LANDSCAPE AND URBAN STUDIES, B.S.

The Landscape and Urban Studies Major integrates the biological, physical, and social sciences; humanities; arts; and technology to provide students with broad knowledge and skills to recognize and evaluate current and future issues in urban and regional land use. These include, but are not limited to, sustainable and equitable land use, social and spatial inequalities, and planning and design solutions through conservation, management, and restoration of integrated natural and cultural systems. The major provides students the flexibility of a liberal arts education and opportunities to specialize in several directions: Culture, Health and Community; Restoration and Ecological Design; and Urban Studies. The major also provides students opportunities to explore the design and planning professions. Students who graduate from the major are prepared for starting positions in public or private agencies that oversee conservation, land management, cultural landscape conservation, and planning or for continuing on to graduate school, in particular, professionally accredited programs in Landscape Architecture, Planning, or Environmental Studies. The major is recommended for those wishing to provide input on how the natural world and human dwelling can mutually and beneficially occur with a focus on cultural and natural resource protection, green infrastructure, social equity, and policy.

HOW TO GET IN

Students who intend to declare their major in Landscape and Urban Studies are encouraged to schedule an appointment with the Undergraduate Advisor in the Department of Planning and Landscape Architecture.

Students who attend a summer SOAR (Student Orientation, Advising, and Registration) session with the College of Letters and Science have the option to declare this major at SOAR. Students may otherwise declare after they have begun their undergraduate studies.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE BREADTH AND DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (B.S.)

Students pursuing a bachelor of science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum. View a comparison of the degree requirements here. (https://pubs.wisc.edu/home/archives/ug15/images/babs2009.pdf)

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics

Two (2) 3+ credits of intermediate/advanced level MATH, COMP SCI, STAT

Limit one each: COMP SCI, STAT

Foreign Language

Complete the third unit of a foreign language

Note: A unit is one year of high school work or one semester/term of college work.

L&S Breadth

- Humanities, 12 credits: 6 of the 12 credits must be in literature
- Social Sciences, 12 credits
- Natural Sciences, 12 credits: must include 6 credits in biological science; and must include 6 credits in physical science

Liberal Arts and Science Coursework

108 credits

Depth of Intermediate/Advanced work

60 intermediate or advanced credits

Major

Declare and complete at least one (1) major

Total Credits

120 credits

UW-Madison Experience

30 credits in residence, overall

Minimum

2,000 in all coursework at UW–Madison

GPAs

2,000 in intermediate/advanced coursework at UW–Madison

NON–L&S STUDENTS PURSING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements and do not need to complete the L&S breadth and
degree requirements above. Please note that the following special degree programs are not considered majors so are not available to non-L&S-degree-seeking candidates:

- Applied Mathematics, Engineering and Physics (Bachelor of Science—Applied Mathematics, Engineering and Physics)
- Journalism (Bachelor of Arts—Journalism; Bachelor of Science—Journalism)
- Music (Bachelor of Music)
- Social Work (Bachelor of Social Work)

**REQUIREMENTS FOR THE MAJOR**

Students interested in the major are required to complete a set of introductory courses, breadth in the major under three categories: Biological and Physical Environment, Social and Cultural Studies and Technology and 15 credits of electives (see an Advisor and the Advising tab for recommended focused elective sets).

Landscape and Urban Studies majors must complete at least 47 credits in the major, including the following:

### INTRODUCTORY COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAND ARC 250</td>
<td>Survey of Landscape Architecture Design</td>
<td>3</td>
</tr>
<tr>
<td>LAND ARC 260</td>
<td>History of Landscape Architecture</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/ENVIR ST 127</td>
<td>Physical Systems of the Environment</td>
<td>4-5</td>
</tr>
<tr>
<td>or LAND ARC 211</td>
<td>Landscape Inventory and Evaluation Methods</td>
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<tr>
<td>URB R PL/ LAND ARC 463</td>
<td>Evolution of American Planning</td>
<td>3</td>
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</table>

**Total Credits**: 13-14

### BIOLOGICAL AND PHYSICAL ENVIRONMENT

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete two courses from:</td>
<td></td>
<td>6-9</td>
</tr>
<tr>
<td>BOTANY 100</td>
<td>Survey of Botany</td>
<td></td>
</tr>
<tr>
<td>or BOTANY/ BIOLOGY 130</td>
<td>General Botany</td>
<td></td>
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<tr>
<td>BOTANY/ ENVIR ST/ ZOOLOGY 260</td>
<td>Introductory Ecology</td>
<td></td>
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<tr>
<td>or BOTANY/ F&amp;W ECOL/ ZOOLOGY 460</td>
<td>General Ecology</td>
<td></td>
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<tr>
<td>BOTANY/ GEOG 338</td>
<td>Environmental Biogeography</td>
<td></td>
</tr>
<tr>
<td>GEOG/ ENVIR ST 339</td>
<td>Environmental Conservation</td>
<td></td>
</tr>
<tr>
<td>SOIL SCI/ ENVIR ST/ GEOG 230</td>
<td>Soil: Ecosystem and Resource</td>
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<tr>
<td>or SOIL SCI 301</td>
<td>General Soil Science</td>
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</table>

**Total Credits**: 6-9

### TECHNOLOGY

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete two courses from:</td>
<td></td>
<td>6-8</td>
</tr>
<tr>
<td>GEOG/CIV ENGR/ ENVIR ST 377</td>
<td>An Introduction to Geographic Information Systems</td>
<td></td>
</tr>
<tr>
<td>LAND ARC 211</td>
<td>Landscape Inventory and Evaluation Methods</td>
<td></td>
</tr>
<tr>
<td>LAND ARC 460</td>
<td>Advanced Visual Communication in Landscape Architecture</td>
<td></td>
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<tr>
<td>LAND ARC/ ENVIR ST/ GEOG/ URB R PL 532</td>
<td>Applications of Geographic Information Systems in Planning</td>
<td></td>
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<tr>
<td>LAND ARC/ ENVIR ST/ SOIL SCI 695</td>
<td>Applications of Geographic Information Systems in Natural Resources</td>
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</table>

**Total Credits**: 6-8

### CAPSTONE

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete one course from:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAND ARC 677</td>
<td>Cultural Resource Preservation and Landscape History</td>
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<tr>
<td>or LAND ARC 66</td>
<td>Restoration Ecology</td>
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<tr>
<td>URB R PL 601</td>
<td>Site Planning</td>
<td></td>
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<tr>
<td>URB R PL 611</td>
<td>Urban Design: Theory and Practice</td>
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</table>

**Total Credits**: 3
## ELECTIVES ¹

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>15 credits, chosen from:</strong></td>
<td></td>
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<tr>
<td>AGRONOMY/</td>
<td>Grassland Ecology</td>
<td>15</td>
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<tr>
<td>BOTANY/</td>
<td></td>
<td></td>
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<tr>
<td>SOIL SCI 370</td>
<td></td>
<td></td>
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<tr>
<td>ANTHRO/AMER IND 354</td>
<td>Archaeology of Wisconsin</td>
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<tr>
<td>or ANTHRO/AMER IND 353</td>
<td>Indians of the Western Great Lakes</td>
<td></td>
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<tr>
<td>or AMER IND 250</td>
<td>Indians of Wisconsin</td>
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<tr>
<td>or AMER IND/ANTHRO/FOLKLORE 431</td>
<td>Native American Environmental Issues and the Media</td>
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<tr>
<td>or AMER IND/LSC 444</td>
<td>Poverty and Place</td>
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<tr>
<td>or AMER IND/C&amp;E SOC/SOC 578</td>
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<td></td>
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<tr>
<td>ANTHRO/AMER IND/BOTANY 474</td>
<td>Ethnobotany</td>
<td></td>
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<tr>
<td>ART HIST 457</td>
<td>History of American Vernacular Architecture and Landscapes</td>
<td></td>
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<tr>
<td>or ART HIST/ANTHRO/DS/HISTORY/LAND ARC 264</td>
<td>Dimensions of Material Culture</td>
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<tr>
<td>BOTANY 400</td>
<td>Plant Systematics</td>
<td></td>
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<tr>
<td>or BOTANY 401</td>
<td>Vascular Flora of Wisconsin</td>
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<tr>
<td>BOTANY/F&amp;W ECOL 455</td>
<td>The Vegetation of Wisconsin</td>
<td></td>
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<tr>
<td>DS 221</td>
<td>Person and Environment Interactions</td>
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<tr>
<td>ENVIR ST/F&amp;W ECOL/ZOOLOGY 360</td>
<td>Extinction of Species</td>
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<tr>
<td>ENVIR ST/BOTANY/F&amp;W ECOL/ZOOLOGY 651</td>
<td>Conservation Biology</td>
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<tr>
<td>GEOG/ENVIR ST 309</td>
<td>People, Land and Food: Comparative Study of Agriculture Systems</td>
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<tr>
<td>or GEOG 501</td>
<td>Space and Place: A Geography of Experience</td>
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<tr>
<td>or GEOG/URB R PL 305</td>
<td>Introduction to the City</td>
<td></td>
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<tr>
<td>or GEOG/C&amp;E SOC/ENVIR ST 434</td>
<td>People, Wildlife and Landscapes</td>
<td></td>
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<tr>
<td>or GEOG 301</td>
<td>Revolutions and Social Change</td>
<td></td>
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<tr>
<td>GEOG/ENVIR ST 439</td>
<td>US Environmental Policy and Regulation</td>
<td></td>
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<tr>
<td>GEOG/ENVIR ST/HISTORY 460</td>
<td>American Environmental History</td>
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<tr>
<td>GEOG/URB R PL 506</td>
<td>Historical Geography of European Urbanization</td>
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</tr>
</tbody>
</table>

### Total Credits

|   | 15 |

## RESIDENCE & QUALITY OF WORK

- 2.000 GPA in all LAND ARC and URB R PL courses and courses that count toward the major
- 2.000 GPA on 15 upper-level credits, taken in Residence
- 15 combined credits in LAND ARC and URB PL, taken on the UW–Madison campus

¹ See an Advisor and the Advising tab for recommended focused elective sets

² Intermediate and Advanced level courses accepted in the major are Upper Level

## UNIVERSITY DEGREE REQUIREMENTS

To receive a bachelor’s degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency
Degree candidates are required to earn a minimum of 30 credits in residence at UW-Madison. 'In residence' means on the UW-Madison campus with an undergraduate degree classification. 'In residence' credit also includes UW-Madison courses offered in distance or online formats and credits earned in UW-Madison Study Abroad/Study Away programs.

Quality of Work
Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES
1. Demonstrate competence and critical judgment in creatively applying the intellectual and technical skills necessary for site and landscape-scale natural and cultural resource conservation, planning, and management; these skills include cultural, historical and landscape literacy, data collection and analysis, spatial and temporal analysis, multidisciplinary problem-solving approaches and communication skills.
2. Demonstrate critical thinking and the ability to explore ideas and synthesize information, both independently and in collaboration with interdisciplinary team members.
3. Understand, apply and evaluate the principles, theories and research findings underlying at least one of the following advising pathways, Ecological Restoration and Design; Culture, Health, and Community; and Urban Studies.
4. Integrate social, cultural, ecological and technological dimensions in solving design and planning problems concerning the conservation or management of sustainable natural and cultural landscapes.
5. Be able to perform as a member of a public, private or non-profits office or agency in the fields represented within the department.

FOUR-YEAR PLAN
SAMPLE FOUR-YEAR PLAN
This Sample Four-Year Plan is a tool to assist students and their advisor(s). Students should use it—along with their DARS report, the Degree Planner, and Course Search & Enroll tools—to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests. As students become involved in athletics, honors, research, student organizations, study abroad, volunteer experiences, and/or work, they might adjust the order of their courses to accommodate these experiences. Students will likely revise their own four-year plan several times during college.

First Year
Fall Credits Spring Credits
LAND ARC 250 3 LAND ARC 211 or GEOG 127 5
Communications A 3 Biological or Physical Environment (major requirement) 4

Second Year
Fall Credits Spring Credits
LAND ARC 260 3 UR B R PL/ LAND ARC 463 3
Communications B 3 Biological and Physical Environment (major requirement) 3
Social and Cultural Studies (major requirement) 3 Social and Cultural Studies (major requirement) 3
Literature Breadth 3 Literature Breadth 3
INTER-LS 210 1 Electives 4

Third Year
Fall Credits Spring Credits
Technology (major requirement) 3 Technology (major requirement) 3
Biological and Physical Environment (major requirement) 3 Biological and Physical Environment (major requirement) 3
Major elective 3 Major elective 3
L&S electives 6 L&S electives 6

Fourth Year
Fall Credits Spring Credits
L&S elective 9 Capstone (major requirement) 3
Major elective 6 Electives 12

Total Credits 120

ADVISING AND CAREERS
Students enrolled in the major Landscape and Urban Studies have 3 opportunities for advising:
1. Our undergraduate coordinator can assist with general questions about registration, student assistance and progress in meeting major requirements.
2. All students entering the program may choose a faculty advisor (see People/Instructors) to assist with guidance specific to the curriculum (e.g. coursework, internships, research) and career opportunities.
3. The College of Letters and Science offers advice on career paths, networking, and job search preparation (see below).

L&S CAREER RESOURCES
SuccessWorks at the College of Letters & Science helps students leverage the academic skills learned in their major, certificates, and
liberal arts degree; explore and try out different career paths; participate in internships; prepare for the job search and/or graduate school applications; and network with professionals in the field (alumni and employers). In short, SuccessWorks helps students in the College of Letters & Science discover themselves, find opportunities, and develop the skills they need for success after graduation.

SuccessWorks can also assist students in career advising, résumé and cover letter writing, networking opportunities, and interview skills, as well as course offerings for undergraduates to begin their career exploration early in their undergraduate career.

Students should set up their profiles in Handshake (https://careers.ls.wisc.edu/handshake/) to take care of everything they need to explore career events, manage their campus interviews, and apply to jobs and internships from 200,000+ employers around the country. 

- SuccessWorks (https://careers.ls.wisc.edu/)
- Set up a career advising appointment (https://careers.ls.wisc.edu/make-an-appointment/)
- INTER-LS 210 L&S Career Development: Taking Initiative (1 credit, targeted to first- and second-year students)—for more information, see Inter-LS 210 Career Development, Taking Initiative (https://careers.ls.wisc.edu/inter-ls-210-career-development-taking-initiative/)
- INTER-LS 215 Communicating About Careers (3 credits, fulfills Com B General Education Requirement)
- Handshake (https://careers.ls.wisc.edu/handshake/)
- Learn how we're transforming career preparation: L&S Career Initiative (http://ls.wisc.edu/lsci/)

**PEOPLE**

**Instructors**

Professors: Sam Dennis Jr., Ken Genskow, Janet Gilmore, Evelyn Howell, James LaGro, Dave Marcouiller, Alfonso Morales, Brian Ohm, Janet Silbernagel

Associate Professors: David Bart, Carey McAndrews, Kurt Paulsen

Assistant Professors: Edna Ledesma, Revel Sims, Kristin Thorleifsdottir

Faculty Associates: Shawn Kelly, Eric Schuchardt

Senior Lecturers: Doug Hadley, James Steiner

Lecturer: Jacob Blue

Associate Scientist: Jeff Sledge

**Earth Partnership Program**

Director: Cheryl Bauer Armstrong

Outreach Specialists: Claire Bjork, Jessie Conaway, Mary Michaud, Maria Moreno

**Academic Advising**

Undergraduate Coordinator: Deborah Griffin

Graduate Coordinator: Beth Horstmeier

**Administrative Staff**

Department Administrator: Kelsey Hughes

Financial Specialist: Patrick J. Cunniffe

IT Support: W. Math Heinzel

Chair: Ken Genskow

**WISCONSIN EXPERIENCE**

The Wisconsin Experience combines learning in and out of the classroom, helping students develop intellectual and personal growth. The Landscape and Urban Studies major mixes traditional learning with community-based learning in and out of the classroom. Students are encouraged to take opportunities that supplement classroom learning by engaging in research, study abroad, internships, student clubs, and community interactions. The major engages students in exploring people-place, culture-nature phenomena and how they might, in their professional and personal lives, apply continuous learning to the planning of environments that benefit people, cultures, and the environment at the local, state, national, and global levels.

**RESOURCES AND SCHOLARSHIPS**

**Wisconsin Scholarship Hub (WiSH)**

This scholarship (http://scholarships.wisc.edu/Scholarships/schlDetails?scholId=4101/) provides amounts ranging from $2,000 to $5,000 each to help students participate in a first-time internship opportunity that is unpaid or provides a limited stipend.

**HILLDALE UNDERGRADUATE/FACULTY RESEARCH FELLOWSHIP**

The Hilldale Undergraduate/Faculty Research Fellowships (https://awards.advising.wisc.edu/all-scholarships/hilldale-undergraduatefaculty-research-fellowship/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Approximately 97–100 Hilldale awards are available each year. The student researcher receives $3,000, and faculty/staff research advisor receives $1,000 to help offset research costs (e.g., supplies, faculty or student travel related to the project).

**HOLSTROM ENVIRONMENTAL SCHOLARSHIPS**

The Holstrom Environmental Scholarships (https://go.wisc.edu/550x41/) support undergraduate research done in collaboration with UW–Madison faculty or research/instructional academic staff. Research proposals must have an environmental focus, and applicants must have at least a junior standing at time of application.

**UNDERGRADUATE SYMPOSIUM**

The annual Undergraduate Symposium (https://ugradsymposium.wisc.edu/) showcases undergraduate creativity, achievement, research, service-learning, and community-based research from all areas of study at UW–Madison including the humanities, fine arts, biological sciences, physical sciences, and social sciences.

**UNDERGRADUATE RESEARCH SCHOLARS**

The Undergraduate Research Scholars (https://urs.ls.wisc.edu/program (URS) is dedicated to enhancing the academic experience of UW–Madison students by providing first- and second-year undergraduates with opportunities to earn credit for participating in the research and
creative work with UW–Madison faculty and staff. The program has been designed to include partnerships between students and mentors, seminars on research-relevant issues, and practice in research/artistic presentations. The many benefits of the program are found in the fluid interaction between these activities.

**WISCONSIN IDEA FELLOWSHIPS**

Wisconsin Idea Fellowships (https://morgridge.wisc.edu/students/wisconsin-idea-fellowships/) are awarded annually to undergraduate student projects working toward solving a challenge identified along with a local or global community partner. Fellowships are awarded to semester-long or year-long projects designed by an undergraduate student (or group of students) in collaboration with a community organization and a UW–Madison faculty or academic staff member.