

***Direct Methods** assess student performance related to the expected learning outcomes. Examples of direct assessments are course-embedded questions; pre/post test; standardized exams; portfolio evaluation; videotape/audiotape of performance; rubric-based evaluation of student work.

***Indirect Methods** assess opinions or thoughts about student knowledge, skills, attitudes, learning experiences, and perceptions. Examples of indirect measures are student surveys about instruction; focus groups; student self-evaluations.

After the second offering of the course, please submit an initial report summarizing the GE assessment results following the format of the “Assessment Report Requirements” in Appendix 11.

5. *For ASC units only:* If the GE request applies to a new course and the new course can also count toward the major of the submitting unit (whether as a required course or as an elective), please include the curriculum map of that program to which you have added the newly proposed course, indicating the program goal(s) and levels it is designed to meet. If the course is not new but the request involves moving the course to a new level or place on the major’s curriculum map, the updated map will need to be provided as well.

Notice that in ASC, some GE Natural Science courses are for both BA and BS students and some courses are for BA-students only. *BA/BS Natural Science GE courses* are distinguished from BA-only courses by fulfilling several or all of the following criteria. The ASCC Natural and Mathematical Sciences Panel and the full ASCC will use these guidelines (approved by ASCC on April 20, 2012) as the basis for evaluation of BA/BS or BA-only status. Fulfillment of one or more of these criteria would make the course eligible to be considered for both BA and BS students, with the final decision based on the overall rigor and sophistication of the course.

- Advanced math requirements of the course (specifically, pre-Calculus for BA or Calculus for BS);
- Sophisticated scientific knowledge and reliance on other scientific knowledge from other disciplines;
- More intensive use of data collection and analysis;
- Course could potentially serve as an immediate prerequisite for a major course in the sciences;
- Whether the course is intended for majors in that discipline;
- Lab inclusion would not be mandatory but if included might need to have particular rigor for data analysis and also for some number of formal lab reports;
- Course would need to be consistent with level of currently approved BA/BS Natural Science GE courses.

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