AB in Neuroscience

(1) Where are the learning outcomes for this level/program published? (please specify) Include URLs where appropriate.	(2) Other than GPA, what data/ evidence is used to determine that graduates have achieved the stated outcomes for the degree? (e.g., capstone course, portfolio review, licensure examination)	(3) Who interprets the evidence? What is the process? (e.g. annually by the curriculum committee)	(4) What changes have been made as a result of using the data/evidence?	(5) Date of most recent program review (for general education and each degree program)
On the departmental home page for the Neuroscience major, https://pbs.dartmouth.edu/undergraduate/neuroscience **Students who complete a major in neuroscience at Dartmouth College can:** • Identify and explain core principles of nervous system structure and function • Apply neuroscience knowledge and methods to real world problems and understand the impacts of neuroscience on everyday life • Demonstrate knowledge of contemporary neuroscience research methods • Identify and pose questions that advance the field of neuroscience • Demonstrate the ability to critically evaluate research findings • Present research findings in oral and written formats • Synthesize and integrate information across cellular, molecular, and systems-level neuroscience • Enter graduate or professional school well prepared for advanced study in neuroscience	Graduates pass a specific set of course requirements and 1 culminating experience. The culminating experience can either be a research-based thesis or an upper-level seminar course. Courses that count as a culminating experience require the student to produce a substantive piece of original work, such as a final paper, that measures students' mastery.	For research-based thesis: a committee consisting of the student's primary thesis advisor, one additional faculty member in the same or a related field, and one member of the Neuroscience Committee a) reads the written thesis, and b) attends an oral defense where the student must present their findings and answer questions. For upper-level seminar courses, we will implement an annual review process based on a random sample of work products taken from the culminating experiences of each year's graduating seniors. These randomly selected work products (typically a final paper) will be reviewed by the Neuroscience Committee using a rubric designed to measure the learning outcomes in column (1).	Since the last re-accreditation in 2020, we have added Honors theses to the possible culminating options, but no other changes have been made to the curriculum. Small changes (e.g. updates to pre-reqs or course descriptions) to individual courses and new course proposals are reviewed by the Neuroscience Committee to ensure coherence with curricular objectives. The results of the culminating experience review process detailed in column (3) will be presented and discussed at a dedicated faculty meeting each year. In addition, the Neuroscience Committee will identify curriculum priorities based on the review results which will guide recommendations and requested changes to individual courses.	Last external review of the department was December 2011. The next program review is scheduled for 2024. Materials for the review will be prepared by the Neuroscience committee, and reviewed by a board of senior neuroscientists and psychologists from peer institutions.

and/or biomedical-health professions • Connect their curricular experience to potential future careers • Design experiments and analyze neuroscientific data			