

Stage 4-Develop Assessment Rubrics

Table 1. Rubric matrix for **B.S. Biology with Secondary Level Teacher Certification in 8-12 Life Science Degree.**

Point Value	⁴ Exceeds Dept. Goal (Excellent)	³ Meets Dept. Goal (Good)	² Approaches Dept. Goal (Acceptable)	¹ Below Dept. Goal (Unacceptable)
Be prepared for teaching biology in the secondary education setting	> 90% achievement on the teacher certification exam	86-90% achievement on the teacher certification exam	80-85% achievement on the teacher certification exam	<80% achievement on the teacher certification exam
Demonstrate comprehensive, specialized knowledge in the various sub-disciplines of the biological sciences	> 90% achievement	86-90% achievement	80-85% achievement	<80% achievement
Understand and apply scientific reasoning and logical thinking in the biological sciences	> 90% achievement	86-90% achievement	80-85% achievement	<80% achievement
Develop expertise in science process skills, inquiry, and investigative methodologies (research, technical, analytical, problem-solving, and evaluative skills) in the biological sciences	> 90% achievement	86-90% achievement	80-85% achievement	<80% achievement
Communicate and critically evaluate information in oral and written forms	> 90% achievement	86-90% achievement	80-85% achievement	<80% achievement