LANDSCAPE AND URBAN STUDIES, B.S.

The Landscape and Urban Studies Major integrates the biological, physical, and social sciences, and the humanities to provide students with the broad knowledge and skills needed to recognize and address current and future urban and regional land use challenges. These include, but are not limited to, sustainable and equitable land use, social and spatial inequalities, and the conservation, management, and restoration of natural and cultural systems. The major provides students the flexibility of a liberal arts education and opportunities to specialize in several directions: Restoration and Ecological Design; Culture, Health and Community; 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 resource preservation, 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 into 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 their undergraduate advisor or the undergraduate student services coordinator in the Department of Planning and Landscape Architecture.

Students who attend Student Orientation, Advising, and Registration (SOAR) 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

30 credits in residence after the 90th credit

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 Design</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>
<td></td>
</tr>
<tr>
<td>URB R PL/</td>
<td>Evolution of American Planning</td>
<td>3</td>
</tr>
<tr>
<td>LAND ARC 463</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td><strong>Total Credits</strong></td>
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**BIOLOGICAL AND PHYSICAL ENVIRONMENT**

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

**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/</td>
<td>An Introduction to Geographic Information Systems</td>
<td></td>
</tr>
<tr>
<td>ENVIR ST 377</td>
<td></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>
</tr>
<tr>
<td>LAND ARC/ENVIR ST/GEOG/URB R PL 532</td>
<td>Applications of Geographic Information Systems in Planning</td>
<td></td>
</tr>
<tr>
<td>LAND ARC/ENVIR ST/SOIL SCI 695</td>
<td>Applications of Geographic Information Systems in Natural Resources</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>6-8</td>
</tr>
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**CAPSTONE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LAND ARC 677</td>
<td>Cultural Resource Preservation and Landscape History</td>
<td>3</td>
</tr>
<tr>
<td>or LAND ARC 668</td>
<td>Restoration Ecology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
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**ELECTIVES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete 15 credits, chosen from:</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>AGRONOMY/BOTANY/SOIL SCI 370</td>
<td>Grassland Ecology</td>
<td></td>
</tr>
<tr>
<td>ANTHRO/AMER IND 354</td>
<td>Archaeology of Wisconsin</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td></td>
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<tr>
<td>-------------</td>
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<td></td>
</tr>
<tr>
<td>LAND ARC 677</td>
<td>Cultural Resource Preservation and Landscape History</td>
<td></td>
</tr>
<tr>
<td>REAL EST/ A A E/ECON/ URB R PL 306</td>
<td>The Real Estate Process</td>
<td></td>
</tr>
<tr>
<td>REAL EST/ECON/ URB R PL 420</td>
<td>Urban and Regional Economics</td>
<td></td>
</tr>
<tr>
<td>SOIL SCI/ PL PATH 323</td>
<td>Soil Biology</td>
<td></td>
</tr>
<tr>
<td>URB R PL/ECON/ ENVIR ST/ POLI SCI 449</td>
<td>Government and Natural Resources</td>
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</tr>
<tr>
<td>URB R PL 601</td>
<td>Site Planning</td>
<td></td>
</tr>
<tr>
<td>URB R PL 611</td>
<td>Urban Design: Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>URB R PL/ C&amp;E SOC/ SOC 617</td>
<td>Community Development</td>
<td></td>
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</table>

**Total Credits**: 15

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

**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 (Intermediate or Advanced level major courses), taken in Residence
- 15 combined credits in LAND ARC and URB PL, taken on the UW–Madison campus

**UNIVERSITY DEGREE REQUIREMENTS**

**Total Degree**: 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

This sample Four-Year plan is a tool to assist you and your advisor(s). Use it along with your DARS report and the Course Guide. You will make your own Four-Year Plan based on your placement scores, incoming credits, and individual interests. As you become involved in athletics, honors, research, student organizations, study abroad, volunteer experiences, and/or work, you might adjust the order of your courses to make room for these experiences. You will likely revise your four-year plan several times.

First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAND ARC 250</td>
<td>3</td>
<td>LAND ARC 211 or GEOG 127</td>
<td>5</td>
</tr>
<tr>
<td>Communications A</td>
<td>3</td>
<td>Biological or Physical Environment (major requirement)</td>
<td>4</td>
</tr>
<tr>
<td>Quantitative Reasoning A</td>
<td>3</td>
<td>Ethnic Studies (complete within your first 60 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language (if required)</td>
<td>4</td>
<td>Quantitative Reasoning B</td>
<td>3</td>
</tr>
<tr>
<td>Physical Science Breadth</td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>16</td>
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Second Year

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<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAND ARC 260</td>
<td>3</td>
<td>URB R PL/ LAND ARC 463</td>
<td>3</td>
</tr>
<tr>
<td>Communications B</td>
<td>3</td>
<td>Biological and Physical Environment (major requirement)</td>
<td>3</td>
</tr>
<tr>
<td>Social and Cultural Studies (major requirement)</td>
<td>3</td>
<td>Social and Cultural Studies (major requirement)</td>
<td>3</td>
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<tr>
<td>Literature Breadth</td>
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<td>Literature Breadth</td>
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<tr>
<td>INTER-LS 210</td>
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<td>Electives</td>
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Third Year

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<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social and Cultural Studies (major requirement)</td>
<td>3</td>
<td>Technology (major requirement)</td>
<td>3</td>
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<tr>
<td>Technology (major requirement)</td>
<td>3</td>
<td>Social and Cultural Studies (major requirement)</td>
<td>3</td>
</tr>
<tr>
<td>Biological and Physical Environment (major requirement)</td>
<td>3</td>
<td>Biological and Physical Environment (major requirement)</td>
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</tr>
<tr>
<td>Major elective</td>
<td>3</td>
<td>Major elective</td>
<td>3</td>
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<tr>
<td>L&amp;S elective</td>
<td>3</td>
<td>L&amp;S elective</td>
<td>3</td>
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<tr>
<td></td>
<td>15</td>
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<td>15</td>
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</table>

Fourth Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L&amp;S elective</td>
<td>9</td>
<td>Capstone (major requirement)</td>
<td>3</td>
</tr>
<tr>
<td>Major elective</td>
<td>6</td>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credits 120

ADVISING AND CAREERS

Students enrolled in the major Landscape and Urban Studies have 3 opportunities for advising. First, our undergraduate coordinator can assist with general questions about registration, student assistance and progress in meeting major requirements. Second, all students entering the program will be assigned a faculty advisor to assist with guidance specific to the curriculum (e.g. coursework, internships, research) and career opportunities. For students wishing to select their faculty advisor see People/Instructors. Third 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).

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.

- SuccessWorks (https://careers.ls.wisc.edu)
- Set up a career advising appointment (https://careers.ls.wisc.edu/make-an-appointment)
- INTER-LS 210 (http://guide.wisc.edu/search/?P=INTER-LS%20210) 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
• Learn how we're transforming career preparation: L&S Career Initiative (http://ls.wisc.edu/lsci)

PEOPLE

Instructors
Professors: Ken Genskow, Janet Gilmore, Evelyn Howell, James LaGro, Dave Marcouiller, Alfonso Morales, Brian Ohm, Janet Silbernagel
Associate Professors: David Bart, Sam Dennis Jr., 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 Conway, Mary Michaud, Maria Moreno

Academic Advising
Undergraduate Coordinator: Deborah Griffin
Graduate Coordinator: Lauren Szafranski
Administrative Staff
Department Administrator: Shira Hand
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 to 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-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

This scholarship (http://scholarships.wisc.edu/Scholarships/schlrDetails?scholId=4101) provides amounts ranging from $2,000 to $5,000 each to help students take advantage of and enable them to 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 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 towards solving a challenge identified along with 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.