

# PREMEDICINE, 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 2021-22 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 contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

### Premedicine, 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
BIOL 110 <sup>**†</sup>	4	BIOL 230W <sup>*#</sup>	4
CHEM 110 <sup>**†</sup>	3	CHEM 112 <sup>**†</sup>	3
CHEM 111 <sup>**†</sup>	1	CHEM 113 <sup>**†</sup>	1
ENGL 15, 30H, or ESL 15	3	MATH 141B or 141 <sup>*†#†</sup>	4
MATH 140B or 140 <sup>*†#†</sup>	4	PSYCH 100 <sup>†</sup>	3
PSU 16	1		
	<b>16</b>		<b>15</b>

#### Second Year

Fall	Credits	Spring	Credits
CHEM 210 <sup>**</sup>	3	BIOL 240W (consult with an advisor for alternative options)	4
HPA 101	3	CHEM 212 <sup>*</sup>	3
PHYS 211 <sup>*</sup>	4	PHYS 212 <sup>*</sup>	4
SOC 1 <sup>†</sup>	3	General Education Course	3
STAT 250 (consult with an advisor for alternative options)	3	Supporting course (consult with an academic advisor for options)	3
	<b>16</b>		<b>17</b>

#### Third Year

Fall	Credits	Spring	Credits
BMB 401 <sup>*</sup>	3	BIOL 472 (consult with an advisor for alternative options) <sup>*</sup>	3
CHEM 213W <sup>*</sup>	2	BIOL 473 (consult with an advisor for alternative options)	2
PHIL 432	3	BMB 402 (consult with an advisor for alternative options) <sup>*</sup>	3
PHYS 213 <sup>*</sup>	2	NUTR 251 <sup>*†</sup>	3

PHYS 214 <sup>*</sup>	2	ENGL 202C, 202A, 202B, or 202D <sup>‡</sup>	3
General Education Course	3		
	<b>15</b>		<b>14</b>

#### Fourth Year

Fall	Credits	Spring	Credits
CAS 100A, 100B, or 100C <sup>‡</sup>	3	General Education Course	3
General Education Course	3	World Language Level 2 (consult with an academic adviser for options)	4
Supporting course (consult with an academic adviser for options)	3	Supporting course (consult with an academic adviser for options)	3
Supporting course (consult with an academic adviser for options)	1	Supporting course (consult with an academic adviser for options)	3
World Language Level 1 (consult with an academic adviser for options)	4	400 - Level Supporting/ Elective Course (consult with an academic adviser for options)	3
400 - Level Supporting/ Elective Course (consult with an academic adviser for options)	3		
	<b>17</b>		<b>16</b>

#### Total Credits 126

- \* 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 University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

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 replace both ENGL 30H and CAS 100. Each course is 3 credits.

Foreign language proficiency must be demonstrated to the level of the second semester; if fewer than 8 credits are needed to reach the required

proficiency, students choose electives from the Program list to total 8 credits.

## Premedicine, 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
BIOL 110 <sup>*#†</sup>	4	CHEM 112 <sup>*†##</sup>	3
CHEM 110 <sup>*†##</sup>	3	CHEM 113 <sup>*†##</sup>	1
CHEM 111 <sup>*#†</sup>	1	MATH 141B or 141 <sup>*†##</sup>	4
ENGL 15, 30H, or ESL 15 <sup>†</sup>	3	PSYCH 100 <sup>†</sup>	3
MATH 140B or 140 <sup>*†##</sup>	4	PHYS 211 <sup>*</sup>	4
PSU 16	1		
	<b>16</b>		<b>15</b>

### Second Year

Fall	Credits	Spring	Credits
BIOL 230W <sup>*#</sup>	4	BIOL 240W (consult with an adviser for alternative options)	4
CHEM 210 <sup>*#</sup>	3	CHEM 212 <sup>*</sup>	3
HPA 101	3	CHEM 213W <sup>*</sup>	2
PHYS 212 <sup>*</sup>	4	PHYS 213 <sup>*</sup>	2
SOC 1 <sup>†</sup>	3	PHYS 214 <sup>*</sup>	2
		General Education Course	3
	<b>17</b>		<b>16</b>

### Third Year

Fall	Credits	Spring	Credits
BMB 401 <sup>*</sup>	3	BIOL 472 (consult with an adviser for alternative options) <sup>*</sup>	3
PHIL 432	3	BIOL 473 (consult with an adviser for alternative options) <sup>*</sup>	2
STAT 250	3	BMB 402 (consult with an adviser for alternative options) <sup>*</sup>	3
General Education Course	3	NUTR 251 <sup>†</sup>	3
Supporting course (consult with an academic adviser for options)	3	ENGL 202C, 202A, 202B, or 202D <sup>†</sup>	3
	<b>15</b>		<b>14</b>

### Fourth Year

Fall	Credits	Spring	Credits
CAS 100 <sup>†</sup>	3	General Education Course	3
General Education Course	3	400 - Level Supporting/ Elective Course (consult with an academic adviser for options)	3
World Language Level 1 (consult with an academic adviser for options)	4	World Language Level 2 (consult with an academic adviser for options)	4

400 - Level Supporting/ Elective Course (consult with an academic adviser for options)	3	Supporting course (consult with an academic adviser for options)	3
Supporting course (consult with an academic adviser for options)	3	Supporting course (consult with an academic adviser for options)	3
Supporting course (consult with an academic adviser for options)	1		
	<b>17</b>		<b>16</b>

### Total Credits 126

- \* 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 University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

Foreign language proficiency must be demonstrated to the level of the second semester; if fewer than 8 credits are needed to reach the required proficiency, students choose Supporting Course to total 8 credits.

## ALEKS Placement into MATH 22: Premedicine, 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
BIOL 110	4 BIOL 230W	4
SOC 1	3 STAT 200	4
ENGL 15	3 MATH 26	3
MATH 22	3 PSYCH 100	3
PSU 16	1	
	<b>14</b>	<b>14</b>

### Second Year

Fall	Credits Spring	Credits
CHEM 110 & CHEM 111	4 BIOL 240W	4
HPA 101	3 CHEM 112 & CHEM 113	4
PHYS 211	4 PHYS 212	4
MATH 140	4 MATH 141	4
	<b>15</b>	<b>16</b>

### Third Year

Fall	Credits Spring	Credits
CHEM 210	3 BIOL 472	3
PHIL 432	3 BIOL 473	2
PHYS 213	2 CHEM 212 & CHEM 213W	5
PHYS 214	2 NUTR 251	3
General Education Course	3 ENGL 202	3
General Education Course	3	
	<b>16</b>	<b>16</b>

### Fourth Year

Fall	Credits Spring	Credits
CAS 100	3 General Education Course	3
General Education Course	3 World Language 2 Course	4
Supporting Course	3 Supporting Course	3
BMB 401	3 BMB 402	3
World Language 1 Course	4 400-Level Supporting/ Elective Course	3
400-Level Supporting/ Elective Course	3	
	<b>19</b>	<b>16</b>

**Total Credits 126**

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

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 replace both ENGL 30H and CAS 100. Each course is 3 credits.

- \* 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

## Premedicine, B.S./MBA 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
BIOL 110	4	CHEM 112	3
CHEM 110	3	CHEM 111	1
MATH 140	4	MATH 141	4
ENGL 15	3	Life Science Option/Writing Across the Curriculum	3
PSU 16	1	ECON 102	3
		General Education Course (GHW)	1.5
<b>15</b>		<b>15.5</b>	

### Second Year

Fall	Credits	Spring	Credits	Summer	Credits
PHYS 250	4	PHYS 251	4	SC 295	2
Other Science	3	STAT 250	3		
ECON 104	3	Other Science	3		
CMPSC 203	4	ACCTG 211	4		
CHEM 113	1				
General Education Course (GHW)	1.5				
<b>16.5</b>		<b>14</b>		<b>2</b>	

### Third Year

Fall	Credits	Spring	Credits	Summer	Credits
World Language Level 1	4	SC 395	3	SC 495	2
400 Science	3	ENGL 202A	3		
General Education Course	3				
400 Science	3				
<b>13</b>		<b>6</b>		<b>2</b>	

### Fourth Year

Fall	Credits	Spring	Credits
General Education Course	3	General Education Course	3
General Education Course	3	Supporting Course	3
World Language Level 2	4	CAS 100	3
400 Science	3	Supporting Course	3

Supporting Course	3	
<b>16</b>		<b>12</b>

### Fifth Year

Fall	Credits
BA 533	2
BA 511	2
BA 515	2
BA 531	2
BA 501	2
BA 512	2
<b>12</b>	

### Total Credits 124

- \* 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 University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

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 replace both ENGL 30H and CAS 100. Each course is 3 credits.