

# IMMUNOLOGY AND INFECTIOUS DISEASE, 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*).

### Immunology and Infectious Disease, B.S. at University Park Campus and Altoona 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
VBSC 50 (or First Year Seminar)	3 ENGL 15, 30H, or ESL 15 <sup>††</sup>	3
BIOL 110 <sup>*#†</sup>	4 BIOL 220W or 240W <sup>*#</sup>	4
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
General Education Course	3 General Education Course	3
	<b>18</b>	<b>18</b>

#### Second Year

Fall	Credits Spring	Credits
BIOL 230W <sup>*#</sup>	4 VBSC 211 <sup>*</sup>	3
PHYS 250	4 PHYS 251	4
CHEM 210	3 CHEM 212	3
CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>††</sup>	3 CHEM 213	2
General Education Course (GHW)	1.5 MICRB 201 <sup>*</sup>	3
	<b>15.5</b>	<b>15</b>

#### Third Year

Fall	Credits Spring	Credits
BMB 401 <sup>*</sup>	3 BMB 402 <sup>*</sup>	3
MICRB 410 <sup>*</sup>	3 VBSC 444 or HPA 440 <sup>*</sup>	3
STAT 240, 200, or 250	3-4 ENGL 202C <sup>††</sup>	3
MICRB 202 <sup>*</sup>	2 Elective or Supporting Course	3
Supporting Course 400-level <sup>*</sup>	3 General Education Course	3

	General Education Course (GHW)	1.5
	<b>14-15</b>	<b>16.5</b>
<b>Fourth Year</b>		
Fall	Credits Spring	Credits
VBSC 435, 445, or 451 <sup>*</sup>	3 VBSC 418 <sup>*</sup>	2
VBSC 435, 445, or 451 <sup>*</sup>	3 VBSC 432 <sup>*</sup>	3
General Education Course	3 VBSC 448W	3
Supporting Course 400-level <sup>*</sup>	3 General Education Course	3
Elective or Supporting Course	3 Supporting Course 400-level <sup>*</sup>	3
	<b>15</b>	<b>14</b>

#### Total Credits 126-127

\* 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.

#### Advising Note:

**Electives and Supporting Courses** – Supporting courses are 400-level courses chosen from a department-approved list or approved by the Program Coordinator. Students must take 9 credits of supporting courses (all of which must have a grade of C or better). Elective credits may be used to earn a minor, usually commencing in the fifth semester. Please consult with your academic adviser for planning.

## Immunology and Infectious Disease, B.S. at Commonwealth Campuses (Except Altoona 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
First Year Seminar	1-3 ENGL 15, 30H, or ESL 15 <sup>††</sup>	3
BIOL 110 <sup>*#†</sup>	4 BIOL 220W <sup>*#</sup>	4
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
General Education Course	3 General Education Course	3
<b>16-18</b>		<b>18</b>

### Second Year

Fall	Credits Spring	Credits
BIOL 230W <sup>*#</sup>	4 PHYS 251	4
PHYS 250	4 BIOL 240W <sup>*#</sup>	4
CHEM 210	3 CHEM 212	3
CAS 100, CAS 100A, CAS 100B, or CAS 100C <sup>††</sup>	3 CHEM 213	2
General Education Course (GHW)	1.5 MICRB 201 <sup>*</sup>	3
General Education Course		1.5
<b>15.5</b>		<b>17.5</b>

### Third Year

Fall	Credits Spring	Credits
BMB 401 <sup>*</sup>	3 BMB 402 <sup>*</sup>	3
MICRB 410 <sup>*</sup>	3 VBSC 444 or HPA 440 <sup>*</sup>	3
STAT 240, 200, or 250	3-4 ENGL 202C <sup>††</sup>	3
MICRB 202 <sup>*</sup>	2 General Education Course	3
General Education Course	3 Supporting Course 400-level <sup>*</sup>	3
<b>14-15</b>		<b>15</b>

### Fourth Year

Fall	Credits Spring	Credits
VBSC 435, 445, or 451 <sup>*</sup>	3 VBSC 418 <sup>*</sup>	2
VBSC 435, 445, or 451 <sup>*</sup>	3 VBSC 432 <sup>*</sup>	3
General Education Course	3 VBSC 448W	3
Supporting Course 400-level <sup>*</sup>	3 Supporting Course 400-level <sup>*</sup>	3
Elective or Supporting Course	3 General Education Course	3
<b>15</b>		<b>14</b>

### Total Credits 125-128

† 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.

### Advising Note:

**Electives and Supporting Courses** – Supporting courses are 400-level courses chosen from a department-approved list or approved by the Program Coordinator. Students must take 9 credits of supporting courses (all of which must have a grade of C or better). Elective credits may be used to earn a minor, usually commencing in the fifth semester. Please consult with your academic adviser for planning.

\* 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