PennState
Undergraduate Education

SUMMER 2021
LEAP

Learning Edge Academic Program

LEAP into summer and breeze into your fall semester

LEAP

Learning Edge Academic Program

Every year, about 2,000 Penn State first-year students begin their college careers by enrolling during the Summer Session at the University Park campus.

About 1,400 of these students choose to take advantage of **LEAP,** a specially designed and unique learning experience sponsored by the Office for Summer Session in Undergraduate Education.

Now in its twenty-sixth year, **LEAP** gives students an early start to their Penn State experience. Research shows that **LEAP** students are more successful academically and socially than students who don't participate in the **LEAP** program.

OVERVIEW OF THE LEAP PROGRAM

WHO: LEAP is open to any first-year student offered admission to the University Park campus.

- Offered admission for the summer? Just follow the registration steps to sign up!
- Offered admission for the fall? Before you can sign up, you will need to contact Admissions and have your start term changed to summer. This change must be made by May 3, 2021. Once you have done so, you can follow the steps below to sign up!

WHAT: LEAP is a program that helps students transition into their first year by combining required coursework with opportunities to get to know other students, become familiar with University expectations, interact with Penn State faculty, and learn your way around campus. As part of LEAP, students take two courses (6 academic credits unless otherwise noted in the pride description) that will count toward their graduation requirements. The two courses are linked together to form what we call prides (because we are the Nittany Lions!). We cap each class at twenty-four students to keep the class size small. Each pride is also assigned a student mentor to answer questions, plan programs, and serve as a resource.

WHEN: LEAP takes place during Penn State's second six-week summer session. Move-in for summer 2021 is on Monday, June 28, 2021. Classes begin on Wednesday, June 30, 2021, and the program ends on Friday, August 13, 2021. There is one week between when the LEAP Program ends and when students move in for the Fall 2021 semester.

WHERE: LEAP students live on campus during the program and are housed together in the South Residence Hall area. Students who are from Centre County do not have to live on campus to participate in LEAP.

WHY: Penn State is a large research university with more than 45,000 undergraduate and graduate students at the University Park campus. The transition to learning in a new environment, making new friends, and being away from home can be a challenge. Enrolling in LEAP helps you transition into the first year by combining required coursework with opportunities to get to know other students, become familiar with University expectations, interact with Penn State faculty, and learn your way around campus. After completing LEAP, you will be ready to begin your fall semester with a level of confidence that will make your Penn State experience even more fulfilling.

HOW: Registration for the LEAP program opens on Monday, March 15, 2021, at 6:00 p.m. and closes on Monday, May 7, 2021, at 11:59 p.m. (*students who are admitted for a summer start who do not register for LEAP by May 7 can sign up at New Student Orientation as space allows*). Popular LEAP prides will fill very quickly. Act early to ensure a space in this exciting program. Follow the registration steps to enroll!

COVID-19 and LEAP

The health and safety of our students, faculty, staff, and community is at the forefront of our summer planning. Alongside these concerns, student, faculty, and staff interaction is an integral part of the LEAP experience. The circumstances surrounding the COVID-19 pandemic remain unpredictable at the time of our summer planning. We will offer students the option to select an in-person LEAP experience or a remote LEAP experience based upon their unique situation and preference. The mode of instruction for each pride is listed in this brochure and described in the table below. We will continue to monitor COVID-19 and communicate with program participants as we approach the summer should any plans change.

Instruction Method

In-Person: All class sessions will meet in person and students will be expected to attend class in person. Physical distancing and masks will be required in the classroom.

Remote: All class sessions will be held through video-based technology like Zoom at a specified time each day. Students are expected to be present at class and attendance is taken each day.

Mixed: Some class sessions will be held in person and some class sessions will be held online at the discretion of the course instructor. Students are required to attend class in person and online at the time assigned for the course.

If a student selects a pride that has an in-person or mixed course, they must live on campus (except for local students who live in Centre County). If students select a remote pride, they have the option of living at home or living on campus. More information will be released by May about how students who do not plan to live on campus should go about cancelling their summer housing contract.

LEAP programming will also occur both in-person and remote. In-person experiences will follow mask and physical distancing guidelines. Remote experiences will occur via remote technology like Zoom.

Please Note: *This publication has been printed in January 2021. Uncertainty remains around the COVID-19 pandemic and what the status of the pandemic will be in the summer of 2021. Penn State will keep the health and safety of students central to any decisions that are made about summer courses. It is possible that in-person courses could be changed to remote courses. If this were to happen, we would notify students in the LEAP program. For the most up-to-date information related to Penn State's response to COVID-19, visit virusinfo.psu.edu and keeplearning.psu.edu.*

LEAP Registration Steps

Step 1: Review the List of LEAP Prides

TIP: *Not sure how to choose a pride…see the sidebar on this page for guidance!*

Step 2: Accept your Offer of Admission

TIP: *If your offer of admission was for the fall 2021 semester, you'll need to contact*

Admissions to change your start term to summer by May 3, 2021, before you can complete LEAP registration.

Step 3: Sign up for a LEAP Pride Beginning March 15, 2020, at 6:00 p.m.

TIP: *The earlier you sign up, the more likely it is there will be a space in the pride you are interested in!*

- ☐ Go to **orientation.psu.edu/reservation** and log in using your PSU credentials
- ☐ Click the LEAP link in your student task list
- ☐ Select the LEAP pride you would like to sign up for and submit the selection

Step 4: Complete the Pre-Registration Guide for Summer 2021 in LionPATH

TIP: *Signing up (Step 3) reserves your space in your LEAP pride. Completing the Pre-Registration Activity Guide for summer 2021 in LionPATH allows us to officially enroll you in your LEAP courses. If you do not complete this step, we will get an error when we attempt to enroll you in your LEAP courses. This poses a risk of you losing your seat in your LEAP courses.*

- ☐ One business day after you sign up for a LEAP pride, log in to LionPATH at **lionpath.psu.edu** using your Penn State credentials.

  NOTE: *If the Pre-Registration Activity Guide is not showing in your to-do list, wait until evening and try again. If it is not showing two business days after you sign up, call or email the LEAP office and we will assist you.*

- ☐ Select Pre-Registration Activity Guide from your to-do list and complete the guide.

- ☐ **You must complete this step by May 10, 2021**.

Once you have completed all the steps above, the LEAP courses associated with the LEAP pride you sign up for will be displayed in your LionPATH Student Schedule by Monday, May 10, 2021.

All LEAP students must attend New Student Orientation (NSO) prior to the start of the summer session. You can begin to make your reservation for NSO in April. Watch your email for more information about NSO!

How do I select a LEAP pride?

Some LEAP prides help you fulfill a course in your intended major. All LEAP prides help you make progress toward your General Education requirements. Almost a third of the classes required for your degree will be outside your major.

All Penn State students complete 45 credits of General Education courses across seven domains: arts [GA], humanities [GH], social and behavioral sciences [GS], writing and speaking [GWS], quantification [GQ], natural sciences [GN], health and wellness [GHW], and integrative studies (signified with an N or Z in the course number). These courses are intended to broaden and enrich your education and can be used to explore areas of interest, to complement your major courses, and to help you integrate knowledge across interconnected contexts.

To see how the General Education requirements fit into the course of study for your intended major, visit **bulletins.psu.edu**, find your intended degree program, then open the suggested academic plan. Next, look for the General Education abbreviations in the brochure to see how each LEAP pride will help you make progress toward your degree.

If you are still unsure which LEAP pride to choose or want to further discuss your options, contact LEAP staff at **leap@psu.edu** or 814-863-4174 and we can assist you with your choice.

For more information about General Education, visit **gened.psu.edu**.

LISTING OF **LEAP** PRIDES

IN-PERSON **LEAP** PRIDES:

The LEAP prides listed in this section include at least one course that meets as an in-person or mixed mode course. Students who select one of these LEAP prides are required to live on campus and attend class in person. Students from Centre County can elect to live at home but are required to attend class in person.

Key to General Education Requirements

Requirement

FYS—FIRST-YEAR SEMINAR
GA—ARTS
GH—HUMANITIES
GHW—HEALTH AND WELLNESS
GN—NATURAL SCIENCES
GQ—QUANTIFICATION
GS—SOCIAL AND BEHAVIORAL SCIENCES
GWS—WRITING/SPEAKING
N—INTERDOMAIN INTEGRATIVE STUDIES
Z—LINKED INTEGRATIVE STUDIES

American Politics

Class 1: PLSC 001 (GS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

This pride provides an overview of American government and politics at the national level. In this course, we will first learn about the political institutions that comprise our political system. We will discuss their origins and the ways in which they structure our society. We then will transition into learning about the behavior of both the American mass public and political elites. We will discuss how everyday Americans make political decisions and how their elected representatives respond to the public's political sentiments.

Art and Mythology

Class 1: CAMS 45 (GH) *In Person*
Class 2: ARTH 100 (GA) *In Person*

In this pride, students will learn the myths of ancient Greece and Rome. These stories include the Olympian gods and goddesses (familiar to many from the Percy Jackson series), and the heroes of epics like Homer's *Iliad* and *Odyssey*. Students will explore both the most famous versions of these myths in the canonical texts of classical literature and interpretations of myth in art, music, theater, and literature from the classical era to the modern day. This course will be especially beneficial for those students interested in art history, cultural anthropology, gender theory, ancient civilizations, and world religions.

Business Problem Solving

Class 1: MIS 250 *In Person*
Class 2: ENGL 15 (GWS) *Remote*

Through this course, students will gain a well-rounded level of competency in the use of spreadsheet software as a tool. Students will develop problem-solving strategies while gaining insight on the tactical use of spreadsheets. Concepts are contextualized in a broader discussion of information systems management including data security, ethical issues, social media, distributed (cloud) services, and emerging trends. This is a required course for all majors in the Smeal College of Business.

There are five sections of the Business Problem Solving Pride: (1) Blue, (2) Lion, (3) Nittany, (4) Roar, and (5) State.

This pride is only open to students enrolled in the Smeal College of Business or the Division of Undergraduate Studies.

Business Seminar and Race, Ethnicity, and Culture

Class 1: SOC 119 (GS, GH) *Remote*
Class 2: BA 197 *In Person*
Class 3: PSU 6 (FYS) *In Person*

This pride is designed to both give students an introduction into their study in the Smeal College of Business through PSU 6 (1 credit) and BA 197 (1 credit) and to engage students in contemporary issues around race, ethnicity, and culture through SOC 119 (4 credits). Students will be able to understand the extent and pervasiveness of racial, ethnic, and cultural inequality and discrimination in the U.S. and explain how unequal systems impact different ancestry groups both in the U.S. and around the world. Students will be able to compare historical causes and consequences of sociological processes such as immigration, assimilation, and multiculturalism, and they will develop new ways of understanding how these processes are expressed in popular culture (e.g., art, music, literature) and intergroup dynamics. Students will be provided with intellectual tools to formulate more thoughtful questions and responses when they engage others in everyday discussions about the many racial, ethnic, and cultural factors and forces that pull people and groups together and push them apart. Students will also explore pathways to allow them to discover new ways to understand their own racial and ethnic place in the world and the history of their own families.

This pride is only open to students enrolled in the Smeal College of Business or the Division of Undergraduate Studies.

Chemistry Research Experience

Class 1: CHEM 297S (FYS) *In Person*
Class 2: CAS 100A (GWS) *Remote*

This lab-based pride is designed to introduce you to the process and practice of chemical research. The research will focus on the knowledge and application of two core concepts central to understanding compound's structure-reactivity relationship: polarity and pH. You will be required to think about structures of organic compounds as they relate to certain periodic trends and the connectiveness to these core concepts. You will be shown how these studies tie into the research projects of Dr. Xin Zhang, a chemical biologist at Penn State.

This pride is only available to students in the Eberly College of Science and the Division of Undergraduate Studies

Cybersecurity Lion

Class 1: CYBER 100S (FYS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

This pride provides an introduction to computer systems literacy. The history, architecture, and operation of computing systems and underlying computing theory are covered. The intent of this course is to ensure that students with diverse backgrounds can gain the information technology fundamental skills and understanding to succeed with subsequent in-depth courses in the Cybersecurity Analytics and Operations curriculum. At the same time, the general nature of the introduction may make it useful for other programs that involve education in concepts and skills relating to information and computing systems.

There are two sections of the Cybersecurity Pride: (1) Lion – In Person and (2) Nittany – Virtual. Students should enroll in one section.

Earth and Mineral Sciences

Class 1: EMSC 100S (GWS, FYS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

This pride is designed to encourage students to begin the important process of "'thinking for a living."' The primary focus of the seminar is to promote critical reading and thinking skills, and to help students develop effective written and oral arguments. We want our students to think about some of the major issues facing the world today, the role that science and technology have played in defining and addressing these issues, the way in which present-day thinking has been shaped by the past, and the development of scientific thought. The seminar's content focuses on communication skills, but these are addressed within the context of issues relevant to the disciplines represented in Earth and Mineral Sciences. EMSC 100S is a required course for all students in the College of Earth and Mineral Sciences.

Education in American Society

Class 1: EDTHP 115 *In Person*
Class 2: ENGL 15 (GWS) *Remote*

The goals of this pride are (1) to enable students to develop a multifaceted understanding of the social, historical, political, and philosophical contexts in which American teachers work, students are educated, and education policies are made, and (2) to enable students to gain a better understanding of contemporary educational issues that they might encounter. This understanding will provide the foundation for working within the American education system, especially its public schools.

Education: Learning and Instruction

Class 1: EDPSY 14 (GS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

The human mind has been considered one of the "last frontiers" of science. In this pride, students will learn the psychology underlying student and teacher academic behavior, motivation, assessment, and more. This course is designed around state-of-the-art research of human learning and behavior. Students are introduced to prolific theories of learning and effective instructional practice—including classroom management techniques, motivation, and assessment. Students pursuing education-related majors and/or professions centered on teaching, human development, or speech pathology will find this pride valuable.

Ethical Leadership

Class 1: PHIL 119 (GH) *Mixed*
Class 2: CAS 100A (GWS) *Remote*

Leaders, in whatever context, make difficult decisions, distribute scarce resources, direct and influence the conduct of others, and represent the goals of the enterprise they lead. Thus, they ought to exemplify prudence, fairness, integrity, honesty, trustworthiness, sincerity, and morally upright behavior. This pride investigates these concepts and the moral dilemmas that arise in developing or applying them. It also explores, philosophically as well as practically, the ways leaders might identify ethical challenges, analyze them, imagine possible solutions, and be motivated to do the right thing.

Ethics of Media

Class 1: PHIL 123 (GH) *Mixed*
Class 2: CAS 100A (GWS) *Remote*

This pride surveys the core philosophical questions connected with mass media: What is newsworthy? What is the whole story, and what makes it true? How ought media's form influence the power of its content? What authorizes journalists to interpret the facts? How much does individual self-understanding and social organization depend on media images and tropes? Does it make sense to speak of "the media" as a unified phenomenon? As we work to formulate and answer these questions, students will acquire ethical understanding, media literacy, and an appreciation for the role media plays in the formation of cultural expectations about knowledge, values, and technology.

Film Music

Class 1: MUSIC 4 (GA) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

This pride explores the role of music in narrative film. It is not a history of film music, although our approach will in some respects be historic. The purpose is for students to gain an understanding of the role of music in film, to observe various artistic approaches to the use of music in film, and to examine how music interacts with the other elements of sound—sound effects and dialogue—in an artistically unified sound track that, in turn, accompanies and interacts with the movie's visual component to create a compelling and satisfying work of art.

First Aid and CPR

Class 1: NURS 203 (GHW) *In Person*
Class 2: CAS 100A (GWS) *Remote*

NURS 203 is an introductory first aid course designed to provide the basic knowledge and skills to assist someone who is injured or ill. The course covers safety precautions of the responders including legal and ethical issues, teaches one-person CPR and airway obstruction, common injures resulting in bleeding and how to control bleeding, common medical emergencies, e.g. bleeding, water, ice, shock, thermal injuries. Heart attack, stroke and head injuries are a focus, and the proper way to transfer individuals with injuries. Environmental emergencies include disaster preparation, terrorism, and triage.

Fitness as Disease Prevention

Class 1: KINES 84Z (GHW) *Mixed*
Class 2: BMB 1Z (GN) *In Person*

In this pride, students make connections between disease and lifestyle through health, wellness, and biochemical and molecular changes. KINES 84Z is designed to give students a complete understanding of fundamental principles of physical fitness with an appreciation for disease prevention. In BMB 1Z, students will learn about the scientific process and how science has contributed to the knowledge used in the medical field to diagnose, treat, and prevent disease. Through this unique linked course pairing, students will satisfy the integrative studies General Education requirement.

Human-Centered Design

Class 1: HCDD 113S (FYS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

This pride provides a rigorous introduction to the theories, models, and tools that inform human-centered design and development. It lays the groundwork for subsequent courses in the sequence by examining the relationship between physical capabilities, cognitive and social models, and philosophical issues pertinent to human-centered analysis, design, and development work. The course is practice-based, which means that it instructs more abstract concepts through practical activities and practice-based inquiry. Students will learn how to apply cognitive models and philosophical concepts to real-world problems.

iLEAP

Class 1: ESL 15 (GWS) *In Person*
Class 2: CAS 100A (GWS) *Remote*

This pride is designed specifically for students whose first language is not English. ESL 15 is a first-year academic writing course which includes work in composition, oral presentations, library research, and full participation in the steps of the writing and research process: brainstorming, basic research,

drafting, peer review, revising, editing, and proofreading. Because the course is designed for international students, there is a strong focus on the expectations of American university instructors for time management, ethical writing, and class participation. ESL15 fulfills the first-year General Education (GWS) writing requirement.

There are three Sections of iLEAP, (1) Lion, (2) Nittany, and (3) Roar. Students should register for one section.

Language, Culture, and Society
Class 1: APLNG 200 (GH) *In Person*
Class 2: CAS 100A (GWS) *Remote*

Using the lens of applied linguistics, the pride explores how language and culture, language and society, and language and personal development interact.

Macroeconomics
Class 1: ECON 104 (GS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

Why are some countries rich and other countries poor? Is our national debt a problem? Why can't we just print a large amount of money to pay off the debt? Macroeconomics takes a "macro" view of economies, studying the big picture. Students will understand GDP, the unemployment rate, inflation, and economic growth. Fiscal and monetary policies are examined. Other topics include aggregate supply and demand, interest rates, and the Federal Reserve.

Mass Media

LION
Class 1: COMM 100N (GH, GS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

NITTANY
Class 1: COMM 100N (GH, GS) *In Person*
Class 2: CAS 100A (GWS) *Remote*

This pride examines mass communications in the United States, including the organization, role, content, and effects of newspapers, magazines, television, radio, books, and films. Students receive an overview of the interaction between mass media and society. By drawing from selected topics, the course pays particular attention to the social influences (e.g., economics, politics, technology, law, and culture) that shape media messages. The course examines the nature of media controllers as well as the character of users and consumers of media products. Students will gain understanding of the power and influences associated with media messages and practices.

There are two sections of the Mass Media pride: (1) Lion and (2) Nittany. Students should enroll in one section.

Media and Society
Class 1: COMM 118 (GS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

Aside from working and sleeping, individuals in the United States spend more time consuming media than any other single activity. By the time the average person reaches the age of 65, he or she will have spent over six full years of life watching television—not to mention the additional time spent reading newspapers and magazines, listening to the radio, using the internet, and playing video games. Given the centrality of media in the lives of most people, it is imperative that we understand and critically explore the variety of ways in which we perceive and are influenced by media messages. The purpose of this pride is to introduce students to the study of the effects of media on individuals and society.

Microeconomics
Class 1: ECON 102 (GS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

How do individuals, firms, and governments make decisions? What determines prices? Are monopolies always bad? This pride is designed to develop the basic concepts and techniques of microeconomic theory and its applications. Considerable emphasis is placed on the basic principles of economics, methods of economic analysis, price determination, consumer behavior, theory of the firm, and market structures.

Modern European History
Class 1: HIST 120N (GH, GS) *In Person*
Class 2: ENGL 15 (GWS) *Remote*

This pride traces the political, economic, and military history of modern Europe. After a brief contextual background of the French Revolution and the Napoleonic era, the course then focuses on the political, economic, and social developments in Europe from the rise of the European nation state during the nineteenth century through the present day. The course examines several broad topics, including the political and ideological developments of this period in European history; the origins and enduring impact of two world wars; the developments of totalitarianism, fascism, socialism, and democracy in Europe; and Europe's political and economic roles in the modern world.

Peace and Conflict
Class 1: PLSC 291 (GS) *In Person*
Class 2: CAS 100A (GWS) *Remote*

This pride is designed to introduce students to the study of political conflict: its workings, its underlying theories, and the means by which it can be ended, and peace can be maintained. To support this, PLSC 291 is divided into three primary sections based on level of analysis. The first will focus on general theories of peace and conflict through an examination of works of political philosophy and anthropology. The second will look at peace and conflict between states through an examination of international relations. And the third will explore peace and conflict within societies via scholarship on comparative politics and development.

Persons, Morals, and the Good Life
Class 1: PHIL 003 (GH) *In Person*
Class 2: CAS 100A (GWS) *Remote*

This pride offers students an overview of ethical issues, moral reasoning, and questions concerning the good and flourishing life for individuals and groups. It engages the work and critical interpretation of major figures in moral thinking and enters into the full complexity of contemporary moral problems. Students will study and evaluate competing accounts of the right way to live, including their overall plausibility, their background assumptions, and their practical implementation.

Photography
Class 1: PHOTO 100 (GA) *In Person*
Class 2: CAS 100A (GWS) *Remote*

This pride provides an introduction to the aesthetics, history, and science of photography including practical and critical approaches to the art of photography. This course introduces students to photography both as an art form and as a key method of visual communication in today's society. Students will be exposed to various photographic techniques and learn to create stronger, more compelling photographs.

Science of Fitness
Class 1: KINES 61S (GHW, FYS) *Mixed*
Class 2: CAS 100A (GWS) *Remote*

Fitness Theory and Practice is a course designed to emphasize the fundamental principles of physical fitness and skills necessary to implement a personalized fitness program that will evolve over the lifespan. Students also

consider factors which affect their performance in executing a fitness plan such as nutritional concerns, the impact of stress, choice of proper equipment, matching personal goals to proper execution, and personal motivation. In their pursuit of an active and healthy lifestyle, students assess personal health, fitness, and wellness using pre/post intervention strategies, and engage in physical exercise to practice concepts presented in the course training techniques.

Security and Risk Analysis

Class 1: SRA 111 (GS) *In Person*
Class 2: CAS 100B (GWS) *Remote*

Introduction to Security and Risk Analysis is a preliminary course with a broad focus, spanning the areas of security, risk, and analysis. In addition to familiarizing students with basic technical terminology, it will also touch upon social and legal issues, risk analysis and mitigation, crime intelligence and forensics, and information warfare and assurance. This course will motivate students to understand the requirements for security in any government agency or business organization through the use of case studies.

Social Justice in Education

Class 1: CI 185 (GS) *In Person*
Class 2: CAS 100A (GWS) *Remote*

This course explores the foundations of equity-based educational practices and helps students construct individual working definitions of social justice. The course includes engagement with foundational, historical, and contemporary scholarly and popular literature; guest lecturers from the University and local communities; and multimedia. Students explore tensions between theory and practical application and begin developing a language of critique for considering issues within the world of education. Progress is assessed via a variety of artifacts including self-assessment, guided journal entries, reflection upon campus and community social justice events, and written and oral research reports on a social justice topic of choice. For students interested in the Social Justice in Education minor, the course provides a conceptual foundation and skill set.

Successful Scientists of the Future

Class 1: BMB 205 *In Person*
Class 2: CAS 100A (GWS) *Remote*

Have you ever thought the best way to learn about science is to do it? Would you like to isolate a virus? In this pride, students will learn about the nature of science by taking part in a research project conducted entirely by first-year students. In this Course-Based Research Experience (CURE), you will isolate a virus, called a phage, that infects bacteria. After naming and purifying your virus, you will extract the genomic DNA and take an image with an electron microscope. At the end of the summer, we will send the genomic DNA for sequencing and it will be used in further scientific study and contribute to the body of scientific knowledge. If you would like to continue working on the project, there will be opportunities to continue research in the Fall and Spring semesters through other CURE courses. BMB 205 counts as a student's first-year seminar requirement.

This pride is only open to students in the Eberly College of Science or the Division of Undergraduate Studies.

Successful Scientists of the Future: History of Disease

Class 1: BMB 205S (FYS) *In Person*
Class 2: SC 125N (GH, GN) *In Person*

Have you ever thought the best way to learn about science is to do it? Would you like to isolate a virus? In this Course-Based Research Experience, students will learn about the nature of science by taking part in a research project conducted entirely by first-year students. You will isolate a virus, called a phage, that infects bacteria. After naming and purifying your virus, you will extract the genomic DNA for sequencing and take an image with an electron microscope. While you are learning about science, your will also be completing First-Year Seminar requirements for PSU 016.

This pride is only open to students in the Eberly College of Science or the Division of Undergraduate Studies.

For LEAP prides listed in this section, both courses for the pride meet as remote courses, meaning they are fully online. Students who select a remote pride may choose to live on campus or they may choose to live at home and participate in the program from home.

Adult Development and Flourishing

Class 1: HDFS 108N (GHW, GS) *Remote*

Class 2: HDFS 249N (GHW, GS) *Remote*

Students will be taught about flourishing through the lens of science, philosophy, and their own experience. Through exposure to diverse scientific theories and research on the skills associated with flourishing, to philosophical and religious writings on human happiness and wellbeing, and to various reflective exercises and contemplative practices (e.g., mindfulness and compassion meditation), students will have the opportunity to develop conceptual knowledge, experiential insight, and practical skills related to flourishing.

Animal Health and Biomedical Sciences

Class 1: VBSC 50S (FYS) *Remote*

Class 2: CAS 100A (GWS) *Remote*

This pride introduces you to current concepts in the maintenance of animal health and the application of scientific information to health-related decision making. You will have the opportunity to apply biomedical sciences to disease prevention programs in companion animals, food animals, and horses. The course will emphasize the biology of infectious diseases, immune response, and toxicology. You will also have opportunities to investigate the wide variety of careers in animal health and the biomedical sciences.

Arguing About the World

Class 1: SOC 5 (GS) *Remote*

Class 2: CAS 215 (GH) *Remote*

This pride is reserved for Paterno Fellow aspirants who wish to become better, more capable participants in arguments about some of the most challenging and intractable social problems facing humanity. SOC 5 will examine current social problems such as economic, racial, and gender inequalities; social deviance and crime; and population, environmental, energy, and health problems. CAS 215 provides an in-depth examination of argumentation in both public and private contexts. The course requires students to investigate the process of researching sound evidence, constructing legitimate argumentative claims, and participating in live debates. Fundamental to this endeavor is a strong attention to research, ethics, and strategy.

This pride is only open to students aspiring to the Paterno Fellows Program. To enroll, contact Barb Edwards at bae1@psu.edu.

Argumentation

Class 1: CAS 215 (GH) *Remote*

Class 2: CAS 100A (GWS) *Remote*

Democracy depends on an informed electorate who engage in critical thinking so as to hold in check potential abuses of power. This pride provides students with the ability to critically assess and create effective discourse.

Aurora Outdoor Orientation Programs – Sirius

SIRIUS LION & SIRIUS NITTANY

Class 1: KINES 89 (GHW) *In Person*

Class 2: CAS 100A (GWS) *Remote*

SIRIUS ROAR & SIRIUS STATE

Class 1: KINES 89 (GHW) *In Person*

Class 2: ENGL 15 (GWS) *Remote*

Offered only to incoming students, SIRIUS eases the college transition through fun and accessible virtual expeditions. Tour the United States from your computer, explore natural spaces close to home, and connect with your group virtually—all students of all abilities welcome. Participants gain not only skills from trained upperclassmen, but insight into college life in a relaxed environment. The classroom component introduces students to health and wellness topics such as: eating well on campus, group dynamics, time management, and mental and emotional wellness. Students earn all 3 GHW credits required to graduate (KINES 89). No outdoor experience required! For more information, call: (814) 865-3890 or visit: **findSIRIUS.psu.edu**

The Lion and Nittany prides are paired with CAS 100A (Effective Speech). The Roar pride is paired with ENGL 15 (Rhetoric and Composition).

Biobehavioral Health

Class 1: BBH 101 (GHW) *Remote*

Class 2: ENGL 15 (GWS) *Remote*

This pride explores health issues in an integrated way by taking into account the many different factors—biological, behavioral, social, cultural, and environmental—that influence health throughout the life span. Health will be emphasized as a state of physical, mental, and social well-being and not just the absence of disease. Students will learn to identify the many factors that contribute to differences in health and health risk for individuals and groups. You will apply health principles and research findings to health promotion, disease prevention strategies, and public health policies.

This pride is only open to students enrolled in the College of Health and Human Development or the Division of Undergraduate Studies.

Business Statistics

Class 1: SCM 200 (GQ) *Remote*

Class 2: CAS 100B (GWS) *Remote*

This course introduces basic statistical concepts and models within the framework of business problems and applications. Students learn about the usefulness of business statistics to decision making, how to perform basic statistical and analytical procedures, and how to interpret, critically evaluate, and analyze data. SCM 200 or STAT 200 is an entrance to major requirement for Smeal students.

SCM 200 is a 4-credit course. Students enrolling in this pride will be enrolling in 7 academic credits.

There are two sections of the Business Statistics pride: (1) Lion and (2) Nittany. Students should enroll in one section.

Community Development

Class 1: CED 152 (GS) *Remote*

Class 2: CAS 100A (GWS) *Remote*

Many of the most pressing issues facing the world, such as climate change, racial inequality, food insecurity, and other social injustices, lie at the intersection of society, economy, and environment. These problems exist at multiple scales from the hyperlocal to the global. Successfully addressing these challenges requires residents, communities, governments, businesses, and other organizations and institutions to work collaboratively on solutions using skills in critical thinking, community leadership, research, problem-solving, and communication. This pride will introduce students to the basic concepts, skills, and practices for community development and engagement that are necessary for addressing such issues.

Cybersecurity Nittany

Class 1: CYBER 100S (FYS) *Remote*

Class 2: CAS 100B (GWS) *Remote*

This pride provides an introduction to computer systems literacy. The history, architecture, and operation of computing systems and underlying computing theory are covered. The intent of this course is to ensure that students with diverse backgrounds can gain the information technology fundamental skills and understanding to succeed with subsequent in-depth courses in the Cybersecurity Analytics and Operations curriculum. At the same time, the general nature of the introduction may make it useful for other programs that involve education in concepts and skills relating to information and computing systems.

There are two sections of the Cybersecurity Pride: (1) Lion – In Person and (2) Nittany – Virtual. Students should enroll in one section.

Democracy and Dissent

Class 1: CAS 210 (GH) *Remote*

Class 2: CAS 100A (GWS) *Remote*

This pride introduces students to the basic historical contexts within which key democratic events arise; engages them in close readings of speeches, tracts, and polemical writing; and develops skills in critical thinking and writing. Students will attend to a broad spectrum of voices, including those of historically under-represented peoples as well as canonical figures.

Engineering Design

Class 1: EDSGN 100 *Remote*

Class 2: CAS 100A (GWS) *Remote*

This combination of courses allows new engineering students to complete an important design course and satisfy the General Education speech requirement.

The two courses are a natural combination. Engineering Design requires the presentation of design principles in class. Effective Speech emphasizes the principles of presenting problems, solutions, and processes. Students will apply and integrate what they learn in both courses through activities such as developing speeches about their design projects.

There are five sections of the Engineering pride: (1) Lion, (2) Nittany, (3) Roar, and (4) State. Students should enroll in one section.

EDSGN 100 is not required of students who intend to major in Architectural Engineering, Computer Engineering, or Computer Science. This pride is only open to students in the College of Engineering and the Division of Undergraduate Studies.

English Around the World

Class 1: APLNG 210 (GH) *Remote*
Class 2: CAS 100A (GWS) *Remote*

This pride traces the historical, social, and linguistic development of English as the global language of business, technology, education, and the internet. The pride focuses on a bit of history, some linguistics, and assorted global locations where English is used.

Environment and Society

Class 1: GEOG 30N (GN, GS) *Remote*
Class 2: ENGL 15 (GWS) *Remote*

This pride introduces students to relationships between humans and the natural environment. Students interested in any major can learn about ways in which humans think about, use, and are affected by the natural environment across settings in the United States and globally and will analyze and evaluate how humans have transformed the environment in different parts of the world, addressing such questions as: How does geography help us understand human-environment systems and sustainability?

Ethics and Politics

Class 1: PHIL 119 (GH) *Remote*
Class 2: PLSC 197 (GS) *Remote*

This pride explores the intersection of ethical leadership and the study of peace and conflict. In PHIL 119, students will explore philosophically as well as practically the ways leaders might identify ethical challenges, analyze them, imagine possible solutions, and be motivated to do the right thing. In PLSC 197, students will learn about the factors that influence public attitudes on political issues in the United States.

This pride is only open to students aspiring to the Paterno Fellows Program. To enroll, contact Barb Edwards at bae1@psu.edu.

Graphic Design

Class 1: GD 100 (GA) *Remote*
Class 2: CAS 100C (GWS) *Remote*

GD 100 places emphasis on problem solving and observing design, while developing intuition and creativity. Projects focus on the process of defining the parameters of a design problem, observing examples within the design industry, and critically evaluating examples of effective and ineffective design. GD 100 will help students to: 1. Understand the graphic design industry and the responsibilities of the profession. 2. Develop an appreciation for the practice of design. 3. Begin to develop the ability to define and solve problems. 4. Increase their knowledge of the history of graphic design and typography. 5. Refine their conceptual skills. 6. Learn and understand the vernacular of the industry.

Healthy Lives Through Recreation, Play, and Leisure

Class 1: RPTM 120 (GS) *Remote*
Class 2: ENGL 15 (GWS) *Remote*

This pride will provide students with an introduction to how recreation, play, and leisure activities impact the health of individuals and communities. Our leisure and recreation activities are critical factors in our mental and physical well-being, a way we bounce back from life's challenges, a fundamental part of our quality of life. Communities come together around special events, parks, sports, and shared experiences indoors and outdoors. We will examine historically and in current society how people make leisure part of their busy lives and enhance their personal health and community life.

Human Communication

Class 1: CAS 101N (GH, GS) *Remote*
Class 2: CAS 100B (GWS) *Remote*

Introduces students to the field of communication studies and to the most important concepts, questions, and ideas that surround the study of communication today. This pride is essential for any student who wishes to consider a major or minor in Communication Arts and Sciences. The pride is also an important elective for students who want to understand processes of communication in a variety of social forms or settings, including interpersonal, small group, organizational, intercultural, public, and technological.

Human Development Across the Lifespan

Class 1: HDFS 239 (GS) *Remote*
Class 2: HDFS 249N (GHW, GS) *Remote*

HDFS 249N provides a basic introduction to concepts, theoretical perspectives, and key empirical studies on adult development and aging. Students will become familiar with key developmental trends and challenges that must be addressed to achieve healthy growth and development throughout adulthood and late life. HDFS 239 provides a basic introduction to concepts, theoretical perspectives, and key empirical studies on adolescent development. Students will become familiar with key developmental trends and challenges that must be addressed to achieve healthy growth and development from the beginning of adolescence (puberty) up to the transition to adulthood.

Human Development and Flourishing

Class 1: HDFS 108N (GHW, GS) *Remote*
Class 2: HDFS 129 (GS) *Remote*

This pride gives students the opportunity to take two courses in Human Development and Family Studies. In HDFS 108N, students explore human flourishing—defined as a life of deep meaning, fulfillment,

and service to others. Students will be taught about flourishing through the lenses of science, philosophy, and their own experience. In HDFS 129, students will be introduced to developmental theories and the developmental tasks and challenges unique to each stage of development from birth through old age. Three of the credits students earn in this pride will be applied to their integrative studies General Education requirement.

Information, People, and Technology

Class 1: IST 110 (GS) *Remote*
Class 2: CAS 100B (GWS) *Remote*

This pride opens an intellectual journey through the ideas and challenges that IT professionals face in the world. It will address major questions such as: How can we use technology to organize and integrate human enterprises? How can technology help people and organizations adapt rapidly and creatively? What can we do about information overload? Three perspectives (or facets) address the core issues: information, or the basic science of data encoding, transmission, and storage; people, or the interactions among technologies, institutions, regulations, and users; and technology, or the design and operation of basic information technology devices. Students completing the course will be confident users and consumers of information technology.

Media and Democracy

Class 1: COMM 110 (GH) *Remote*
Class 2: CAS 100A (GWS) *Remote*

COMM 110 seeks to introduce students to the important role of the mass media in developing conceptions of democracy and democratic participation in contemporary societies. Utilizing current events, popular culture, and the students' own relationship to media as the template, this pride is designed to stimulate student thinking about the interrelationship between the dynamics of US culture, news, politics, and civil society in order to develop a greater understanding and appreciation of what civic engagement and global awareness can do toward nurturing democracy's principles and practices.

Nutrition

Class 1: NUTR 100 (GHW) *Remote*
Class 2: CAS 100A (GWS) *Remote*

This course introduces students to nutrition principles necessary

to promote a healthy lifestyle. Students will be better prepared to evaluate nutrition-related issues presented in the media and to make informed choices about their diet to promote health throughout their lives. Information about nutrients is presented and related to such topics as maintenance of ideal body weight, improvement in physical performance, and the role of nutrients in various disease states. This course is intended for non-nutrition major students and will fulfill 3 credits of the GHW requirement.

This course is intended for students interested in nutrition, but it is not intended for students who plan to major in Nutrition.

Persuasion and Propaganda

Class 1: CAS 178 (GH) *Remote*
Class 2: CAS 100C (GWS) *Remote*

This pride will explore the distinction—historically and theoretically—between propaganda and persuasion. In this course students will develop a more precise understanding of "propaganda" and the techniques of the propagandist. Toward this end, we will study the history of propaganda, as well as contemporary cases of public advocacy that raise questions about the distinction between persuasion and propaganda.

Severe and Unusual Weather

Class 1: METEO 5 (GN) *Remote*
Class 2: CAS 100A (GWS) *Remote*

This pride provides a current and relevant discussion of a range of severe and unusual weather phenomena in a descriptive manner accessible to students with a wide variety of backgrounds. Topics include lake-effect snowstorms and blizzards; thunderstorms, hurricanes, floods, tornadoes, and hailstorms; hazardous mountainous weather like downslope windstorms; and optical phenomena like rainbows, glories, and halos. METEO 5 will draw frequently upon significant historical and recent severe weather events.

Taking Charge of your Health

Class 1: HPA 57 (GHW) *Remote*
Class 2: ENGL 15 (GWS) *Remote*

This pride is designed to provide students with an understanding of the breadth of decisions related to health and health care in the United States. HPA 57 introduces students to consumers' role in health-related decisions, including assessing health risks, health benefits, service choices, and end-of-life care.

Vocal Health

Class 1: CSD 100 (GHW) *Remote*
Class 2: CAS 100A (GWS) *Remote*

This course would be beneficial for students who are planning a career in a field with high vocal use

or public speaking requirements including education, healthcare, law, entertainment, and business. Students will learn about normal and disordered voice production and will learn how to care for their voices to help maintain vocal health for a lifetime. This course would be beneficial for students who may be considering a major in communication sciences and disorders.

Wellness

Class 1: KINES 81 (GHW) *Remote*
Class 2: CAS 203 (GS) *Remote*

This pride gives students the opportunity to explore two topics integral to the success of any new college student: personal wellness and interpersonal communication. In KINES 81, students explore the cognitive foundations of wellness as well as the physical, social, emotional, intellectual, and spiritual components. Students will analyze personal health behavior and gain an understanding of the importance of prevention. CAS 203 introduces students to the theoretical perspectives, methods, and practical applications of interpersonal communication. Among course topics is the way interpersonal communication contributes to managing conflict, influencing others, and providing support.

General Information

Student Financial Aid

If your Penn State career begins in summer 2021 and you want to be considered for financial aid, you will need to complete the 2020-2021 Free Application for Federal Student Aid (FAFSA). This is in addition to completing the 2021-2022 FAFSA for the academic year that begins in fall 2021.

Summer Housing

LEAP students are housed together. If your offer of admission is for summer, you accept your summer housing contract when you accept your offer of admission to Penn State. If your offer of admission was for fall semester and you would like to attend during the summer, contact the Undergraduate Admissions Office to make the change. Admissions will notify the Housing Assignments Office, and you will be offered a summer housing contract through **eliving.psu.edu**, usually within three business days. You must accept that housing contract. For problems or questions, contact **assignments@psu.edu** or call 814-865-7501. Students who register for LEAP courses after May 4, 2021, or request a non-LEAP roommate, may be assigned to a LEAP overflow residence hall adjacent to the LEAP residence halls, but they will still have access to their LEAP mentor.

Estimated Costs

(All LEAP prides are 6 credits unless otherwise noted in the pride description)

*Please note, tuition in Summer 2020 was adjusted due to COVID-19. The tuition and fees listed above are based upon the typical summer tuition rates. At the time of publication of this brochure, rates for Summer 2021 are not yet finalized. The most up-to-date tuition rates can always be found at **tuition.psu.edu.***

2021 Pennsylvania Residents:
$747 per credit ($4,482 for 6 credits)

2019 Non-Pennsylvania Residents:
$1,458 per credit ($8,748 for 6 credits)

Mandatory Fees*
IT Fee: estimated **$126**
Student Initiated Fee: estimated **$134**

Room and Board*
Housing: estimated **$1,320**
Meal Plan: estimated **$1,152**

*Please note the fees and room/board costs have not yet been finalized for Summer 2021. Numbers listed are the rates from Summer 2020. You should expect similar rates for Summer 2021.

For the latest information check **tuition.psu.edu** and **hfs.psu.edu/rates**.

Students registered for the LEAP program will receive a bill on the first business day of June. Payment of the bill is due by June 22, 2021. Payment plan options can be reviewed at **bursar.psu.edu**.

Need More Information?

Contact: **Office for Summer Session**
Phone: **814-863-4174**
Email: **leap@psu.edu**

For the most up-to-date information on LEAP, visit **leap.psu.edu**.

Summer/Fall Calendar

Summer Session II 2021
Arrival Day: Monday, June 28
Classes Begin: Wednesday, June 30
Classes End: Wednesday, August 11
Final Exams: Friday, August 13

Fall Semester 2021
Arrival Day: Friday, August 20–Saturday, August 21
Classes Begin: Monday, August 23
Classes End: Friday, December 10
Final Exams: Monday, December 13–Friday, December 17

For complete academic calendar information, visit
registrar.psu.edu/academic-calendars

PennState
Undergraduate Education

SUMMER 2021

LEAP

Learning
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LEAP into summer and breeze into your fall semester