park Campus

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### First Year

Fall	Credits	Spring	Credits
CHEM 110 <sup>*#†</sup>	3	CHEM 112 <sup>*#†</sup>	3
CHEM 111 <sup>*#†</sup>	1	CHEM 113 <sup>*†</sup>	1
MATH 140 <sup>*†#†</sup>	4	MATH 141 <sup>*††</sup>	4
PSU 16	1	FRNSC 100 <sup>*</sup>	3
CRIM 100 <sup>*</sup>	3	General Education Course	3
ENGL 15, 30H, or ESL 15 <sup>‡</sup>	3	General Education Course	3
	<b>15</b>		<b>17</b>

### Second Year

Fall	Credits	Spring	Credits
CHEM 210 <sup>*</sup>	3	CHEM 212 <sup>*</sup>	3
FRNSC 210 <sup>*#</sup>	3	CHEM 213 <sup>*</sup>	2
PHYS 211 <sup>*†</sup>	4	STAT 250 (consult with an academic adviser for alternative options) <sup>*</sup>	3
General Education Course	3	PHYS 212 (consult with an academic adviser for alternative options) <sup>*†</sup>	4
BIOL 110 <sup>*†</sup>	4	BIOL 230W <sup>*</sup>	4
	<b>17</b>		<b>16</b>

### Third Year

Fall	Credits	Spring	Credits
CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>‡</sup>	3	PHIL 132 (consult with an academic adviser for alternative options) <sup>*†</sup>	3
CHEM 227 <sup>*</sup>	4	FRNSC 413 <sup>*</sup>	3
FRNSC 411 <sup>*</sup>	3	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3	General Education Course	3
FRNSC 410 <sup>*</sup>	2	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>15</b>		<b>15</b>

### Fourth Year

Fall	Credits	Spring	Credits
General Education Course	3	FRNSC 485W <sup>*</sup>	4
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3	FRNSC 475 <sup>*</sup>	1
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3	General Education Course	3

FRNSC 400 <sup>*</sup>	1 ENGL 202C, 202A, 202B, or 202D <sup>‡</sup>	3
FRNSC 415W <sup>*</sup>	2 FRNSC 427 <sup>*</sup>	4
CHEM 425W <sup>*</sup>	4	
	<b>16</b>	<b>15</b>

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## Forensic Chemistry Option: Forensic Science, B.S. at Commonwealth Campuses

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### First Year

Fall	Credits	Spring	Credits
CHEM 110 <sup>*#†</sup>	3	CHEM 112 <sup>*#†</sup>	3
CHEM 111 <sup>*#†</sup>	1	CHEM 113 <sup>*†</sup>	1
MATH 140 <sup>*†#†</sup>	4	MATH 141 <sup>*††</sup>	4
PSU 16	1	FRNSC 100 <sup>*</sup>	3
CRIM 100 <sup>*</sup>	3	General Education Course	3
ENGL 15, 30H, or ESL 15 <sup>‡</sup>	3	General Education Course	3
	<b>15</b>		<b>17</b>

### Second Year

Fall	Credits	Spring	Credits
CHEM 210 <sup>*</sup>	3	CHEM 212 <sup>*</sup>	3
FRNSC 210 <sup>*#</sup>	3	CHEM 213 <sup>*</sup>	2
PHYS 250 <sup>*†</sup>	4	STAT 250 (consult with an academic adviser for alternative options) <sup>*</sup>	3
General Education Course	3	PHYS 251 (consult with an academic adviser for alternative options) <sup>*†</sup>	4
BIOL 110 <sup>*†</sup>	4	BIOL 230W <sup>*</sup>	4
	<b>17</b>		<b>16</b>

### Third Year

Fall	Credits	Spring	Credits
CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>‡</sup>	3	PHIL 132 (consult with an academic adviser for alternative options) <sup>*†</sup>	3
CHEM 227 <sup>*</sup>	4	FRNSC 413 <sup>*</sup>	3
FRNSC 411 <sup>*</sup>	3	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3	General Education Course	3
FRNSC 410 <sup>*</sup>	2	Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>15</b>		<b>15</b>

### Fourth Year

Fall	Credits	Spring	Credits
General Education Course	3	FRNSC 485W <sup>*</sup>	4
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3	FRNSC 475 <sup>*</sup>	1
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3	General Education Course	3

FRNSC 400 <sup>*</sup>	1 ENGL 202C, 202A, 202B, or 202D <sup>‡</sup>	3
FRNSC 415W <sup>*</sup>	2 FRNSC 427 <sup>*</sup>	4
CHEM 425W <sup>*</sup>	4	
	<b>16</b>	<b>15</b>

### Total Credits 126

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## Forensic Chemistry Option (MATH 22): Forensic Science, B.S. at University Park Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

### First Year

Fall	Credits Spring	Credits Summer	Credits
MATH 22 <sup>*†‡†</sup>	3 CHEM 110 <sup>*#†</sup>	3 CHEM 112 <sup>*#†</sup>	3
MATH 26	3 CHEM 111 <sup>*#†</sup>	1 CHEM 113 <sup>*†</sup>	1
PSU 16	1 MATH 140 <sup>*††</sup>	4 MATH 141 <sup>*†#†</sup>	4
CRIM 100 <sup>*</sup>	3 FRNSC 100 <sup>*</sup>	3	
ENGL 15, 30H, or ESL 15 <sup>†</sup>	3 General Education Course	3	
General Education Course	3		
	<b>16</b>	<b>14</b>	<b>8</b>

### Second Year

Fall	Credits Spring	Credits
CHEM 210 <sup>*</sup>	3 CHEM 212 <sup>*</sup>	3
FRNSC 210 <sup>*#</sup>	3 CHEM 213 <sup>*</sup>	2
PHYS 211 <sup>*†</sup>	4 STAT 250 (consult with an academic adviser for alternative options) <sup>*</sup>	3
General Education Course	3 PHYS 212 (consult with an academic adviser for alternative options) <sup>*†</sup>	4
BIOL 110 <sup>*†</sup>	4 BIOL 230W <sup>*</sup>	4
	<b>17</b>	<b>16</b>

### Third Year

Fall	Credits Spring	Credits
CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>†</sup>	3 PHIL 132 (consult with an academic adviser for alternative options) <sup>*†</sup>	3
CHEM 227 <sup>*</sup>	4 FRNSC 413 <sup>*</sup>	3
FRNSC 411 <sup>*</sup>	3 Supporting course (consult with an academic adviser for options) <sup>*</sup>	3

Supporting course (consult with an academic adviser for options) <sup>*</sup>	3 General Education Course	3
FRNSC 410 <sup>*</sup>	2 Supporting course (consult with an academic adviser for options) <sup>*</sup>	3
	<b>15</b>	<b>15</b>

### Fourth Year

Fall	Credits Spring	Credits
General Education Course	3 FRNSC 485W <sup>*</sup>	4
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3 FRNSC 475 <sup>*</sup>	1
Supporting course (consult with an academic adviser for options) <sup>*</sup>	3 General Education Course	3
FRNSC 400 <sup>*</sup>	1 ENGL 202C, 202A, 202B, or 202D <sup>†</sup>	3
FRNSC 415W <sup>*</sup>	2 FRNSC 427 <sup>*</sup>	4
CHEM 425W <sup>*</sup>	4	
	<b>16</b>	<b>15</b>

### Total Credits 132

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