

BIOMIMICRY SPECIALIST CERTIFICATION PROGRAM

Program Overview



Certified Biomimicry Specialists



BIOMIMICRY 3.8



BIOMIMICRY 3.8

Biomimicry.net
+1 406 543 4108

PO Box 8782
Missoula, MT 59807, USA

INFUSE BIOMIMICRY INTO YOUR CAREER

The Biomimicry Specialist Certificate Program (BSpec) offers professionals in every industry a focused, flexible, and affordable way to learn the practice of biomimicry. You'll earn a cutting-edge skill set that can help drive sustainable innovation, creativity, and collaboration at your own pace through a combination of online coursework and hands-on immersion workshops. The BSpec program is a resume booster that allows you to both apply your knowledge directly to your career as well as helps you to foster a deeper connection to nature in your work and personal life.

“

*We're awake now, and
the question is, how do we
stay awake to the living world?
How do we make the act of
asking nature's advice a normal
part of everyday inventing?*

~ Janine Benyus

CORE PURPOSE

Advance your skills

Learn the biomimicry philosophy, core concepts, and application tools

Employ the practice

Include biomimicry in current or planned career paths

Drive innovation across sectors

Using the genius design partner that is nature

Connect with a community

Join a network committed to creating a more sustainable world

PROGRAM BENEFITS

You will earn both a graduate certificate from ASU in biomimicry and your Biomimicry Specialist certification. The certification combines the accredited online courses and premiere training offered only by Biomimicry 3.8, creating a connection to an extensive community of individuals that opens a myriad of networking and ongoing learning journey opportunities.



“

Being a Biomimicry Specialist changes everything I do. I no longer look to our industry for solutions, but first to nature to see how she has already solved for the challenge I am facing.

~ Doug Studer, CEO,
Deskey BluEarth



PROGRAM FORMAT

The BSpec program consists of both online coursework through ASU and immersion-based work through two Biomimicry 3.8 workshops. Requirements can be completed in any order, but must be completed within three years of submitting the intent to certify form found on the Biomimicry Specialist Certification page linked below.

Immersion Workshops

Two in-person immersion workshops are required to complete the BSpec program. *You must attend one of each type of workshop.* Each focuses on employing a different biomimicry skill set:

- 1) discovering nature's genius in the field, and
- 2) applying the Biomimicry Thinking methodology.

Online Coursework

Accredited through ASU, the exclusively online coursework complements the immersion workshops. It consists of 15 credits through five courses, including a Virtual Design Lab capstone project. The curriculum allows you to dive deep into the biomimicry philosophy, core concepts, resources, and tools—from the comfort of your own home. The program is designed to accommodate the schedules of working professionals.



“
Biomimicry provides a refreshing way to incorporate nature's learnings to help solve complex issues. I will be using 'what would nature do?' thinking during my work professionally and personally.
~ Hao Dinh, Innovation Leader, GE Power



WHAT GRADUATES ARE SAYING

To date, a diverse set of professionals from around the world have completed the Certified Biomimicry Specialist training. From mass transit and product design to investment strategy and architecture, Biomimicry Specialists have elevated their careers by becoming innovators and change agents.



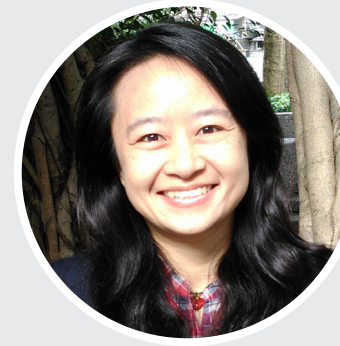
“ The Biomimicry Specialist program not only taught me the evolved concept of biomimicry, I’ve practiced its application in my sphere. More importantly, it changed the way I look at life; with increased wonder.

~ Codrin Kruijne, Data Science Consultant, Engineer, The Netherlands



“ The BSpecialist course allowed me another way of looking into nature, a curiosity and understanding of function and strategy. This vision is broadly applicable to everything we do and need. It is another mindset and this new way is really for me the bridge from nature to design.

~ Alessandra Araujo, Biologist, Biomimicry Consultant, Brazil



“ The BSpecialist program has helped to quiet my human cleverness and taught me how to seek solutions I couldn’t have imagined before the program.

~ Julia Chiang, Secretary General, Biomimicry Taiwan



“ Working with professionals from a wide range of sectors, cultures, and ages truly enriched the entire experience and provided many students with an experience that is rarely achieved.

~ Campbell Frey, Architect, Shepherd Resources Inc., United States



“ Learning how to practice and share Biomimicry Thinking has now become a way of life for me, and I treasure that I did this with an amazing group of people... They are all a part of this life-long learning adventure we share in our natural world!

~ Cheryl Spector, Built Environment Ecologist, United States

IMMERSION HIGHLIGHTS

Immersion workshops are just that—immersive—and you can expect to be richly engaged in the workshop with activities in morning, afternoon, and evening. The in-person sessions provide the opportunity to (re)connect with nature; to see, feel, touch, and learn from life's strategies and to experience the interdisciplinary nature of biomimicry in ecosystems around the world. Each in-person session is an opportunity to practice with the biomimicry tools during an in-depth exploration of the ecology. These week-long workshops are offered on a semi-annual basis.

Discover Nature's Genius workshops emphasize Life's Principles, which are design lessons from nature representing the universal strategies that allow life to survive and thrive. Focusing on the biology to design steps of the biomimicry methodology, you gain an in-depth understanding of a particular biome's genius and how that can be applied to innovation in your field.

Biomimicry Thinking workshops focus on the challenge to biology process in biomimicry and are method oriented. In an interdisciplinary setting, you'll learn how to scope a biomimetic design brief, initiate, catalog, and create meaning out of biological research, and develop concepts inspired by the research findings—all essential tools for any emerging biomimic.

[See Upcoming Workshops](#)

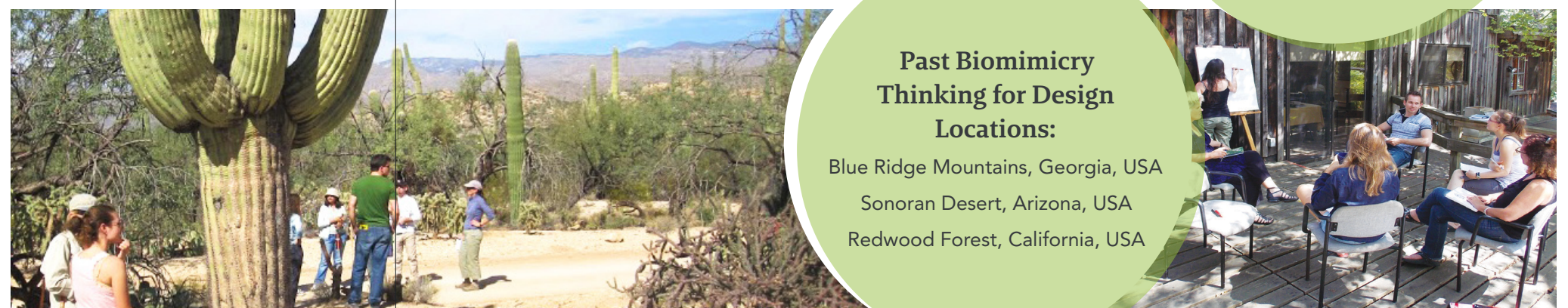


Past Discover Nature's Genius Locations:

Uvita, Costa Rica
Rocky Mountain Front, Montana, USA
Cape Tribulation, Australia
Limpopo, South Africa

Past Biomimicry for Social Innovation Locations:

North Cascades, Washington, USA
Logar Valley, Slovenia
Rocky Mountain Front, Montana, USA
New York City, USA
The Netherlands



Past Biomimicry Thinking for Design Locations:

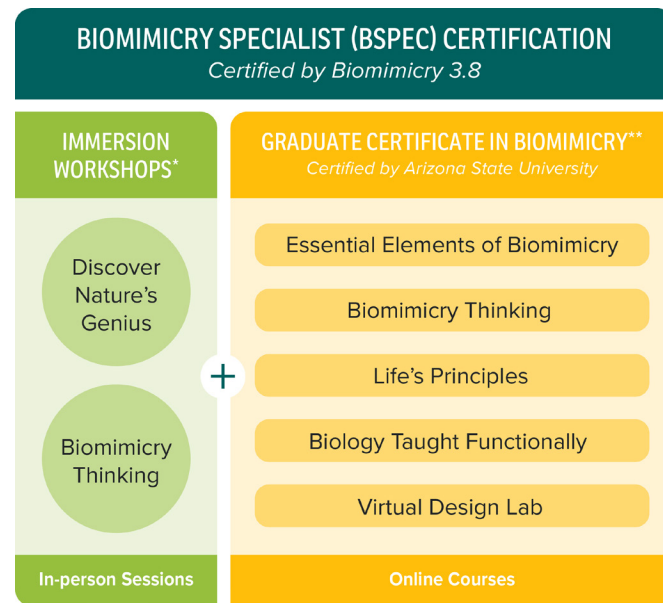
Blue Ridge Mountains, Georgia, USA
Sonoran Desert, Arizona, USA
Redwood Forest, California, USA

BIOMIMICRY SPECIALIST PROGRAM DETAILS

ASU ONLINE COURSEWORK

The 15 credits of online coursework offered as a part of the BSpecialist Certificate program are accredited through ASU as a Graduate Certificate in Biomimicry. Graduate certificate programs are short, focused programs designed to give students advanced skills in a particular subject or area of specialization. The coursework represents the latest and greatest evolution of the existing program and is taught by Biomimicry 3.8's deeply experienced instructors.

You can expect to spend 4-5 hours/week/credit for the biomimicry program at ASU. To accommodate international enrollment, all lectures are pre-recorded and can be watched on your own schedule, although there are due dates for assignments each week. Course interactions with other students are primarily through forum discussions. A bachelor's degree or equivalent is required for acceptance into ASU. The program can be completed in as short as four semesters (including summer).

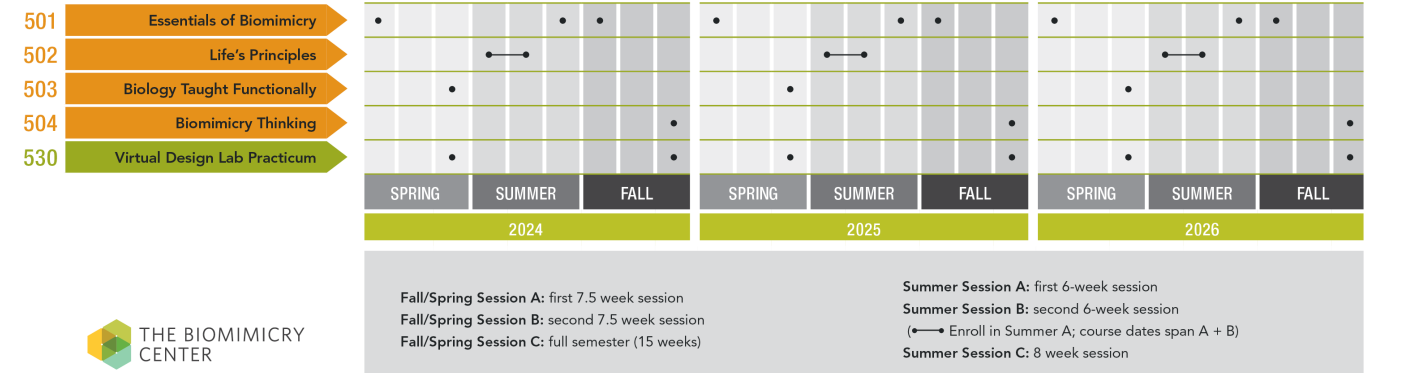


*Two in-person immersion workshops (one of each type) are required to complete the BSpec program. Each focuses on employing a different biomimicry skill set.

**BSpec certification can also be earned by completing the MSc in Biomimicry at ASU and completing the two immersion workshops.



Academic Calendar Graduate Certificate in Biomimicry (BM)



ACADEMIC CALENDAR & REQUIRED COURSES

Essentials of Biomimicry (BM 501) 1 credit

Discover the core values that define biomimicry and its true practice: Ethos, Emulate, (Re)Connect. This course is a prerequisite for the other courses.

Life's Principles (BM 502) 4 credits
Investigate life's operating conditions on Earth and the universal rules for surviving and thriving. Students learn the value of these principles as design guidelines. A critical biomimicry tool for biomimicry developed by Biomimicry 3.8.

Biology Taught Functionally (BM 503) 4 credits

For non-biologists and biologists alike, utilizing what we call the "functional bridge" is key to making biological phenomena accessible, relevant, and valuable to humanity's greatest challenges. This course serves as your front door into the world of biology as an innovation catalog. Learn to work with biologists and biological research to translate concepts into strategies for human application.

Biomimicry Thinking (BM 504) 4 credits.

Bring the practice of biomimicry to life with the Biomimicry Thinking methodology developed by Biomimicry 3.8 based on 15+ years of bringing nature's genius to the design table for a wide variety of clients. This course teaches the methodology for incorporating biomimicry into any design process. Students learn the steps to defining a taxonomy of design principles and creating innovative functional solutions.

Virtual Design Lab Practicum (BM 530) 2 credits

An independent study to practice applying biomimicry with the support and guidance of our experienced instructors. This practicum should follow the completion of the other coursework.

BIOMIMICRY SPECIALIST PROGRAM DETAILS

PROGRAM TUITION AND FEES

The online coursework portion of the program to secure a Graduate Certificate in Biomimicry from ASU costs \$872 per credit hour. At 15 total credits, the cost for this portion of the program is \$13,875 (including fees) spread across the duration of enrollment, with payment made directly to ASU. There is a \$70 domestic / \$90 international application fee, as well as minimal technology fees assessed with tuition (varies by semester).

Immersion workshop costs vary depending on the length and location, ranging from \$3,000 to \$4,500 covering tuition, room and board, all scheduled activities, and ground transportation during the workshop. For many of our immersion workshops, scholarships are available via an application process.

You can register to receive credit for attending a Biomimicry 3.8 Immersion Workshop. It is a one credit elective course. If you would like to receive the credit through ASU, you will additionally need to pay for the credit through ASU. It is optional to register for this elective credit. The fees you have paid for the workshop only cover the direct costs of the workshop.

ELIGIBILITY AND APPLICATION

To begin the certification process, you must register your intent with Biomimicry 3.8 through our online form linked below. You can register at any time, but please be prepared to share your ASU enrollment date (planned or past) and information about workshop attendance (planned or past). A bachelor's degree or equivalent is required for acceptance into ASU. Students enrolled in the Master of Science in Biomimicry program at ASU are eligible to apply for BSpec certification.

Already attended a workshop? Already enrolled at ASU? Entirely new to the practice? That's fine, just let us know the anticipated participation/program completion dates on the intent to certify form.

Once you've obtained the Graduate Certificate and completed both workshops, you must complete our application for certification, linked to the right. Please be prepared to include ASU transcripts and workshop dates, etc. Once the application is reviewed, we'll send your certification package.

We are currently exploring options for BSpec graduates who are also interested in pursuing a Biomimicry Professional Certification. If you are interested in pursuing a Biomimicry Professional Certification, please note your interest in the intent to certify form.

[Intent to Certify Form](#)

ASU GRADUATE CERTIFICATE APPLICATION DEADLINES

| Semester of Enrollment | Early Application Deadline | Early Acceptance Notification | Regular Application Deadline | Regular Acceptance Notification |
|------------------------|----------------------------|-------------------------------|------------------------------|---------------------------------|
| Fall | June 1 | June 21 | July 7 | August 1 |
| Spring | November 1 | November 21 | December 7 | December 21 |
| Summer | March 1 | March 21 | April 7 | May 1 |

BIOMIMICRY SPECIALIST CERTIFICATION SCHEDULE

The requirements can be completed in any order, but must be completed within three years of completing the intent to certify form.

Immersion Workshops:

You can attend any workshops (Nature's Genius and Biomimicry Thinking) you choose, but must attend one of each type within three years of completing the intent to certify form. See *upcoming immersion workshops to register and for more information*.

Online Coursework:

ASU accepts Graduate Certificate applications on a rolling basis throughout the year. There are six application dates throughout the year. To apply for enrollment at ASU, see *the The Biomimicry Center at ASU page linked to the right*.

IMPORTANT LINKS

[BSpec on Biomimicry.net](#)

Full program details, links to registration forms, and immersion workshop schedules.

[The Biomimicry Center](#)

Full Graduate Certificate details including curriculum information by course, application details, and deadlines.