

College of Arts and Sciences / College of Education
 Math or Science Teaching
 Table 3: Student Learning Outcomes

Masters in Secondary Science and/or Mathematics Teaching

Outcome Type	Outcome	Assessment & Evaluation Process
Student Learning	Upon completion of the course of instruction, the student will be able to demonstrate that they have the necessary content, pedagogical, and professional knowledge required of teachers to positively influence student learning in the classroom.	85% of the students exiting the Masters in Science Teaching Program will achieve a satisfactory rating on their influence on student learning by averaging a 3 or higher on each section of the "MST Classroom Observation Protocol" as assessed by their university supervisor at some point during their final Full-Time Internship. The protocol assesses classroom environment, lesson structure, implementation, and mathematics/science content, with 6-10 elements on which the developing teacher's performance in the classroom are scored, each on a scale of 1 to 5 (where 1 is "Not observed at all/Not demonstrated at all," 2 is "Observed rarely/Demonstrated poorly," 3 is "Observed an adequate amount/Demonstrated adequately," 4 is "Observed often/Demonstrated well," and 5 is "Observed to a great extent/Demonstrated to a great extent").
Student Learning	Upon completion of the course of instruction, the student will be able to demonstrate an understanding of the importance of contextual factors, learning goals, assessment plans, designs for instruction, instructional decision-making, analysis of student learning, and reflection and self-evaluation.	85% of the students exiting the Masters in Science Teaching Program will earn an average score of 3 or higher on each of the components of their Teacher Work Sample. Through this performance assessment, teacher candidates provide credible evidence of their ability to facilitate learning by demonstrating their understanding of seven teaching processes identified by research and best practice as fundamental to improving student learning (contextual factors, learning goals, assessment plans, designs for instruction, instructional decision-making, analysis of student learning, and reflection and self-evaluation). Each process has 3-8 elements on which students' written reports are scored, each on a scale from 1 to 4 (where 1 is "Inadequate," 2 is "Needs Improvement," 3 is "Prepared," and 4 is "Distinguished"). A Teacher Work Sample is completed by all Masters in Science Teaching students concurrently with their Half-Time Internship, regardless of whether they are in the secondary or community college track of the program, in lieu of a master's thesis.
Program Outcome	By the end of the year, the program will analyze the data collected from exit interviews with students at the end of their final semester just prior to graduation to identify program strengths and weaknesses to inform future program adjustments.	Any area of the exit interview in which less than 75% of the students express satisfaction with the program will be reviewed for possible program changes.

Source: FSU Institutional Effectiveness Portal, 2016-17.

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Table 3: Student Learning Outcomes

Bachelors in Secondary Science and/or Mathematics Teaching

Outcome Type	Outcome	Assessment & Evaluation Process
Student Learning	Upon completion of the program of studies, the student will demonstrate critical thinking skills necessary for grade 6-12 teaching. Who: The student What: Demonstrate the critical thinking skills necessary for grade 6-12 teaching. When: Upon completion of the program of studies. Where: In the 6-12 classroom.	This will result in 70% of the students achieving a satisfactory rating in critical thinking skills during the student teaching internship.
Student Learning	Upon completion of the program of studies, the student will demonstrate knowledge of the code of ethics for educators. Who: The students What: Demonstrate knowledge of the code of ethics for educators When: Upon completion of the program of studies for the degree Where: Within the course of instruction.	This will result in 80% of the students achieving a satisfactory rating ("accomplished" or better) in professional ethics on the student teaching internship evaluation.
Student Learning	Upon completion of the program of studies, the student will demonstrate that they can communicate effectively with 6-12 students, their parents, and other teachers. Who: The student What: Demonstrate that they can communicate effectively with 6-12 students, their parents, and other teachers. When: Upon completion of the program of studies. Where: In the 6-12 classroom.	This will result in 70% of the students achieving a satisfactory rating in communication during the student teaching internship.
Student Learning	Upon completion of the program of studies, the student will be able to demonstrate competency in the general education standards as defined by the Florida Department of Education for their grade 6-12 certification area. Who: The students What: Demonstrate competency on the general education standards as defined by the Florida Department of Education When: Upon completion of the program of studies for the degree Where: Within the course of instruction.	This will result in 70% of the students achieving a Pass on the General Knowledge section of the Florida Teachers Certification Exam.
Student Learning	Upon completion of the program of studies, the student will be able to demonstrate in the 6-12 classroom that they have the necessary content, pedagogical, and professional knowledge required of preprofessional teachers to positively influence middle or high school student learning Who: The student What: Demonstrate in the 6-12 classroom that they have the content, pedagogical, and professional knowledge necessarily to positively influence middle/high school student learning When: Upon completion of the program of studies. Where: In the 6-12 classroom.	This will result in 100% of the students achieving a satisfactory rating on their influence on student learning as assessed by their cooperating teacher on their final teaching internship evaluation.
Student Learning	Upon completion of the program of studies, the student will demonstrate competency on all twelve pedagogical and professional knowledge standards defined by the Florida Department of Education in the Florida Educator Accomplished Practices for Preprofessional Teachers. Who: The student What: demonstrate competency on all twelve pedagogical and professional knowledge standards defined by the Florida Department of Education in the Florida Educator Accomplished Practices for Preprofessional Teachers When: Upon completion of the program of Studies Where: Within the program of studies.	This will result in 70% of the students achieving a Pass on the Professional Preparation and Content Area Examination sections of the Florida Teachers Certification Exam.

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Student Learning	Upon completion of the program of studies, the student will be able to demonstrate competency in the Content Area Standards as defined by the Florida Department of Education for their grade 6-12 certification area. Who: The students What: Demonstrate competency in their grade 6-12 certification area as defined by the Florida Department of Education's Content Area Standards When: Upon completion of the program of studies for the degree Where: Within the course of instruction.	This will result in 70% of the students achieving a Pass on the Content Area Exam for their certification area on the Florida Teachers Certification Exam.
Program Outcome	By the end of the year, the program will analyze the data collected from exit interviews with students at the end of their final semester just prior to graduation to identify program strengths and weaknesses to help inform us about possible changes that may need to be made.	Any area of the exit interview in which less than 70% of the students express satisfaction with the program will be reviewed for possible program changes.

Source: FSU Institutional Effectiveness Portal, 2016-17.