**Student Learning Outcomes for UCORE BSCI designation**

Copy, complete, and submit the student learning outcomes grid provided on page two of this document with any course proposal or renewal request, along with other required materials (syllabus, assignment prompts, renewal form).

Web reference: <https://ucore.wsu.edu/faculty/curriculum/bsci/>

***BSCI designation description:***

Science is an approach to asking and answering questions about the natural world that values empirical observation as a key foundation for developing theories that explain observations.It helps us make sense of the biological and physical processes that underlie the world around us. Inquiries that use a scientific framework draw upon empirical observations (including experimentation), draw logical conclusions supported by the evidence, and articulate evidence-based arguments to advance those conclusions. For conclusions to be accepted, they must be corroborated by others and make accurate predictions. And yet, scientific inquiry is an ongoing cycle, constantly developing more useful, accurate and comprehensive models and methods.

***Adaptable BSCI description for course syllabi***

*Please adapt this course description for use in your syllabus. If possible, integrate with course specific description.*

XXXX XXX satisfies the BSCI requirement for WSU’s University Common Requirements (UCORE), which is designed to help you acquire broad understanding, develop intellectual and civic competencies, and apply knowledge and skills in real world settings. Upon completion of UCORE, you will have the tools needed to seek out information, interpret it, share it, and make reasoned and ethical judgements on a wide array of issues. With these broader goals in mind, XXXX XXX will develop your ability to ask and answer questions about the biological world in ways that value empirical observation as a key foundation for developing evidence-based theories.

***WSU’s Seven Learning Goals and BSCI (for Reference)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **UCORE Requirements & WSU’s Learning Goals** | **Critical & Creative Thinking** | **Information Literacy** | **Communication** | **Quantitative Reasoning** | **Scientific Literacy** | **Diversity** | **Depth, Breadth, & Integration of Learning** |
| Written | Non-written |
| **WAYS OF KNOWING** |
| **Inquiry in the Natural Sciences** [BSCI], [PSCI]\*\* | X | X | X |  | X | X |  | X(Breadth) |

*BSCI courses may also contribute to other learning outcomes as determined by faculty.*

|  |  |  |  |
| --- | --- | --- | --- |
| **WSU Learning Goal of Undergraduate Education** | **UCORE’S [BSCI] Designator Learning Outcomes.***Students who successfully complete a [BSCI] course should be able to:* | **Course Learning Outcomes.***Students who successfully complete this course should be able to:* | **Course Learning Activities, Assignments, and Assessments** |
| **Scientific Literacy** | Draw conclusions based on biological scientific methods or evidence, as appropriate to course level  |  |  |
| **Quantitative Reasoning** | Apply quantitative methods and principles to solve biological scientific problems or explain biological scientific observations  |  |  |
| **Critical Thinking** | Identify how biological science informs societal developments and issues  |  |  |
| **Information Literacy** | Evaluate biological scientific claims or information based on the sources and the methods used to generate it, as appropriate to course level  |  |  |
| **Written Communication** | Communicate effectively biological scientific information or findings in written forms appropriate to the discipline  |  |  |
| **Breadth of Learning** | Understand fundamental knowledge and concepts in biological science  |  |  |