PLNU Biology MA/MS program

	Narrative Response
An environment that provides support	Almost every course in the program is taught by a professor actively involved in either biology or biology education research. By interacting with these faculty
for inquiry, scholarship, research,	members, the students are immersed in an environment reflecting the importance of and results of research. In addition, many of the courses require
and/or professional practice.	students to present and facilitate discussions of scholary papers.
Expectation for student scholarship,	
evidence-based practice, and/or	Each graduate student completes a pilot study on some aspect of biology education - this is an original research project (1 unit) that the student designs,
independent research, and	carries out, analyzes, and presents with minimal faculty assistance. Some students continue to do research with a faculty member in the form of a thesis
engagement with faculty.	project (6 units), including the submission of a manuscript to a journal. Some students present their thesis work at a conference.
Out of class learning from mentors,	
campus speakers, colloquia, practicum	
experiences, conference participation,	Some students attend PLNU's monthly Perspectives of Science seminar series that features leading scientists from a variety of fields, and read, then discuss
and the opportunity to share	papers by the speaker. An students are invited to attend thesis detenses when others in the program present their thesis work, wany students complete
Scholarship Exposure to the values, skills	internships at community coneges where they work with students in a biology lab setting. Some students attend science education conferences.
attitudes and essential content	All students take at least four hiology-content summer classes taught by researchers in that area of hiology. These courses are application-based, yet also
knowledge of the discipline or	An students take at least to bold boldgy-content summer classes tagin by researchers in the area of boldgy. These courses are application-based, yet also introvide a consortium to learn the main theories in each sub-dimensioned many students complete internships at community colleges where they
profession.	work alongside biology professors to learn about teaching at the college level.
Collabration between students and	All students take courses taught by researchers working in that particular area of biology or biology education. These courses are application-based and also
faculty and between students and	provide an opportunity to learn the major theories as well as laboratory techniques in each sub-discipline of biology. Some students do research with a
professionals in the field.	Tacuity member to complete a thesis project (6 units).
	disciplines, as well as how science has developed as a discipline. Upon completion of either the MA in biology or the MS in biology, all students are qualified
Opportunity for advancement in	to teach biology courses at the community college level. Since many of the graduate students are currently middle or high school teachers, this degree allows
knowledge, professional skills, and	them to either teach dual-enrollment courses at their current school site, or to teach traditional community college courses in the evenings, weekends, or
values.	summers if they wish to keep their current job.
Fosters students' active engagement	
with the literature of the field and	Is and of the required courses in the measure, students and summarize and sitiate minory literature. In the research desire source they and source
importance of scholarship and/or	In each of the required courses in the program, students read, summarize, and chique primary increature. In the research design course, they read several private the private private read of the several private read several private read of the research design course, they read several private read of the read of the several private read of the several private read of the rea
nrofessional practice	and uses, then write a increasing reverse prior to conducting their point study, students incosing to comprete a tress write a greatly expanded increasing in a point study of the biology content contracts students read summarize and in some courses on presentations based on the articles
professional practice.	review. In the biology content courses, statemer courses and enclose primary increases, and in some courses, so presentations based on the articles.
	All students complete a pilot study, then present their research to the other students. The students provide feedback on the data collection, data analysis and
Builds a community of scholars	conclusions, and since other students are working on related topics, they are both contributing to. and learning from each other in order to produce more
searching for new knowledge and	sophisticated and valuable research. The program is not a cohort model, so students are in classes with other students at all stages of the program (1 yr, 2 yr,
quest for higher learning.	some 3 yr.). This provides opportunities for a great deal of sharing of experiences, and encouragement to those new in the program.
Expects candidates to explore diverse	
ideas and think critically about their	In the required History & Philosphy of Science course, students discuss their personal perspectives on the creation /evolution issue. In the Research Methods
own values and perspectives.	course, the students consider and discuss ethical issues surrounding data collection, data analysis, and making claims about data.
Champions infusion of diversity	
experiences, cross-cultural elements,	
and diverse perspectives in the	In the required History & Philsophy of Science course, students read and discuss the contributions af various cultures to current scientific thought, as well as
graduate curriculum	various perspectives on creation and evolution.
Insists candidates take an active role in	
learning and assume a large share of	Not sure what is meant here - there is very little direct instruction in the courses. Students read, study and synthesize information on their own or in small
Other:	groups of their choosing. Students do presentations in many courses.
other.	
A baccalaureate degree is required for	
admission to a graduate program.	Yes
Suficient number of faculty members	
to exert collective responsibility for	
the development and evaluation of	
the curricula, academic policies, and	3 full-time faculty members (program director adnd 2 others) are directly involved and 4 other full-time faculty members regularly teach courses in the
mentoring of students.	program.
Clearly stated objectives	
differentiated from and more	
advanced than undergraduate	
programs in terms of admissions,	Requirement or BA or BS, a 3.0 GPA, and adequate performance on the Major Held Test in Biology are required for admission. The graduate courses are far
curricula, standards of performance,	more application-based, rast-paced, and primary literature-based than the undergraduate courses. DUN'I know now much detail we need herespecific into on each course?