HEALTH SCIENCES STUDENT GUIDE 2025-2026

THIS GUIDE IS INTENDED TO HELP YOU PLAN YOUR BS IN HEALTH SCIENCES BY PROVIDING USEFUL INFORMATION FOR SCHEDULING COURSES AND ALIGNING YOUR DEGREE WITH YOUR ACADEMIC AND PROFESSIONAL GOALS. AS A REMINDER, **THE UNIVERSITY CATALOG AT YOUR TIME OF MATRICULATION INTO A PROGRAM IS THE DOCUMENT OF RECORD IN EVALUATING YOUR DEGREE REQUIREMENTS.** YOU, AS THE STUDENT, ARE RESPONSIBLE FOR KNOWING AND FULFILLING YOUR DEGREE REQUIREMENTS. FOR UNINTENDED DISCREPANCIES BETWEEN THIS GUIDE AND THE UNIVERSITY CATALOG, PLEASE DEFER TO THE UNIVERSITY CATALOG.

THE UNIVERSITY CATALOG SUPERSEDES ALL INFORMATION IN THIS GUIDE.

REVIEW YOUR DEGREE PROGRESS REPORT AND TALK WITH YOUR ACADEMIC ADVISOR ON A REGULAR BASIS TO ENSURE THAT YOU ARE ON TRACK FOR COMPLETING THE MAJOR.

CONTENTS

GET CONNECTED

ACADEMIC ADVISING

The Department of Health Sciences has staff academic advisors to guide you through your degree plans and to assist in accessing resources on campus. You can find information about DePaul University's expectations for academic advising in the undergraduate student handbook. Advising is available by appointment in-person or online via Zoom. You should schedule online using OneDePaul or by calling (773) 325-8490.

When you are seeking additional assistance in planning your career or graduate school endeavors, you may want to speak with a faculty member. Develop relationships with your faculty is important, so please reach out to instructors in your classes for their input!

SOCIAL MEDIA AND WEBSITE

The Department of Health Sciences is pleased to bring you the latest news, resources, scholarship, job, and internship postings through social media. Follow us on X and Instagram to see announcements about news in the department.

http://go.depaul.edu/healthsciences
@DepaulHealthSci
@DepaulHealthSci

STUDENT GROUPS

Student groups are available to get involved with peers in health-related activities. All students are encouraged to get involved at dehub.depaul.edu. Some options include:

Public Health Student Organization (PHSO)
DePaul Organization for Intersection Health (DOIH)
Medical Sciences Journal Club
Global Medical Brigades, DePaul Chapter
Pre-Med Pals
Pre-Health Student Network
DePaul MEDLIFE
Advocacy of Newly-Acquired Knowledge of the Lower Extremities (ANKLE)
Pre-Optometry Association
DePaul Pre-Dental Association
Pre Occupational Therapy Club
DePaul Neuroscience Club
Society for the Advancement of Chicanos and Native Americans in Science (SACNAS)
Underrepresented Groups in Medicine (UGM)
College of Science and Health Student Association

HEALTH SCIENCES CURRICULUM

MISSION AND LEARNING OUTCOMES

Our mission is to educate and train students who will collaboratively address human health from interdisciplinary natural and social scientific perspectives in order to promote health and to improve the lives of individuals and communities.

Upon graduating from DePaul with a BS in Health Sciences, students will be able to:

1. Evaluate scientific research and evidence-based approaches to human health on an individual and population level.
2. Identify the core concepts and principles of public health and explain how they promote health and prevention of disease.
3. Explain the foundational biological principles related to human health.
4. Identify and analyze ethical issues in research, health, and public health.
5. Explain how social determinants influence an individual's health and create health disparities.
6. Demonstrate effective communication skills and work collaboratively with individuals of varied perspectives.

HEALTH SCIENCES MAJOR CORE

All Health Sciences majors take the following common core classes:

HLTH 200	Foundations of Health Sciences
HLTH 210	Introduction to Public Health
HLTH 250	Health Care Policy in the US
BIO 191	General Biology I
HLTH 350	Health Sciences Capstone

One Health Ethics course (HLTH 229, REL 229, or PHL 229 are approved options)

CONCENTRATIONS

The two concentrations within the Health Sciences major are *Bioscience* and *Public Health Sciences*. Every Health Sciences student will select a concentration.

The **Bioscience** concentration is designed for students whose career and academic interests focus on the natural sciences and the health of individuals, working primarily in clinical care. This concentration is flexible to allow students to tailor their electives to suit the admissions requirements of a variety of professional/graduate programs (*e.g.* medical school, nursing, physical therapy, physician assistant).

The **Public Health Sciences** concentration is for students whose career and academic interests focus on the social sciences and the health of populations through managing and reforming policy, developing interventions, and administering health care systems.

Details on course requirements for concentrations can be found in the University Catalog. Please make sure that you are using the catalog published when you declared the major for your requirements, as the curriculum can change over time. Ask your advisor if you have any questions.

BIOSCIENCE CONCENTRATION CORE

Health Sciences majors with a concentration in Bioscience take the following 10 Concentration Core courses, in addition to the **Major Core** plus **7 Bioscience Concentration Electives** (listed in the catalog and Appendix A):

BIO 192 and 193	General Biology II and III
BIO 210	Microbiology
BIO 206	Biostatistics
CHE 130/131, 132/133, and 134/135	General Chemistry I, II, and III with Labs
BIO 250	Cell Biology
HLTH 301 and HLTH 302[#] (***or*** BIO 201 and 308)	Integrated Human Anatomy & Physiology A and B (***or*** Human Anatomy and Human Physiology)

BIOSCIENCE CONCENTRATION SUMMARY

Health Sciences Major Core [t]	5 courses	20 credits
Bioscience Concentration Core	10 courses	40 credits
Bioscience Concentration Electives	7 courses	28 credits
Liberal Studies Program*		
First Year Program	4 courses	16 credits
Seminar on Multiculturalism	1 course	4 credits
Experiential Learning	1 course	4 credits
Learning Domains		
Arts & Literature (AL)	3 courses	12 credits
Philosophical Inquiry (PI)	2 courses	8 credits
Religious Dimensions (RD)	2 courses	8 credits
Social, Cultural, and Behavioral Inquiry (SCBI)[α]	3 courses	12 credits
Understanding the Past (UP)	2 courses	8 credits
Open Electives	8 courses	32 credits
Total	**48 courses**	**192 credits**

[#] Students may not combine the HLTH and BIO anatomy and physiology courses (*e.g.* HLTH 301 with BIO 201).

[t] The health ethics requirement can be met as a Philosophical Inquiry course (PHL 229), a Religious Dimensions course (REL 229), or as a Concentration Elective (HLTH 229). Health Sciences majors may not count HLTH courses towards their liberal studies requirements.

* Transfer students who are eligible for the Illinois Articulation Initiative (IAI) will have a slightly altered Liberal Studies Program. Adjusted requirements are reflected in the Degree Progress Report.

[α] Students who are preparing for medical school should take SOC 101 and PSY 105 or PSY 106 in their learning domains to be prepared for the Behavioral Sciences section of the MCAT exam.

PUBLIC HEALTH SCIENCES CONCENTRATION CORE

Health Sciences majors with a concentration in Public Health Sciences take the following 11 Concentration Core courses, in addition to the **Major Core** plus **4 Concentration Electives** (listed in the catalog and Appendix B).

HLTH 194	Human Pathogens and Defense
HLTH 195	Human Form and Function
HLTH 272	Introduction to Medical Anthropology
HLTH 310	Fundamentals of Epidemiology
HLTH 325 ***or*** HLTH 345	Physiology of Poverty or Fundamentals of Environmental Health
HLTH 335	Community Health Assessment
HLTH 336	Program Evaluation
HLTH 360	Introduction to Global Health
CMNS 315	Health Communication
PSY 354	Community Psychology

One approved Statistics course (HLTH 240, PSY 240, MAT 242, SOC 279, ***or*** BIO 206)

PUBLIC HEALTH SCIENCES CONCENTRATION SUMMARY

Health Science Core [t]	5 courses	20 credits
Public Health Studies Core	11 courses	44 credits
Concentration Electives	4 courses	16 credits
Liberal Studies Program *		
First Year Program [^]	5 courses	20 credits
Seminar on Multiculturalism	1 course	4 credits
Experiential Learning	1 course	4 credits
Learning Domains		
Arts & Literature (AL)	3 courses	12 credits
Philosophical Inquiry (PI)	2 courses	8 credits
Religious Dimensions (RD)	2 courses	8 credits
Social, Cultural, and Behavioral Inquiry (SCBI)	3 courses	12 credits
Understanding the Past (UP)	2 courses	8 credits
Mathematics and Computing (MCD)	1 course	4 credits
Open Electives:	8 courses	32 credits
Total:	**48 courses**	**192 credits**

[t] The health ethics requirement for the major can be met as a Philosophical Inquiry course (PHL 229), a Religious Dimensions course (REL 229), or as a Concentration Elective (HLTH 229). Health Sciences majors may not count HLTH courses towards their liberal studies requirements.

*Transfer students who are eligible for the Illinois Articulation Initiative (IAI) will have a slightly altered Liberal Studies Program. Adjusted requirements will be reflected in the Degree Progress Report.

^ The Liberal Studies Program requirements for Public Health Sciences concentration include MAT 120 and a Mathematics and Computing Domain course. Students who earn credit for both earn a waiver of one learning domain course. Students may request this waiver once credit for both courses is earned.

COMBINED DEGREE PROGRAMS

Several combined degree programs are available for Health Sciences students who are interested in accelerating their path to graduate or professional education. Even more combined degree programs exist across the university. ***Please note that due to accelerated curricula, some accelerated degree programs are not possible for transfer students.*** *Speak with an advisor as you make plans.*

BS IN HEALTH SCIENCES/MASTER OF PUBLIC HEALTH (MPH)

This combined degree program allows Health Sciences majors to earn a BS and a Master of Public Health (MPH) at DePaul in as few as five years. DePaul's MPH program provides a collaborative, applied approach to public health education, focusing on health promotion and disease prevention with individuals, families, communities, and organizations in diverse urban settings. Students accepted to this program can apply five MPH courses toward both the BS and MPH degree. Interested students may apply to this combined degree program during their Junior year.

BS IN HEALTH SCIENCES/MASTER'S OF SCIENCE IN NURSING (MSN)

This combined degree program allows Health Sciences majors to earn a BS and a Master's of Science in Nursing (MSN) at DePaul in as few as five years. DePaul's MSN program in Generalist Nursing prepares students for licensure by examination (NCLEX-RN) required for entry into professional nursing practice. Students accepted to this program can apply multiple nursing courses toward both the BS and MSN degree. Students must be in the Bioscience concentration and members of the Pathways Honors Program. Because the specific program requirements limit the number of open electives and concentration electives available for these students, early planning with an advisor is essential.

BS IN HEALTH SCIENCES/MASTER OF SCIENCE IN OCCUPATIONAL THERAPY

This combined degree program allows Health Sciences majors to earn a BS and a Master's of Science in Occupational Therapy (OT) at DePaul in as few as five years. Students can apply in January of their first year. Accepted students are guaranteed admission into the DePaul OT program as long as they meet the eligibility requirements. Students in this program apply multiple OT courses toward both the BS and master's degree.

ACCELERATED PROGRAMS WITH ROSALIND FRANKLIN UNIVERSITY OF MEDICINE AND SCIENCE

BS IN HEALTH SCIENCES/MASTER'S OF SCIENCE IN PHYSICIAN ASSISTANT (PA) PRACTICE
BS IN HEALTH SCIENCES/DOCTOR OF PHARMACY (PHARMD)
BS IN HEALTH SCIENCES/DOCTOR OF PHYSICAL THERAPY (DPT)
BS IN HEALTH SCIENCES/DOCTOR OF PODIATRIC MEDICINE (DPM)
BS IN HEALTH SCIENCES/PATHOLOGISTS' ASSISTANT MASTER OF SCIENCE (MS)

These accelerated degree programs allow Health Sciences majors to earn a BS and a professional degree in an accelerated time frame. Students accepted to these programs apply multiple graduate-level courses toward both the BS and advanced degree, essentially saving a year of undergraduate coursework. Students must be in the Bioscience concentration and members of the Pathways Honors Program. Because of the specific program requirements, early planning with an advisor is essential.

HEALTH SCIENCES DEPARTMENT CONTACTS

Margaret Bell, PhD
Associate Professor
margaret.bell@depaul.edu

Suzanne Carlberg-Racich, PhD, MSPH
Associate Professor, Director of MPH Program
scarlber@depaul.edu

Sarah Connolly, PhD
Chair and Professor
sarah.connolly@depaul.edu

Eiron Cudaback, PhD
Associate Professor
ecudabac@depaul.edu

Janette DeFelice, MD, MPH, MA
Professional Lecturer
jdefelic@depaul.edu

Johnna Gerona ,M.S.Ed
Assistant Director of Pre-health Advising
jgerona@depaul.edu

Jessica Jerome, PhD
Associate Professor
jjerome@depaul.edu

Hannah Johnson
Administrative Assistant
hjohns31@depaul.edu

Craig Klugman, PhD
Professor, Director Pathways Honors Program
cklugman@depaul.edu

Julia Lippert, PhD
Associate Professor
jlipper1@depaul.edu

John Mazzeo, PhD
Associate Professor
jmazzeo@depaul.edu

Gabby McCadd, M.Ed.
Assistant Director of Academic Advising
gmccadd@depaul.edu

Maya Miyairi, PhD
Assistant Professor
msteel3@depaul.edu

Cricel Molina, PhD, MPH
Assistant Professor
lmolinad@depaul.edu

Lauren Paez, M.Ed.
Associate Director of Academic Advising
lpaez@depaul.edu

Jessica Polos, PhD
Assistant Professor
jpolos@depaul.edu

Daniel Schober
Associate Professor
dschober@depaul.edu

Daniel Traylor, PhD
Assistant Professor
dtraylo1@depaul.edu

Gus Turner
Manager of Community Partnerships
gus.turner@depaul.edu

Health Sciences is a multidisciplinary major with courses across departments. Instructor contact information is provided your course syllabi and the DePaul Faculty Directory http://directory.depaul.edu/. Faculty on leave will not respond to email.

McGowan South, Suite 411
1110 W. Belden Ave
Chicago, IL 60614

(773) 325-4354
healthsciences@depaul.edu

HLTH COURSE DESCRIPTIONS

HLTH 120 Exploring Health Sciences
This course explores the growing and complicated landscape of the health professions. Students will explore a broad range of careers available to people interested in the health of communities and individuals, helping them to identify their own skills, interests, and values. Designed for students in all majors who are interested in exploring a professional interest in health sciences, this course will include aspects of self-assessment and career exploration, health industry research, and connecting with individuals in the field. This course is a 2 credit open elective**. Pre-requisites:** None

HLTH 133 Preparing for Application to Health Professions
The course is designed for DePaul students who are planning to apply in the current year to a graduate-level health professional program including dental, medicine, optometry, veterinary medicine, physician assistant, physical therapy, and podiatry. This course is especially helpful for students planning to participate in the Pre-Health Advising Committee during the current academic year. The goal for this course is to provide students with information about what applying to professional school will entail along with providing students an opportunity to prepare documents for their application. Class-time will include discovering student's interest in a clinical profession, learning how to articulate personal fit with their health profession of interest, creating a personal statement, mock interviews, and learning how to identify criteria for choosing target schools. This course is a 2 credit open elective. Requires instructor permission and PAC eligibility**. Pre-requisites:** BIO 191, BIO 192, BIO 193, (CHE 130 AND CHE 131), (CHE 132 AND CHE 133), AND (CHE 134 AND CHE 135) all with a grade of C or better.

HLTH 140 Medical Terminology
This course introduces the student to the specialized vocabulary of the Health Care environment. Terminology used in medical professions will be learned with an emphasis on understanding word roots and building vocabulary. Through studying each system of the body, terminology will be associated with specific anatomy, physiology, functions and minimal pathology of the human body. This course is a 2 credit open elective. **Pre-requisites:** None

HLTH 150 Discovering Disease: Small Pox, HIV, and Zika *(SWK credit for non-HLTH majors)*
This course will introduce students to science as a way of knowing through the examination of three viral diseases: Small Pox, HIV/AIDS and the Zika virus. In each case we will start by examining early understandings of the illness and then build towards a general biological theory of disease. Specifically, we will study the key observations that were made, and the evidence that was gathered in order to construct a theory of these three diseases that could then be translated into medical treatments. Special attention will be paid to the significant missteps that occurred as scientists struggled to understand the nature of these diseases. A key assumption of this course is that the dead ends and wrong turns encountered during the scientific process are a crucial component of scientific discovery. Each section will conclude with an overview of the most current scientific knowledge of the disease, including current treatments and prevalence levels around the world. **Pre-requisites:** None

HLTH 194 Human Pathogens and Defense
This course will introduce students to the diverse microorganisms that cause significant disease within the human population. The biological basis of infectious disease will be explored with a focus on the mechanisms of viral and bacterial infection and spread. The cellular basis of the immune response will be reviewed, including the principles behind vaccinations, innate and adaptive immunity, and immune

system dysfunction. The course also will profile how the human microbiome promotes health, especially within the digestive system. **Pre-requisite:** C- or better in BIO 191

HLTH 195 Human Form and Function
This course provides a foundation for studying biological functioning of the human organism. Students will explore the basic principles of chemistry, cellular and molecular biology, and human genetics. In addition, we will examine the integral relationship between form and function that has evolved into the human body, with particular attention paid to the investigation of tissue organization, the biology of movement, and critical organ systems (nervous, endocrine, cardiovascular, and urinary). Related topics in human health and disease will also be discussed. **Pre-requisite:** C- or better in BIO 191

HLTH 200 Foundations of Health Sciences
This course introduces students to the B.S. in Health Sciences undergraduate program. Students will become familiar with the foundations of Health Sciences from biomedical, public health, historical, and political perspectives, and how each contributes to our understanding of human health and illness. Students will learn research methodologies applied to Health Sciences, as well as develop the skills to critically assess the results and implications of health research to critically consider the evidence base of health, medicine, and science. Upon completion of the course students will have developed skills and understanding that will serve as a foundation for the remainder of their coursework. **Pre-requisites:** None

HLTH 210 Introduction to Public Health
This course is designed to lay out the concepts, principles, and case outcomes of public health practice. It considers community health data source, classical intervention approaches, and the planning and evaluation of community health interventions. **Pre-requisites:** C- or better in HLTH 201 and HLTH 202

HLTH 220 Introduction to Occupational Therapy
Broad over view of the profession of occupational therapy (OT). Students will learn about the wide variety of places occupational therapists (OTs) work and the diverse populations OTs work with. Particular focus will be spent on the occupational therapy practice areas: children & youth, health & wellness/adults, productive aging, rehab & disability, work & industry, intellectual disabilities, mental health, and assistive technology. This course will provide students an on-line shadowing experience and specific information for applying to OT graduate programs. **Pre-requisites:** None

HLTH 229 Ethics for Health Sciences
This course provides an introduction to the ethical and moral theories that frame our response to fundamental issues in the health sciences. Moral philosophers, such as Aristotle, Thomas Aquinas and Immanuel Kant, all pose questions about the nature of right and wrong, and what is meant by a good life. The first part of the course examines the work of these philosophers and then uses them in order to think through specific topics, including: confidentiality, informed consent and end of life decision-making; health care disparities and health care reform; and global health ethics. **Pre-requisites:** None

HLTH 230 Fundamentals of Health Education
This course provides health education majors with a foundational understanding of the professional health education field. Students will examine health education's role in planning, implementing, and evaluating the behavioral health challenges that affect the wellbeing of individuals and communities. Students will learn and then practice designing and delivering a wide range of health education activities, grounded in behavioral change theories, in a variety of settings and to diverse audiences. Finally, students will critically examine these issues through a variety of academic experiences, including academic service in a

community setting, in order to identify and apply health education practices and principles that contribute to health promotion and disease prevention. **Pre-requisites:** None

HLTH 236 Gay Men's Health Matters
The purpose of this course is to introduce students to health issues relevant to gay men. We will explore the effects of minority status, heterosexism, and homophobia on gay men's health, including but not limited to STD/HIV/AIDS, substance use and mental health. Students will review epidemiological data, theoretical frameworks, and community-based health promotion approaches in order to gain a broad perspective on risk and resilience factors, health indicators, and strategies for self-care applicable to gay men's health. **Pre-requisites:** None

HLTH 240 Health Statistics
This course will introduce the basic principles and procedures of statistics as commonly used in health sciences. The course will cover statistical methods for single variable or multivariate, quantitative, and categorical data sources. The main goal is to prepare students to interpret health data, analyze data using the correct analytical methods, and present the findings in a way that is accessible to the public. In addition, this class will focus on literature review and critical evaluation through article critiques. Finally, students will be introduced to the computer based analytical software SPSS for beginner level data analysis and interpretation. **Pre-requisites:** MAT 100, MAT 101 or equivalent or higher is a prerequisite for this class.

HLTH 250 Healthcare Policy in the United States
This course provides students with an overview of health policy creation and describes the history of healthcare policy in the United States. Students will explore the delivery and finance of health care as well as analyze health care law and regulation. Students will gain an understanding of how political and economic policy is used to mitigate disease and illness in varied environments and how policy affects the delivery of health care and public health services. **Pre-requisites:** HLTH 210

HLTH 272 Introduction to Medical Anthropology
This course explores the interrelationships between culture and human health for the purposes of understanding the biosocial origins of disease, systems of treatment, and the global inequalities that shape disease patterns and access to health care resources. **Pre-requisites:** None

HLTH 301 Integrated Human Anatomy and Physiology A
This course explores the fundamental principles of human anatomy and physiology that specifically relate to the sensation and perception of environmental stimuli, as well as the response to such challenges. In this context, broad consideration will be given to the body's various modes of cellular and tissue communication, with special emphasis on the interplay between the integumentary, skeletomuscular, nervous, and endocrine systems. In addition, the integrated approach will provide a strong foundation for the serial investigation of relevant topics relating to human health and disease, and clinical intervention. **Pre-requisites:** BIO 193 and CHE 134/135.

HLTH 302 Integrated Human Anatomy and Physiology B
This course explores the fundamental principles of human anatomy and physiology that specifically relate to the dynamic integration of critical organ systems. With the cardiovascular system as a starting point, students will investigate the complex orchestration of homeostatic mechanisms regulated by the respiratory, digestive, urinary, and reproductive systems. As with HLTH 301, the integrated approach will provide a strong foundation for the serial investigation of relevant topics relating to human health and disease, and clinical intervention. **Pre-requisite:** HLTH 301.

HLTH 310 Fundamentals of Epidemiology
Epidemiology is generally considered to be the basic science of disease prevention. It encompasses the study of the distribution and determinants of health-related conditions in specified populations, and the application of this study to control health problems. This course will introduce students to methods employed by epidemiologists to collect data about the health of populations, to use epidemiologic data to generate and test hypotheses about the relationships between exposure and disease or other health conditions, and to use epidemiologic data that informs interventions and public policy that will address health problems and prevent their recurrence. **Pre-requisite:** LSP 121 or statistics credit (HLTH 240, MAT 242, SOC 279, PSY 240, or BIO 206)

HLTH 315 Maternal and Child Health
This course provides an overview of maternal and child health issues and trends that impact the health needs of women, children, and families. The course will involve a historical and current examination of the principles, programs, policies, and practices related to maternal and child health populations. **Pre-requisite:** HLTH 210

HLTH 318 Health of Aging Populations
This course will address social science and basic science research, practice, and policy on the health of older populations. The rapidly increasing number and diversity of older Americans has broad implications for our health care and public health systems, as there will be an unprecedented demand on health care delivery and aging-related services. This course will introduce Health Sciences students to topics like the sociocultural and economic status of aging populations, theories of aging, aging policies, and aging health services. One objective of this course is to provide a foundation of aging health knowledge that can be utilized by Health Sciences students in future academic or professional careers. **Pre-requisite:** HLTH 210

HLTH 320 Molecular Virology
This lecture/seminar course is designed for students interested in the molecular details of virus replication and the interactions between viruses and host cells. Virus families that cause human disease are highlighted, however this course does not focus on the clinical aspects of virus infection and treatment. Students will review primary research articles and participate in group analyses of these works. **Pre-requisite:** C- or better in BIO 210 or BIO 250

HLTH 325 Physiology of Poverty
Low socioeconomic status is associated with psychological stress, nutritional challenges, and toxin exposure, in addition to low access to high-quality healthcare and education often discussed. In the US, it is also inseparable from racism, on a personal and structural level. This course will consider the effects of these stressors in driving cardiovascular, metabolic, immunological, and neurological diseases that contribute to striking disparities in quality of life and lifespan. With the support of lecture introductions, students will interpret data from basic research, biomedical studies, and epidemiology, and integrate them with public health and sociological perspectives. Documentaries and popular texts will contextualize these data and foster reflection and discussion in class meetings. By the end of the course, students will be able to apply what they have learned from the breadth of their scientific and liberal arts coursework to understand the critical challenges in addressing the impacts of socioeconomic inequality on human health. **Pre-requisite:** BIO 193 OR (HLTH 194 & HLTH 195)

HLTH 327: Physiology and Social Impact of Drug Use
This course aims to explore the biological, psychological and social effects of drug (ab)use by examining the known physiology and brain's role in addictive behavior and dependency. The course specifically

explores the physiology-based pharmacology of: 1) Stimulants such as cocaine and amphetamines, 2) Nicotine, 3) Alcohol, 4) Opioids and 5) Cannabis. Furthermore, the course will touch on the social implications of addiction and review current treatment and prevention methods assessing efficacy and exploring novel or alternative treatments. **Pre-requisite:** HLTH 195 or HLTH 301

HLTH 329 Medical Humanities
The humanities and arts provide a unique insight into the human condition, suffering, personhood, and our relationship to medical and health technology. Through these practices, one can develop skills of observation, analysis, empathy and self-reflection, all of which are necessary for the provision of humane health care. In this course, students will explore health and medicine through the lenses of the humanities (literature, philosophy, ethics, and history) and the arts (literature, theater, film, and visual arts). **Pre-requisite:** Junior standing and WRD 103 and 104 or HON 100 and 101

HLTH 335 Community Health Assessment
This course covers a range of community assessment processes focusing on health indicators within communities in Chicago. Students will be introduced to multiple data sources and methods. Implications of assessments will be framed within community health assessment requirements under the Affordable Care Act (ACA), as well as broader community needs and resources**. Pre-requisite:** HLTH 210

HLTH 336 Program Evaluation
This course will introduce students to methods in program evaluation, including process evaluation, monitoring of outputs and outcomes, impact assessment, and cost analysis. Students will gain practical experience in the design of conceptual frameworks, development of indicators, development of an evaluation plan to measure impact. Students will learn how this information can be used to improve program management and effectiveness. The course will cover experimental, quasi-experimental, and non-experimental study designs, and consider the strengths and limitations of each. **Pre-requisite:** HLTH 335

HLTH 339 Bioethics in Society Capstone Seminar
This seminar is an interdisciplinary study of the function of bioethics in society. As a discipline and as a profession, bioethics stands as a distinctive barometer of our evolving and shifting conceptions not only of health and well-being, but of the world, society, and even ourselves. The seminar explores the history of bioethics, bioethics as a clinical practice, and the various questions that arise at this crossroad from health science, medical humanities, religious studies, sociological, and philosophical perspectives. **Pre-requisite:** HLTH 229, REL 229, or PHL 229

HLTH 341 Death and Dying
As the only species that is aware of its own mortality, this course examines the human experience of death and dying as a biological, medical, legal, social, and cultural process throughout time. Students will learn about the biological breakdown of the body, hospice & palliative care, advance care planning, funerary and mourning practices, disposal of the human body, and beliefs of what happens after death. **Pre-requisite:** Junior standing

HLTH 343 Cannabis Studies and Social Justice
Cannabis has been recognized throughout history as a pharmacological agent to treat a variety of conditions. This history was interrupted by a series of prohibitions and criminalization policies that were driven by racism in the U.S. and elsewhere. This course examines systems of power that have perpetuated the criminalization of cannabis, the suppression of research into its viability as a pharmacological agent, as well as contemporary efforts to promote harm reduction, social justice and racial equity in the wake of

the War on Drugs. Students will investigate the underlying structures that have created injustice among persons who use cannabis in the U.S., and they will study the ways in which racism has perpetuated inequality and oppression. Students will develop research skills by examining specific issues at the intersection of cannabis use or policy and social justice in depth, and evaluating approaches to redressing systemic injustice and creating a more equitable society. Readings will be supplemented by guest speakers from cannabis policy, research, and social justice spheres. **Pre-requisites:** None

HLTH 345 Fundamentals of Environmental Health
This course provides an introduction to and overview of the key concepts and methodological approaches in the field of environmental health. Students will understand the reciprocal nature of our interactions with the environment: how the environment affects human well-being as well as how we impact the health of the environment. An emphasis in this course is on application through laboratory-based exercises, analysis of real data sets, and participating in the practice of environmental health. **Pre-requisite:** HLTH 210

HLTH 346 Environmental Outreach Through Experiential Learning
In this course students will participate directly in environmental health by partnering with high school students in application-based service. Students will engage critically on concepts such as what it means to be a citizen, how to be an ally and provide access, and the guiding principles of working for peace and justice. The class will cover research methods, social and environmental justice work, asset and community-based approaches, culturally sustaining pedagogy, and science communication. **Pre-requisites:** None

HLTH 350 Health Sciences Capstone
The Senior Capstone will bring students from both concentrations in the Health Sciences major together in an opportunity to share biomedical and psycho-social perspectives in an examination of current health issues. **Pre-requisite:** HLTH 250 and Senior standing as Health Sciences major.

HLTH 360 Introduction to Global Health
This course introduces students to the factors that explain the unequal distribution of health and disease in the world through a series of global health case studies. The course will trace how health policy takes different forms in changing political-economic environments including discussions of primary health care systems (e.g. inadequate investment, health workforce migration management); disease specific policies (e.g., child survival, AIDS treatment); and economic policies (e.g. World Bank & IMF Structural Adjustment Programs, pharmaceutical patent protections). **Pre-requisites:** None

HLTH 370 Molecular Mechanisms of Human Disease
This course surveys current literature as a basis for discussing fundamental concepts in physiology, especially relating to the cellular and molecular determinants of human disease. In addition, connections will be drawn between the research literature and current clinical practices, including the development of therapeutic interventions. Topics will be selected with student input so as to meet individual needs and interests, and will include neurologic, cardiovascular, pulmonary, immunologic, and metabolic diseases. Students will read, review, and discuss primary research literature and group-present key findings in journal club format. **Pre-requisites:** HLTH 301 or BIO 250

HLTH 375 Pharmacology
This course presents the basic principles of pharmacology, including, but not limited to pharmacokinetics, drug distribution, routes of administration, drug metabolism; pharmacodynamics, receptor theory, drug

classification, drug action, and recent advances in pharmacotherapy. **One of the following is a prerequisite for this class:** HLTH 301, HLTH 302, BIO 307, BIO 308 or NEU 201

HLTH 380 Topics in Health Sciences
Upper-level course focused on a specific topic in Health Sciences that involves reading of primary literature and discussion. Can be taken up to 3 times provided that the topics are different. **Pre-requisite:** Varies with course topic

HLTH 397 Mentored Research Experience in Health Sciences
The student and faculty research mentor will work together to formulate a research question based on current knowledge of the health sciences literature. They will develop a data analysis plan. The results and conclusions will be reported in a final project which may be a poster or oral presentation, or research manuscript. In addition, the student will reflect on how the project activities and experiences have contributed to their personal growth as a scientist and their future career plans. Relevant safety and ethical training will be based on the specific proposed research. **Pre-requisite:** Instructor approval

IMPORTANT INFORMATION FOR HEALTH SCIENCES MAJORS

- **Please read through the requirements in the University Catalog and make sure you understand what you need to do to successfully complete your degree. Visit** http://go.depaul.edu/catalog. According to the Undergraduate Student Handbook, "**students bear ultimate responsibility for decisions and actions that determine their success at DePaul University."** You are responsible for understanding your degree requirements and making informed decisions regarding your career planning.

- Be sure that you have officially declared your major and concentration in Campus Connect. Designate your chosen concentration (Bioscience or Public Health Sciences) as required to see all your requirements reflected properly in the Degree Progress Report. This can be done at any time using Campus Connect: Campus Connect > Advising, Progress & Graduation> Change College, Major, or Minor. You can change your concentration at any time, but we strongly recommend that you meet with your academic advisor before making changes.

- For **major exploration support**, please contact the Office of Academic Advising Support at advisingsupport@depaul.edu.

- **Not every course is available every quarter**. You are encouraged to plan effectively and allow for some flexibility as changes arise.

- You must maintain a minimum cumulative GPA of 2.0 or higher to avoid academic probation. You must have a minimum cumulative and major GPA of 2.0 in order to graduate. Please see the Student Handbook and University Catalog for complete details.

- The Experiential Learning component of the Liberal Studies core can be filled in several ways, including through study abroad, research on campus, the University Internship Program managed by The Career Center, or a service learning course. Experiential Learning < DePaul University

- Students in the University Honors Program are required to fulfill the requirements of both that program and the Health Sciences major, and are strongly encouraged to meet regularly with both academic advisors. Honors students will complete two senior capstones: one for Honors and one for Health Sciences. PHL or REL courses taken for the health ethics requirement can be placed in one of the liberal studies electives under the direction of the Honors advisor.

- MAT 130 or higher placement is required for general biology (BIO 191-193) and general chemistry (CHE 130-135), and MAT 131 or higher is required for general physics (PHY 150-152) and calculus (MAT 150-152). Depending upon math placement scores, students should take any needed math courses (MAT 94, MAT 95, MAT 101, and MAT 130) in their freshman year or through the First Year Academic Success program, then take the required biology and chemistry courses once they are completed. Students will use Open Electives for any math pre-requisites.

- A maximum of 50% of courses may be shared in the event of any double major. Students in the Health Sciences Bioscience concentration may not double major in Biological Sciences. Health Sciences majors may not pursue more than one concentration within Health Sciences.

- Courses offered in the student's primary major cannot fulfill Learning Domain requirements (*e.g.* HLTH majors may not take HLTH 229 as a Philosophical Inquiry course). If students double major, Learning Domain courses may count for both LSP credit and the second major.

TRANSFERRING CREDITS TO DEPAUL

Health Sciences students may wish to transfer in credits from other colleges and universities. Since the number and types of courses transferred varies considerably, we strongly urge transfer students to see the advisors in the College of Science & Health or their academic advisor as soon as possible after orientation so that we can make sure you are on track to take the proper courses and establish an appropriate timeline for degree completion.

If you are a current DePaul student wishing to take courses elsewhere for application to your degree here, please contact your academic advisor. You are required to complete a Transfer Credit Approval form and receive approval from the college before you enroll in any course outside of DePaul to order to transfer credit towards your degree.

Students are encouraged to take courses in sequence (i.e. core courses before major electives) to avoid taking more of the earlier required courses in their last few quarters at DePaul. Students should pay particular attention to pre-requisites suggested or required for their desired electives, to ensure that they take the necessary background courses prior to taking the more advanced courses.

Transfer students should meet with an advisor after orientation and bring a complete list of the courses that have been transferred to DePaul, as well as transcripts or information relating to courses you think may not have transferred properly. If you think transferred courses were not applied correctly, bring a course description (and syllabus if possible) to your academic advisor so that the advisor can determine the proper placement of the course or assist you in requesting a review from TrAC.

Students transferring from another major, or from backgrounds with little or no science coursework, should be aware that completion of the degree may take longer than expected due to the required sequencing of courses. In talking with your advisor, make sure that you understand and are comfortable with any outlined timeline for completion of the Health Sciences major.

CAREER AND GRADUATE SCHOOL ADVISING

We strongly recommend that you reach out to the Career Center on campus (http://careercenter.depaul.edu). They have yearlong events, individual career advisors, and great resources for your job and internship search, including Handshake, an excellent job search resource. Find out more at http://depaul.joinhandshake.com.

PRE-HEALTH PROGRAM AND PRE-HEALTH ADVISING COMMITTEE

DePaul's Pre-Health Program offers specialized advising for students interested in pursuing future professional studies in a variety of health careers. The Pre-Health Program is not considered a major, minor, or concentration; therefore, any student with any major is able to register for the program to take advantage of its resources. To learn more about the Pre-Health Program and pre-health professions advising, and to obtain information about upcoming events, we encourage you to visit the website (csh.depaul.edu/academics/pre-health-program).

ADDITIONAL INFORMATION

CLASS STANDING

Freshman:	0-43 credits
Sophomore:	44-87 credits
Junior:	88-131 credits
Senior:	132+ credits

UNDERGRADUATE DEGREE REQUIREMENTS

1. The student must have completed a minimum of 192 quarter hours.
2. The student must have a minimum of 2.000 cumulative grade point average.
3. The student must have completed all requirements for their degree by the last day of term for which they apply for degree conferral.
4. The student must have earned grades of C- or better in all major and minor classes. The cumulative grade point average in each of these areas must be greater than or equal to 2.000.
5. The student must have fulfilled the residency requirement, i.e., they must have completed the following work at DePaul University:
    - the final 60 quarter hours of credit
    - one-half of the credit earned in the major area of concentration

Note: Additional graduation requirements information is in the undergraduate student handbook Students pursuing additional majors, minors or second degrees should consult the Adding Supplementary Credentials to the Bachelor's Degree section for additional information.

REGISTRATION INFORMATION

Continuing students are assigned a registration start-time within a 7 day period, and may continue to enroll through the last day to add classes for the upcoming term. DePaul queues student registration start times based on proximity to graduation as evidenced by credit hours earned. Registration times for students are emailed to students in the 4th week of the prior term.

- ✓ Students are responsible for planning their own programs and for completing course sequences and degree requirements. In planning each quarter's course of studies, students should remember that required courses take precedence over elective courses, and that some advanced courses have prerequisites that must be completed first. Please review the Registration Policies for more information.

- ✓ In Campus Connect, you can use the Add, Drop or Swap Classes functions to help manage your registration. Keep in mind that changes to enrollment can have tuition and financial aid implications.

- ✓ In Campus Connect, you can use the **Course Cart** function to prepare for registration. Classes can easily be added to the Course Cart by either the Class Search or Planner. Adding classes to the Course Cart helps students better prepare and makes for one less step during registration. ***Please be aware that adding classes to your course cart does not guarantee a spot in the class.*** The pathway to the course cart is **Campus Connect > Manage Classes**

- ✓ Waitlist is a feature available for some classes in Campus Connect. If a class is full but has a waitlist option, you can add yourself to the queue and you will be given a position number. As seats open up, waitlisted students are automatically enrolled based on their number. The lower the

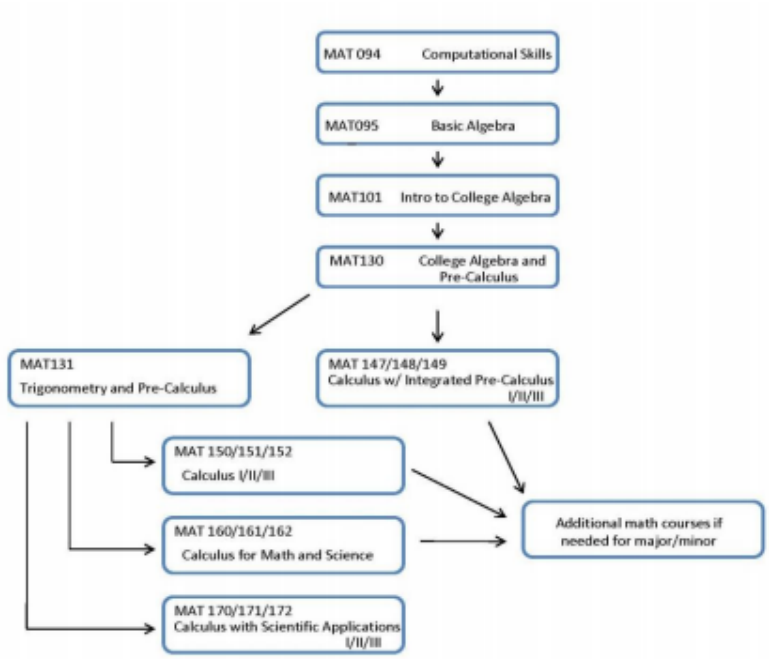
number, the higher the priority. **Make sure the waitlisted class does not conflict with any courses you're already taking.** If a conflict exists and a seat opens up, you will be skipped and moved to the end of the waitlist.

✓ To officially change your college, major, minor and/or concentration use the Declarations and Inter-College Transfer Tool. To use the tool you must be a current, degree-seeking undergraduate student and have never applied for degree conferral/graduation. **Campus Connect > Advising, Progress & Graduation > Change College, Major or Minor**

MATH PLACEMENT

Below is a math path that is useful in determining your math placement. Some pre-requisite notes:

- **MAT 130** is the pre-requisite for General Biology I and General Chemistry I
- **MAT 131** is the pre-requisite for Calculus I and Physics I
- **MAT 147/148/149** – Calculus with integrated pre-calculus. MAT 131 is not needed before taking this sequence. MAT 147 is only offered in the fall quarter; MAT 148 is only offered in the winter quarter; MAT 149 is only offered in the spring quarter. Note: some graduate programs will not take this sequence as the calculus pre-requisite.
- Students only need to complete two calculus courses (i.e. MAT 150/151) to complete the math requirement for the biology major. If students choose to take MAT 147, they must complete 148 and 149.
- **MAT 150/151**– Standard calculus. MAT 150/151 are each offered every quarter
- The **MAT 160/170** sequences are offered infrequently.



SUPPLEMENTAL INSTRUCTION

Supplemental Instruction (SI) is a free program operating out of the Center for Teaching and Learning. SI is an internationally recognized, evidence-backed model that aims to help students successfully complete historically difficult classes (those with high D, F, or Withdraw rates) through weekly peer-assisted study sessions. Targeted SI courses include Biology, Chemistry, and Math. All students in a targeted SI course are highly encouraged to attend SI sessions.

OTHER HELPFUL RESOURCES

- DePaul Course Catalog
- Student Success as an online student
- Course Modes of Instruction Video
- DePaul Academic Calendar: portal of university wide important dates
- DePaul How-to Videos
- University Counseling Services
- Office of Health Promotion and Wellness
- Office of Multicultural Student Success
- Adult, Veteran and Commuter Student Affairs
- Center for Students with Disabilities
- Dean of Students Office

APPENDIX A

BIOSCIENCE CONCENTRATION (CHECK UNIVERSITY CATALOG TO CONFIRM)

MAJOR CORE

HLTH 200 Foundations of Health Sciences
HLTH 210 Introduction to Public Health
HLTH 250 Health Care Policy in the US
BIO 191 General Biology I
HLTH 350 Health Sciences Capstone
Health Ethics (REL 229 for Religious Dimensions, PHL 229 for Philosophical Inquiry, or HLTH 229 for Conc. Elective)

CONCENTRATION CORE

BIO 192 General Biology II
BIO 193 General Biology III
BIO 206 Biostatistics
BIO 210 Microbiology
CHE 130/131 General Chemistry I and lab
CHE 132/133 General Chemistry II and lab
CHE 134/135 General Chemistry III and lab
BIO 250 Cell Biology
HLTH 301 Integrated Human Anatomy and Physiology A *and* HLTH 302 Integrated Human Anatomy and Physiology B
or BIO 201 Human Anatomy *and* BIO 308 Human Physiology*

BIOSCIENCE CONCENTRATION ELECTIVES: CHOOSE 7 FROM THE FOLLOWING

HLTH 220 Intro to Occupational Therapy
HLTH 229 Ethics for Health Sciences
HLTH 272 Intro to Medical Anthropology
HLTH 310 Fundamentals of Epidemiology
HLTH 315 Maternal Child Health
HLTH 318 Aging Populations
HLTH 320 Molecular Virology
HLTH 325 Physiology of Poverty
HLTH 327 Physio & Social Impact of Drug Use
HLTH 329 Medical Humanities
HLTH 339 Bioethics and Society Capstone
HLTH 341 Death and Dying
HLTH 345 Fundamentals Environmental Health
HLTH 360 Intro to Global Health
HLTH 370 Molecular Mechanisms of Disease
HLTH 375 Intro to Pharmacology
HLTH 380 Topics in Health Sciences
HLTH 397 Mentored Research Experience
HLTH 399 Independent Study
ANT 361 Global Issues in Women' Health
or ANT 362 Global History of Health
BIO 260 Genetics
BIO 311 Histology
BIO 330 Developmental Biology
BIO 339 Cellular Neurobiology
BIO 340 Systems Neurobiology
BIO 347 Topics in Medical Bacteriology
BIO 348 The Biology of Infection
BIO 360 Molecular Biology
BIO 365 Principles of Toxicology
BIO 370 Immunobiology
BIO 380 Cancer Biology
BIO 386 Endocrinology
CHE 230/231 Organic Chemistry I
CHE 232/233 Organic Chemistry II
CHE 234/235 Organic Chemistry III
CHE 236/237 Organic Chemistry I
CHE 238/239 Organic Chemistry II
CHE 340/341 Biochemistry I
CHE 342/343 Biochemistry II
CHE 346 Principles of Biochemistry
CHE 360 Medical Chemistry
CHE 362 Drugs and Toxicology
CHE 364 Nutrition
CMNS 315 Health Communication
KNES 273 Health and Nutrition
KNES 351 Kinesiology
MAT 150 Calculus I
MAT 151 Calculus II
MAT 152 Calculus III
NEU 201 Introduction to Neuroscience
PHY 150 General Physics I
PHY 151 General Physics II
PHY 152 General Physics III
PSY 105 Introductory Psychology I
or PSY 106 Introductory Psychology II
PSY 303 Human Development
PSY 353 Psychopathology and Clinical Science
SOC 373 Public Health and High Risk Behavior

*STUDENTS MAY NOT COMBINE THE HLTH AND BIO ANATOMY AND PHYSIOLOGY COURSES (*EG* HLTH 301 AND BIO 201).

APPENDIX B

PUBLIC HEALTH SCIENCES CONCENTRATION (CHECK UNIV. CATALOG TO CONFIRM)

MAJOR CORE

HLTH 200 Foundations of Health Sciences
HLTH 210 Introduction to Public Health
HLTH 250 Health Care Policy in the US
HLTH 350 Health Sciences Capstone
BIO 191 General Biology I
Health Ethics (REL 229 for Religious Dimensions, PHL 229 for Philosophical Inquiry, or HLTH 229 for Conc. Elective)

CONCENTRATION CORE

HLTH 194 Human Pathogens and Defense
HLTH 195 Human Form and Function
HLTH 272 Introduction to Medical Anthropology
HLTH 310 Fundamentals of Epidemiology
HLTH 325 Physiology of Poverty or HLTH 345 Fundamentals of Environmental Health
HLTH 335 Community Health Assessment
HLTH 336 Program Evaluation
HLTH 360 Introduction to Global Health
CMNS 315 Health Communication
PSY 354 Community Psychology
Statistics: SOC 279 or PSY 240 or MAT 242 or BIO 206 or HLTH 240

PUBLIC HEALTH SCIENCES CONCENTRATION ELECTIVES: CHOOSE 4 FROM THE FOLLOWING

HLTH 220 Intro to Occupational Therapy
HLTH 229 Ethics for Health Sciences
HLTH 230 Fundamentals of Health Education
HLTH 236 Gay Men's Health Matters
HLTH 315 Maternal Child Health
HLTH 318 Aging Populations
HLTH 325 Physiology of Poverty
HLTH 327: Physiology and Social Impact of Drug Use
HLTH 329 Health Humanities
HLTH 339 Bioethics in Society
HLTH 341 Death and Dying
HLTH 343 Cannabis Studies and Social Justice
HLTH 345 Fundamentals of Environmental Health
HLTH 370 Molecular Mechanisms of Human Disease
HLTH 380 Topics in Health Sciences
HLTH 397 Mentored Research Experience in Health Sciences
HLTH 399 Independent Study
ANT 361 Global Issues in Women' Health **or** ANT 362 Global History of Health
BIO 192 General Biology II
BIO 193 General Biology III
ECO 326 Health Economics
KNES 273 Health and Nutrition ***or*** SOC 370 Sociology of Food
KNES 351 Kinesiology
NEU 201 Introduction to Neuroscience
PRAD 338 Health and Public Relations
PSY 105 Introductory Psychology ***or*** PSY 106 Introductory Psychology II
PSY 215 Human Sexuality
PSY 345 Cultural Issues in Psychology
PSY 353 Abnormal Psych ***or*** PSY 302 Personal Adjustment and Mental Health ***or*** SOC 353 Sociology of Mental Illness
PSY 355 Groups and Organizations ***or*** CMNS 212 Communication in Teams ***or*** CMNS 251 Organizational Comm
PSY 363 Substance Use Disorders and Recovery ***or*** SOC 307 Sociology of Drugs
SOC 321 Health and Human Services Organizations
SOC 373 Public Health: High Risk Behaviors