

Honors College

John Martinson Honors College

Welcome to the John Martinson Honors College

Community of Scholars

Purdue University's John Martinson Honors College fosters collaborative learning, promotes individual research and community engagement, and prepares students for a global world. We encourage you to participate actively in this community, both inside and out of the classroom.

Mission

Our mission is to create and foster well-rounded, well-educated global leaders. We work to create student leaders on campus who impact society from their very first semester. The four pillars, our primary tenets, come together to help us accomplish this mission. They are: leadership development, undergraduate research, community and global experiences, and interdisciplinary academics.

Leadership Development

- Opportunities and Experiences - Numerous opportunities and experiences exist for students to develop leadership skills crucial for academic and professional success.
- Student Organizations - Our student-driven organizations provide opportunities to make a difference in the Honors College, the campus, surrounding communities, and beyond.
- Interdisciplinary Teamwork - Living and learning in an interdisciplinary environment fosters increased involvement and helps develop problem-solving skills.
- Student Mentorship - Peer mentors help in facilitating the first-year course and lead groups of students working on projects.

Undergraduate Research

- Undergraduate Research - Undergraduate research is a built-in component of honors learning, broadening each student's understanding of global issues.
- World-class Faculty - Honors students have the opportunity to work with the top instructors on campus, most of whom are award-winning professors.
- Scholarly Project - The scholarly project involves students in the creation of new knowledge.
- Interdisciplinary Breadth - Interdisciplinary seminars help students understand the many complexities and issues crossing disciplines.

Community and Global Experiences

- Global Experience - Students engage with visiting scholars and international classmates from across the world, creating intercultural bonds of friendship.
- Collaboration - Hailing from diverse geographical and educational backgrounds, honors students practice the collaborative skills and approaches for addressing issues in the global economy.
- Faculty Engagement - Our faculty is engaged with the students both inside and outside the classroom.
- Honors Activities - Honors College activities provide ways to forge friendships within the community as well as to develop a culture of giving and engagement.

Interdisciplinary Academics

- Interdisciplinary Thinking - Honors courses are comprised of students from all disciplines from across the university, allowing for open dialogue and collaboration.
- Lateral Learning - Through discussion-based honors courses, students learn from one another daily.
- National and International Scholarships Office (NISO) - The professionals at NISO mentor students through the application process for prestigious scholarships.
- Global Learning - Students are exposed to a variety of global travel opportunities that lead to academic and personal growth.

Contact Information

To learn more, schedule a campus visit, or meet with a current Honors College student, please contact the John Martinson Honors College main office at 765-494-2929.

Purdue University John Martinson Honors College

Honors College & Residences
1101 Third Street
West Lafayette, IN 47906

Phone: (765) 494-2929

Non-Degree

Honors College Requirements

College Requirements

John Martinson Honors College Requirements (24 honors credits, plus a scholarly project)

The Honors College curriculum is designed to complement and enhance a student's major degree (which includes the PharmD, P1-P4) to promote interdisciplinary awareness, and to support research and creative endeavors. The majority of the required credits may double count towards the student's major and the foundational core. Students in the John Martinson Honors College must have a cumulative GPA of 3.30 or higher and have completed all Honors College requirements to graduate with honors.

Honors Requirements (24 credits)

HONR courses (5 credits)

- HONR 19901 - Honors First Yr Experience I **Credits: 1.00**
- HONR 19902 - Honors First Yr Experience II **Credits: 1.00**
- HONR course(s) - Credit Hours: 3.00

Elective Honors courses (19 credits)

1. HONR courses other than those used to meet requirement 1 above
2. Courses or course sections with an H designation
3. Courses taken with an H contract
4. 50000-level courses
5. Supervised research courses (e.g., undergraduate research, directed study, independent research, honors thesis)

Scholarly Project

A student must engage in a sustained project, either on or off campus, in which the student creates new knowledge. Results of this research or creative project should be presented in a public forum (e.g. publication, presentation, display, or performance). Students may satisfy this requirement by choosing one of the following options:

1. Propose and complete a project.

Complete a project related to your major or to other educational experiences or propose a project of your own design to the Honors College scholarly project committee.

2. Complete one of the courses listed.

Complete a course designated scholarly project completion courses designated as fulfilling the scholarly project 3-credit, project-based courses taught by an honors college faculty member, designed to meet the learning outcomes of the scholarly project in one semester.

- HONR 46000 - Technological Justice **Credits: 3.00**
- HONR 46200 - Protein Design With FoldIt **Credits: 3.00**
- HONR 46400 - Scholarly Project **Credits: 3.00**

3. Complete Research

This class establishes a new pathway for Honors completion through a critical reflection of a student's engagement with the Undergraduate Research pillar of the college. This course empowers Honors College students to leverage their research, scholarly, and creative experiences to complete the Honors College curriculum.

- HONR 46300 - Research Thinking Portfolio **Credits: 2.00**

Continuing and Transfer Students (18 credits + Scholarly Project)

Up to 9 honors credits may be transferred from another institution. The scholarly project requirement must be completed after matriculation to Purdue University; it cannot be fulfilled by research or coursework undertaken at a previous institution.

- HONR 22000 - Community Of Inquiry **Credits: 2.00**
- HONR course - Credit Hours: 3.00
- HONR course - Credit Hours: 13.00

Honors Requirements for Undergrad Students with Honors Attribute

College Requirements

John Martinson Honors College Requirements (24 honors credits, plus a scholarly project)

The Honors College curriculum is designed to complement and enhance a student's major degree (which includes the PharmD, P1-P4) to promote interdisciplinary awareness, and to support research and creative endeavors. The majority of the required credits may double count towards the student's major and the foundational core. Students in the John Martinson Honors College must have a cumulative GPA of 3.30 or higher and have completed all Honors College requirements to graduate with honors.

New First-Year Students

Students who enter the Honors College in their first year will complete 24 credits of honors coursework plus a scholarly project

Honors Requirements (24 credits)

HONR courses (5 credits)

- HONR 19901 - Honors First Yr Experience I **Credits: 1.00**
- HONR 19902 - Honors First Yr Experience II **Credits: 1.00**
- Additional HONR course (3 credits)

Elective Honors courses (19 credits)

1. HONR courses other than those used to meet requirement 1 above
2. Courses or course sections with an H designation
3. Courses taken with an H contract
4. 50000-level courses
5. Supervised research courses (e.g., undergraduate research, directed study, independent research, honors thesis)

Scholarly Project (Choose One Option)

A student must engage in a sustained project, either on or off campus, in which the student creates new knowledge. Results of this research or creative project should be presented in a public forum (e.g. publication, presentation, display, or performance). Students may satisfy this requirement by choosing **one** of the following options:

Option 1: Propose and complete a project

Propose and Complete a project related to your major or to other educational experiences or propose a project of your own design to the Honors College scholarly project committee.

Option 2: Complete one of the HONR courses designated to fulfill the scholarly project

Complete one of the HONR courses designated as scholarly project completion courses.

- HONR 46000 - Technological Justice **Credits: 3.00**
- HONR 46100 - Well-Being **Credits: 3.00**
- HONR 46200 - Protein Design With FoldIt **Credits: 3.00**
- HONR 46300 - Research Thinking Portfolio **Credits: 2.00**

- HONR 46400 - Scholarly Project **Credits: 3.00**

Continuing and Transfer Students

Continuing and Transfer Honors Requirements (18 credits + Scholarly Project)

Up to 9 honors credits may be transferred from another institution. The scholarly project requirement must be completed after matriculation to Purdue University; it cannot be fulfilled by research or coursework undertaken at a previous institution.

Honors Courses (18 credits)

- HONR 22000 - Community Of Inquiry **Credits: 2.00**
- HONR course - Credit Hours: 3.00
- HONR course - Credit Hours: 13.00

Scholarly Project (Choose One Option)

Option 1: Propose and complete a project

Option 2: Complete one of the HONR courses designated to fulfill the scholarly project

Supervised research course options

Under research credit section: This is a list of pre-approved honors selective courses. It is not an exhaustive list. If you are taking research for credit and you do not see the course on this list, please contact your honors advisor for more information.

- ANTH 49800 - Senior Honors Paper **Credits: 3.00**
- BIOL 49900 - Biology Honors Thesis Research **Credits: 1.00 to 4.00**
- CHM 49900 - Special Assignments **Credits: 1.00 to 5.00**
- CS 49700 - Honors Research Project **Credits: 3.00**
- ECON 49900 - Economics Capstone Research **Credits: 3.00**
- FS 49900 - Thesis Research **Credits: 1.00 to 6.00**
- HIST 42200 - Honors Thesis In Historical Research **Credits: 3.00**
- HTM 39700 - Directed Honors Research **Credits: 1.00 to 3.00**
- HTM 49700 - Honors Research Project **Credits: 1.00 to 4.00**
- NUTR 49700 - Honors Research Project **Credits: 1.00 to 3.00**
- SOC 49700 - Senior Honors Seminar **Credits: 3.00**
- SOC 49800 - Senior Honors Paper **Credits: 3.00**

Honors

HONR 12000 - Introduction To Research

Credit Hours: 3.00. In this course you will take an idea and blow it up. You will "blow it up" to better understand its elements, and its connections to various ways of creating knowledge. Then you will take the resultant pieces and use them to construct a research plan that's inclusive of at least two forms of inquiry. **Credits: 3.00**

HONR 19900 - Interdisciplinary Honors - Introductory Seminar

Credit Hours: 1.00 to 6.00. These introductory topic seminars are designed to open intellectual horizons and allow opportunities for learning by inquiry in a collaborative environment. Courses are limited to 20 participants or less, may be team-taught, and emphasize close interaction between the professor(s) and the students. **Credits:** 1.00 to 6.00

HONR 19901 - Honors First Yr Experience I

Credit Hours: 1.00. All JMHC students take this 1 credit course each semester (fall and spring) of their first year. This "Honors First Year Experience" is designed to introduce students to college-level honors education. Learning outcomes include how to be flexible thinkers, inclusive collaborators, and ethical leaders. In fall, students explore interdisciplinary topics in small seminars with dedicated faculty and work in groups with JMHC student mentors in "world readiness" labs. **Credits:** 1.00

HONR 19902 - Honors First Yr Experience II

Credit Hours: 1.00. All JMHC students take this course each semester (fall and spring) of their first year. This course is designed to introduce students to college-level honors education. Learning outcomes include how to be flexible thinkers, inclusive collaborators, and ethical leaders. This course is the second half of the required course sequence taken by all students entering the Honors College. Restricted to Honors College students. **Credits:** 1.00

HONR 19903 - Interdisciplinary Approaches In Writing

Credit Hours: 3.00. This course is a writing-intensive course in which students learn how to find, evaluate, and use credible information, how to express themselves well in a variety of different written genres, and how to write for different audiences. **Credits:** 3.00

HONR 22000 - Community Of Inquiry

Credit Hours: 2.00. This course is for new members of the Honors College community, who entered as continuing Purdue students or transferred to Purdue. It, being your first or one of your first courses in the Honors College, is designed to help you hone some of the fundamental learning outcomes of an honors education: interdisciplinary thinking, critical thinking, problem-solving, research thinking, collaboration, and global awareness. You will also engage with the pillars of the Honors College and develop community within the Honors College. To accomplish these objectives, the course is simultaneously project-based and experiential. You will work in multi-disciplinary teams on applied research that emphasizes critical and multi-dimensional thinking about real-world problems. Through project-based learning, you will move your skills beyond identifying and understanding a problem to identifying and formulating solutions to that problem. The problem addressed in the course is local or global in scope and has social, economic, political, and/or environmental implications for our local and/or global community as well as begs a multi-disciplinary, innovative solution. Continuing in the vein of experiential learning and of building your honors ethos, you will attend events (some as a class, others individually) and participate in programs in the Honors College and across campus that embody the Honors College's pillars: Community and Global Engagement, Leadership, Research, and Interdisciplinary Academics. You will curate a schedule of events that take place during the semester and reflect on these experiences. Permission of department required. **Credits:** 2.00

HONR 22100 - Exploring Place

Credit Hours: 3.00. "Exploring Place" is an examination of the cultural, social and historical dynamics that influence communities and relationships of a site. Blending independent study and distance learning, in this experiential learning course, the student and the instructor work together to design an individualized, in-depth study of the place in which the student is located. This study will be attentive to the social, cultural, political, economic, and other forces that have shaped this place historically and today, while also focusing on community life and the relationships between residents, institutions, organizations, and others. Exploring Place offers students the opportunity to better understand the people and places around them, expand their

worldviews, and increase their self-awareness as they engage within these spaces and understand their place in them. **Credits:** 3.00

HONR 22200 - Solutions Lab Global

Credit Hours: 2.00. In this course, students from Purdue University (West Lafayette, Indiana) and at universities abroad will collaborate virtually in interdisciplinary teams to identify solutions to a major global challenge. Each semester, the theme of the global challenge changes. At the start of the course, students at both universities will meet together as a class to learn about the topic from a range of disciplinary perspectives through guest lectures, assigned readings, and class discussions. Students will then be divided into interdisciplinary teams with members from both universities and provided a prompt related to the semester's theme. Teams will spend several weeks of the course focused on researching, developing, and packaging their solutions, before presenting them publicly at the end of the term. In addition to increasing knowledge of the topic and improving teamwork skills, students in this course will advance in intercultural knowledge, skills, and attitudes through their international collaborative experience. **Credits:** 2.00

HONR 29500 - Interdisciplinary Honors - Independent Experience

Credit Hours: 1.00 to 3.00. Individual experiential projects undertaken with faculty supervision. Permission of instructor required. **Credits:** 1.00 to 3.00

HONR 29900 - Interdisciplinary Honors - Experiential Learning

Credit Hours: 1.00 to 6.00. These interdisciplinary topics seminars are designed to offer experiential learning on campus, in the community, and around the world. Courses are limited to 20 participants or fewer, may be team-taught, and emphasize close interaction between the professor(s) and the students. Students will participate in active learning exercises that may include study away and study abroad, workshops, research and creative skill building, community collaboration, and/or service learning. Seminar topics will vary from semester to semester. **Credits:** 1.00 to 6.00

HONR 29901 - Interdisciplinary Honors - Honors Mentors

Credit Hours: 2.00. This hands-on course provides leadership training to the continuing Honors College students selected to work as mentors for the required, first-year honors course. Students work closely with a faculty instructor. Restricted to Honors College students. Department permission required. **Credits:** 2.00

HONR 31000 - Space-Time!

Credit Hours: 3.00. In Space-time!, we will explore how our relationship to space and time has changed over human history. We will focus primarily on the last two centuries and how interconnected changes in science, technology, and culture altered our sense of the scope, age, and nature of the reality around us. The ideas around space and time offer us an occasion to see how arts, philosophy, sciences, and our own experiences shape the way we see the world. Students, too, will explore the cross-influences of arts, philosophy, and sciences, as they write their own creative works, engage complex ideas from new perspectives, and expand their imaginations. **Credits:** 3.00

HONR 31100 - Replicants

Credit Hours: 3.00. From ancient mythology to Blade Runner 2049, the creation of artificial bodies has captured the human imagination. This course asks: how do the materials we use to re-create the human body affect the way that we construct our humanity? We will examine the different materials people have used to replicate the body throughout history. The course is organized thematically by materials such as wood, wax, silicone, and digital media. This course emphasizes hands-on learning; we will cast wax masks, sculpt clay figurines, and create automata, among other experiential activities. The types of replicants we

will study in this course range from voodoo dolls to Real Dolls, death masks to Deep Fakes, and statues to cyborgs. For the final project, you will choose a case study of a replicant to write about in an exploratory paper. **Credits:** 3.00

HONR 31200 - Jazz

Credit Hours: 3.00. Jazz artists "speak to each other in the language of music." In Jazz, we will explore the nature of this artistic conversation with many of its cultural influences, geographical variations, and temporal iterations. Throughout our time together we will interrogate varying facets of the social impact such a conversation facilitates. Furthermore, we will explore the musical language of jazz with its power to make collective performance stronger. And we will investigate the ways in which this artists' talk became the "talk of the town" and country as a medium through which people could break from dominant cultures. We will make sense of and process our journey by creating our own jazz ensemble, featuring the layered textures of our lives as inspiration for the note and lyric. **Credits:** 3.00

HONR 31300 - Science, Technology, & Society

Credit Hours: 3.00. Science and technology are deeply intertwined with the distribution of costs and benefits in human society, underscoring the need for critical perspectives. This project-based course will examine the social and ethical implications of science and technology using interdisciplinary methodologies/approaches. Students will have the opportunity to address questions such as: How have particular scientific discoveries and technologies emerged or evolved? How have they shaped society, and how has society shaped science and technology? How have science and technology compounded social inequalities (race, class, gender), and how can they be changed to reduce inequalities? Topics that will be explored will vary each semester. **Credits:** 3.00

HONR 31400 - The Human Epoch

Credit Hours: 3.00. In this course, students will explore the entangled relations between humanity and the environment from multiple social contexts and time periods. Throughout the class, students will read, analyze, and discuss interdisciplinary scholarship from the social and behavioral sciences. Classroom activities will take the form of discussion, projects and group assignments, and writing assignments, with an emphasis on peer-to-peer learning. Students will create a project aimed at a public audience that demonstrates knowledge about key course topics and communicates connections between social/behavioral knowledge and personal, civic, ethical, or global decisions and policies. As a result of taking this course, students will be able to understand and evaluate critical questions about humanity and its ecologies, recognize the importance of those questions for various audiences, and draw connections between course materials and their own perspectives about the world. **Credits:** 3.00

HONR 31500 - Across Differences

Credit Hours: 3.00. To understand and combat systemic injustices, our students must be equipped to engage with the historical and present-day racial and ethnic "reckonings" that define the United States, and large parts of the globe. This course offers students an opportunity to focus on cultural landscapes/contexts, to learn how race and ethnicity permeate cultural texts, genres, and industries. The course trains students to recognize how race-and-ethnicity-based inequities intersect with issues of class, gender, and/or sexuality, and how these intersections articulate themselves in/through culture. Students will grapple with the colonial, national, transatlantic, trans-cultural, and diasporic underpinnings of culture. Topics that will be explored will vary each semester, but to attend to the diverse ways in which students learn and demonstrate their learning, all sections will use interdisciplinary materials like songs, films, video games, sporting events, poems, neighborhood maps, photographs, fine art pieces, oral histories, interviews, and newspapers, in addition to traditional/scholarly publications. **Credits:** 3.00

HONR 39500 - Interdisciplinary Honors - Independent Study

Credit Hours: 1.00 to 3.00. Individualized course of study undertaken with faculty supervision. Permission of instructor required. **Credits:** 1.00 to 3.00

HONR 39900 - Interdisciplinary Honors - Special Topics Seminar

Credit Hours: 1.00 to 6.00. This course is designated for a wide range of honors seminars that stress interdisciplinary understanding, intellectual flexibility, creative thought, and group discussion. Topics vary by semester. Open to students at all levels. **Credits:** 1.00 to 6.00

HONR 46000 - Technological Justice

Credit Hours: 3.00. In this course, students will study interdisciplinary approaches to technology ethics for responding to today's pressing technological dilemmas in a range of contexts, from healthcare, mass incarceration, and airport security to social media, smart cities, and space travel. Students will grapple with how historical and present-day inequalities, institutional environments, decision-making cultures, and regulatory systems impact the technological design process and distribution of technology's risks and rewards in society. We will ask ourselves how relations of power inform the ways technologies are designed and experienced, as well as how power shapes dominant and insurgent approaches to achieving technological justice. The primary deliverable in this class is for you to conceive of and carry out your own "Technological Justice" Project, based on your interests, passions, and personal and/or professional goals. **Credits:** 3.00

HONR 46100 - Well-Being

Credit Hours: 3.00. Copenhagen, Zurich, Helsinki, Stockholm, and Tokyo are the five most livable cities in the world according to MONOCLE's 2021 Quality of Life Index. They are the highest-ranking cities when using metrics to measure crime, emergency services' response time, transportation networks, cycling culture, food, drink, retail, and the number of independent bookshops. MONOCLE's Quality of Life survey is one among the many that exist to rank the world's best cities, but wealth is one theme that emerges from among the varying indices and their respective results. The metrics, indeed the participants responding to the metrics, represent populations of people with high levels of discretionary income. How might the metrics reflect different values if these indices include a different kind of participant, such as the urban poor? **Credits:** 3.00

HONR 46200 - Protein Design With FoldIt

Credit Hours: 3.00. The protein folding problem is a grand challenge in biology. How does a protein's amino acid sequence dictate its three-dimensional structure? FoldIt is an online game in which players determine the most stable folded structure of hypothetical proteins that have been predicted by unique computer algorithms to perform specific functions in the cell. Students in this course will be introduced to the mechanics of the FoldIt software to fold computer-predicted proteins into their native structures as well as design novel proteins that can bind and deactivate the COVID-19 spike protein. **Credits:** 3.00

HONR 46300 - Research Thinking Portfolio

Credit Hours: 2.00. This course establishes a new pathway for Honors completion through a critical engagement with the Undergraduate Research pillar of the college. This course will empower Honors students to leverage their research, scholarly, and creative experiences in curricular as well as co- and extra-curricular experiences toward completing the HC curriculum. Our course will combine workshops, hands-on laboratories, group discussion, and one-on-one meetings. The major assignment is a reflective portfolio, which will serve as a record of your past experiences and an opportunity to reflect on the ways in which your time as an Honors College student has shaped your research thinking and helped prepare you for life beyond the university. Successful completion of the course fulfills the scholarly project requirement of the HC curriculum. **Credits:** 2.00

HONR 46400 - Scholarly Project

Credit Hours: 3.00. This course fulfills the scholarly project requirement of the Honors College curriculum. Students will engage in original research projects that produce new knowledge. **Credits:** 3.00

HONR 49500 - Honors Independent Research

Credit Hours: 1.00 to 6.00. Individualized research under faculty supervision. Permission of instructor required. **Credits:** 1.00 to 6.00

HONR 49900 - Honors Research Project

Credit Hours: 1.00 to 6.00. This course is designated for a wide range of faculty-led collaborative research projects. Topics will vary by semester. Permission of department required. **Credits:** 1.00 to 6.00

HONR 59901 - Research Mentorship Development Program

Credit Hours: 3.00. The Research Mentorship Development Program is designed for Purdue based on a nationally recognized curriculum and prepares graduate students or postdocs to mentor undergraduates in research. Effective mentoring of undergraduate researchers requires specific skillsets and approaches. Implementation of these strategies can lead to a productive and mutually beneficial experience for both students and their mentors. The course is designed for graduate students who plan to work with new researchers in their labs or research groups and who plan to enter academia or pursue careers in which they will mentor others in scholarship or research. Graduate students or postdocs selected for the program are matched with honors students who are interested in research. Permission of department required. **Credits:** 3.00