# PLANT SCIENCES, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

## **Degree Requirements**

For the Bachelor of Science degree in Plant Sciences, a minimum of 120 credits are required:

Requirement	Credits
General Education	45
Electives	0-13
Requirements for the Major	83-102

21-24 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 9 credits of GN courses; 6 credits of GQ courses; 3 credits of GS courses and 3 credits of GWS courses; plus 3 GH in Crop Production.

### **Requirements for the Major**

To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44).

#### **Common Requirements for the Major (All Options)**

Code	Title Cree	dits
Prescribed Cours	es	
BIOL 110	Biology: Basic Concepts and Biodiversity	4
CHEM 110	Chemical Principles I	3
CHEM 111	Experimental Chemistry I	1
ENT 313	Introduction to Entomology	2
PLANT 200	Introduction to Agricultural Crop Growth, Form, and Function	3
Prescribed Course	s: Require a grade of C or better	
AGECO 457	Principles of Integrated Pest Management	3
PLANT 461	Emerging Issues in Plant Sciences	3
SOILS 101	Introductory Soil Science	3
<b>Additional Course</b>	es	
ENT 314	Management of Insect Pests of Ornamentals	1
or ENT 316	Field Crops Entomology	
Select 3 credits for	rom the following:	3
AGBM 101	Economic Principles of Agribusiness Decision Making	
ECON 14	Principles of Economics	
ECON 102	Introductory Microeconomic Analysis and Policy	
ECON 104	Introductory Macroeconomic Analysis and Policy	
Select 1 credit fro	om the following:	1
AGECO 495	Agroecology Internship	
AGRO 495	Internship	
HORT 495	Internship	
HORT 496	Independent Studies	
Additional Courses	s: Require a grade of C or better	
ENGL 202C	Effective Writing: Technical Writing	3

or ENGL 202D	Effective Writing: Business Writing	
Select 3-5 credits	s from the following:	3-5
MATH 22	College Algebra With Analytic Geometry and Applications II	
MATH 26	Plane Trigonometry and Applications of Trigonometry	
MATH 40	Algebra, Trigonometry, and Analytic Geometry	
MATH 41	Trigonometry and Analytic Geometry	
MATH 110	Techniques of Calculus I	
MATH 111	Techniques of Calculus II	
MATH 140	Calculus With Analytic Geometry I	
MATH 141	Calculus with Analytic Geometry II	
MATH 141B	Calculus and Biology II	
Select 3-4 credits	s from the following:	3-4
STAT 200	Elementary Statistics	
STAT 240	Introduction to Biometry	
STAT 250	Introduction to Biostatistics	
Requirements for	r the Option	
Select an option		47-63
Requirements fo Agroecology Option	or the Option on (57-58 credits)	
Code		Credits
Prescribed Cours	•••	
AGECO 295	Agroecology Internship	1
AGECO/AGRO 138	Principles of Weed Management	4
PPEM 405	Microbe-Plant Interactions: Plant Disease and Biological Control	3
SOILS 102	Introductory Soil Science Laboratory	1
SOILS 401	Soil Composition and Physical Properties	3
SOILS 402	Soil Nutrient Behavior and Management	3
	es: Require a grade of C or better	
AGECO 201	Introductory Agroecology	3
Additional Course	••	
BIOL 222	Genetics	3
or HORT 407	Plant Breeding	
	rom the following:	3
AGECO/ METEO 122	Atmospheric Environment: Growing in the Wind	
AGECO 134		
AGECO 144	Principles and Practices of Organic Agriculture	
AGECO 154	Principles of Agronomic Field Operations	
AGECO 496	Independent Studies	
	rom the following:	3
AG 160	Introduction into Ethics and Issues in Agricultur	re
GEOG 30N	Environment and Society in a Changing World	
PHIL 13	Nature and Environment	
PHIL 103	Ethics	
PHIL 132/ BIOET 100	Bioethics	
		-
Select 6 credits f	-	6
Select 6 credits f AGRO 423 AGRO 425	rom the following:  Forage Crop Management  Field Crop Management	6

LIODT 000	Direct Decrease the		0.1	from the following	0.4
HORT 202	Plant Propagation			s from the following:	3-4
HORT 315	Environmental Effects on Horticultural Crops		SOILS 418	/ Nutrient Management in Agricultural Systems	
HORT 431	Small Fruit Culture		ANSC 201	Animal Science	
HORT 432	Deciduous Tree Fruits				
HORT 433	Vegetable Crops		GEOG 160	Mapping Our Changing World	
SOILS 418	Nutrient Management in Agricultural Systems		SOILS 450	Environmental Geographic Information Systems	0.4
	s from the following:	3-4		s from the following:	3-4
AGRO 410W	Physiology of Agricultural Crops		AGRO 410W	Physiology of Agricultural Crops	
HORT 412W	Post-Harvest Physiology		HORT 412W	Post-Harvest Physiology	
SOILS 412W	Soil Ecology		SOILS 412W	Soil Ecology	
Additional Course	es: Require a grade of C or better			s: Require a grade of C or better	
AGRO 28	Principles of Crop Management	3	AGRO 28	Principles of Crop Management	3
or HORT 101	Horticultural Science		or HORT 101	Horticultural Science	
Supporting Cour	ses and Related Areas			ses and Related Areas	
Select 18 credits	of supporting courses in consultation with advise	er 18	Select 9 credits of	of supporting courses in consultation with adviser	9
Crop Production (	Option (58-60 credits)		Horticulture Optio	on (51-54 credits)	
Code	• •	Credits	Code	Title C	Credits
Prescribed Cours	ses		Prescribed Cours	ses	
AGECO 295	Agroecology Internship	1	HORT 232	Horticultural Systematics	3
AGECO 429	Crop Scouting	2	HORT 402W	Plant Nutrition	3
AGECO/AGRO	Principles of Weed Management	4	HORT 407	Plant Breeding	3
438	1 morphes of Weed Management	7	HORT 445	Plant Ecology	3
AGRO 423	Forage Crop Management	3	HORT 455	Retail Horticulture Business Management	3
AGRO 425	Field Crop Management	3	Prescribed Course	es: Require a grade of C or better	
HORT 407	Plant Breeding	3	HORT 101	Horticultural Science	3
PPEM 405	Microbe-Plant Interactions: Plant Disease and	3	HORT 202	Plant Propagation	3
	Biological Control	· ·	HORT 315	Environmental Effects on Horticultural Crops	3
SOILS 102	Introductory Soil Science Laboratory	1	HORT 412W	Post-Harvest Physiology	3
SOILS 401	Soil Composition and Physical Properties	3	Additional Course		
SOILS 402	Soil Nutrient Behavior and Management	3	AGRO 438	Principles of Weed Management	3-4
Prescribed Course	es: Require a grade of C or better		or HORT 238	Turf and Ornamental Weed Control	0 1
AGECO 201	Introductory Agroecology	3	PPEM 300	Horticultural Crop Diseases	3
Additional Cours			or PPEM 405	Microbe-Plant Interactions: Plant Disease and	3
AGECO 154	Principles of Agronomic Field Operations	2	OFFI LIVE 403	Biological Control	
or SOILS 403	Soil Morphology Practicum		Select 3 credits f	rom the following:	3
	from the following:	3	HORT 131	Herbaceous Perennial and Annual Identification	
AG 160	Introduction into Ethics and Issues in Agricultur		HORT 137	Ornamental Plant Materials	
PHIL 13	Nature and Environment		HORT 138	Ornamental Plant Materials	
PHIL 103	Ethics		HORT 431	Small Fruit Culture 1	
PHIL 132/	Bioethics		HORT 432	Deciduous Tree Fruits <sup>1</sup>	
BIOET 100	Biocanos		HORT 433	Vegetable Crops <sup>1</sup>	
Select 3 credits f	from the following:	3		s from the following:	6-7
AGBM 102	Economics of the Food System		HORT 408	Landscape Plant Establishment and Maintenanc	
AGBM 106	Agribusiness Problem Solving		HORT 431	Small Fruit Culture	
AGBM 200	Introduction to Agricultural Business Manageme	ent	HORT 431	Deciduous Tree Fruits	
AGBM 407	Farm Planning and Financial Management				
	from the following:	3	HORT 433	Vegetable Crops	
AEE 201	Interpersonal Skills for Tomorrow's Leaders	3	HORT 453	Flower Crop Production and Management	0.10
AEE 360	Leadership Development for Small Groups			ts from the following:	9-10
AEE 360 AEE 460	Foundations in Leadership Development		AG 301	later to the street of the LD	
			AGBM 200	Introduction to Agricultural Business Manageme	nt
AEE 465	Leadership Practices: Power, Influences, and Impact		AGBM 407	Farm Planning and Financial Management	
	Impaot		BA 301	Finance	

BA 303	Marketing
BLAW 243	Legal Environment of Business
SPAN 1	Elementary Spanish I
SPAN 2	Elementary Spanish II
SPAN 3	Intermediate Spanish
SPAN 105	Elementary Spanish I for Students in the Agricultural Sciences

Students cannot use the same course more than once as an additional course

Code		redits
Prescribed Course	es	
AGRO 410W	Physiology of Agricultural Crops	4
AGRO/BIOTC 460	Advances and Applications of Plant Biotechnolog	gy 3
BIOL 222	Genetics	3
BMB 400	Molecular Biology of the Gene	2-3
CHEM 112	Chemical Principles II	3
CHEM 210	Organic Chemistry I	3
CHEM 212	Organic Chemistry II	3
HORT 407	Plant Breeding	3
HORT/BIOL/ BIOTC 459	Plant Tissue Culture and Biotechnology	3
PHYS 250	Introductory Physics I	4
Prescribed Courses	s: Require a grade of C or better	
PPEM 405	Microbe-Plant Interactions: Plant Disease and Biological Control	3
Additional Courses	s	
AGRO 28	Principles of Crop Management	3
or HORT 101	Horticultural Science	
CHEM 113	Experimental Chemistry II	1
or CHEM 113B	Experimental Chemistry IIBioscience	
Select 4-6 credits	from the following:	4-6
BIOL 230W	Biology: Molecules and Cells	
BIOL 240W	Biology: Function and Development of Organisms	3
BMB 211 & BMB 212	Elementary Biochemistry and Elementary Biochemistry Laboratory	
MICRB 201 & MICRB 202	Introductory Microbiology and Introductory Microbiology Laboratory	
MICRB 251/BM	IB 251 & MICRB 252/BMB 252	
Select 3-4 credits	from the following:	3-4
BIOL 414	Taxonomy of Seed Plants	
BIOL 427	Evolution	
BIOL 428	Population Genetics	
BIOL 436	Population Ecology and Global Climate Change	
BIOL 448	Ecology of Plant Reproduction	
ENT 420	Introduction to Population Dynamics	
HORT 445	Plant Ecology	
PPEM/BIOL 425	Biology of Fungi	

Select 2-3 credits from the following:

**Practical Bioinformatics** 

Methods in Biofermentations

**BIOL 439** 

BIOTC 479

	HORT 497	Special Topics	
	MCIBS 571	Current Issues in Biotechnology	
	MCIBS 593	Molecular Biology Laboratory	
S	elect 3-4 credits	from the following:	3-4
	ENT/VBSC 402W	Biology of Animal Parasites	
	ENT 410	Insect Structure and Function	
	PPEM 416	Plant Virology: Molecules to Populations	
	PPEM/BIOL 425	Biology of Fungi	
S	elect 3-4 credits	from the following:	3-4
	BIOL 407	Plant Developmental Anatomy	
	BIOL 424	Seeds of Change: The Uses of Plants	
	BIOL 441	Plant Physiology	
	HORT 402W	Plant Nutrition	
	HORT 412W	Post-Harvest Physiology	
	HORT 420		
	MCIBS 591	Ethics, Rigor, Reproducibility and Conduct of Research in the Life Sciences	
	PPEM 417W	Mechanisms of Bacterial Pathogenesis in Plants	
	PPEM/ERM 430	Air Pollution Impacts to Terrestrial Ecosystems	
S	elect 3 credits fr	om the following:	3
	AGRO 423	Forage Crop Management	
	AGRO 425	Field Crop Management	
	HORT 202	Plant Propagation	
	HORT 315	Environmental Effects on Horticultural Crops	
	HORT 431	Small Fruit Culture	
	HORT 432	Deciduous Tree Fruits	
	HORT 433	Vegetable Crops	
	SOILS/ AGECO/ANSC 418	Nutrient Management in Agricultural Systems	

### Plant Science Option (47-53 credits)

2-3

Code	Title	Credits	
Prescribed Course	es		
BIOL 222	Genetics	3	
CHEM 112	Chemical Principles II	3	
CHEM 210	Organic Chemistry I	3	
CHEM 212	Organic Chemistry II	3	
CHEM 213	Laboratory in Organic Chemistry	2	
PHYS 250	Introductory Physics I	4	
Prescribed Courses: Require a grade of C or better			
PPEM 405	Microbe-Plant Interactions: Plant Disease and Biological Control	3	
<b>Additional Course</b>	es		
AGRO 28	Principles of Crop Management	3	
or HORT 101	Horticultural Science		
CHEM 113	Experimental Chemistry II	1	
or CHEM 113B	Experimental Chemistry IIBioscience		
Select 4-6 credits	of the following:	4-6	
BMB 211 & BMB 212	Elementary Biochemistry and Elementary Biochemistry Laboratory		

	BIOL 230W	Biology: Molecules and Cells	
	BIOL 240W	Biology: Function and Development of Organisms	
	MICRB 201	Introductory Microbiology	
	& MICRB 202	and Introductory Microbiology Laboratory	
	MICRB 251	Molecular and Cell Biology I	
	MICRB 252	Molecular and Cell Biology II	
Se	elect 3-4 credits	of the following:	3-4
	BIOL 439	Practical Bioinformatics <sup>1</sup>	
	ENT 402W	Biology of Animal Parasites	
	ENT 410	Insect Structure and Function	
	PPEM 416	Plant Virology: Molecules to Populations	
	PPEM 417W	Mechanisms of Bacterial Pathogenesis in Plants <sup>1</sup>	
	PPEM 425	Biology of Fungi	
Se	elect 3-4 credits	of the following:	3-4
	BIOL 412	Ecology of Infectious Diseases	
	BIOL 414	Taxonomy of Seed Plants	
	BIOL 427	Evolution	
	BIOL 428	Population Genetics	
	BIOL 436	Population Ecology and Global Climate Change	
	BIOL 448	Ecology of Plant Reproduction	
	ENT/VBSC 402W	Biology of Animal Parasites	
	ENT 420	Introduction to Population Dynamics	
	HORT 445	Plant Ecology	
	PPEM 425	Biology of Fungi	
Se	elect 3 credits of	f the following:	3
	AGRO 460	Advances and Applications of Plant Biotechnology	
	BIOL 439	Practical Bioinformatics	
	2.02 .03		
	HORT 407	Plant Breeding <sup>1</sup>	
		Plant Breeding <sup>1</sup> Plant Tissue Culture and Biotechnology	
Se	HORT 407 HORT 459	Plant Tissue Culture and Biotechnology of the following:	6-7
Se	HORT 407 HORT 459	Plant Tissue Culture and Biotechnology	6-7
Se	HORT 407 HORT 459 elect 6-7 credits	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding 1	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W HORT 420	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding <sup>1</sup> Post-Harvest Physiology	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W HORT 420 PPEM 417W	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding <sup>1</sup> Post-Harvest Physiology Mechanisms of Bacterial Pathogenesis in Plants <sup>1</sup>	6-7
Se	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W HORT 420	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding <sup>1</sup> Post-Harvest Physiology	6-7
	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W HORT 420 PPEM 417W PPEM/ERM 430	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding <sup>1</sup> Post-Harvest Physiology Mechanisms of Bacterial Pathogenesis in Plants <sup>1</sup>	3-4
	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W HORT 420 PPEM 417W PPEM/ERM 430	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding <sup>1</sup> Post-Harvest Physiology  Mechanisms of Bacterial Pathogenesis in Plants <sup>1</sup> Air Pollution Impacts to Terrestrial Ecosystems of the following: Physiology of Agricultural Crops	
	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W HORT 420 PPEM 417W PPEM/ERM 430 elect 3-4 credits	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding <sup>1</sup> Post-Harvest Physiology  Mechanisms of Bacterial Pathogenesis in Plants <sup>1</sup> Air Pollution Impacts to Terrestrial Ecosystems of the following:	
	HORT 407 HORT 459 elect 6-7 credits AGRO 410W AGRO 460 BIOL 407 BIOL 441 BIOL 424 HORT 402W HORT 407 HORT 412W HORT 420 PPEM 417W PPEM/ERM 430 elect 3-4 credits AGRO 410W	Plant Tissue Culture and Biotechnology of the following: Physiology of Agricultural Crops Advances and Applications of Plant Biotechnology Plant Developmental Anatomy Plant Physiology Seeds of Change: The Uses of Plants Plant Nutrition Plant Breeding <sup>1</sup> Post-Harvest Physiology  Mechanisms of Bacterial Pathogenesis in Plants <sup>1</sup> Air Pollution Impacts to Terrestrial Ecosystems of the following: Physiology of Agricultural Crops	

Students cannot use the same course more than once as an additional course

#### **General Education**

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (https://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

# Foundations (grade of C or better is required and Inter-Domain courses do not meet this requirement.)

- · Quantification (GQ): 6 credits
- · Writing and Speaking (GWS): 9 credits

# Breadth in the Knowledge Domains (Inter-Domain courses do not meet this requirement.)

- · Arts (GA): 3 credits
- · Health and Wellness (GHW): 3 credits
- · Humanities (GH): 3 credits
- · Social and Behavioral Sciences (GS): 3 credits
- · Natural Sciences (GN): 3 credits

#### **Integrative Studies**

· Inter-Domain Courses (Inter-Domain): 6 credits

#### **Exploration**

- · GN, may be completed with Inter-Domain courses: 3 credits
- GA, GH, GN, GS, Inter-Domain courses. This may include 3 credits of World Language course work beyond the 12th credit level or the requirements for the student's degree program, whichever is higher: 6 credits

### **University Degree Requirements**

#### **First Year Engagement**

All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

#### **Cultures Requirement**

6 credits are required and may satisfy other requirements

- · United States Cultures: 3 credits
- · International Cultures: 3 credits

#### **Writing Across the Curriculum**

3 credits required from the college of graduation and likely prescribed as part of major requirements.

#### **Total Minimum Credits**

A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

#### **Quality of Work**

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

#### **Limitations on Source and Time for Credit Acquisition**

The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80)). For more information, check the Suggested Academic Plan for your intended program.