

Department of Teaching and Learning
GETTMHMAT Transformational Teaching in Middle and High Schools, Grades 7-12 with 5-6 extension (MAT)
Science Education concentrations
Biology[BIO], Chemistry[CHM], Earth Science[ETS], Physics[PHY]
Program of Study
2022-2023

Total Units Required		30
Pedagogical Core		12
Course Number	Course Title	Units
TCHL-GE 2010	Inquiries into Teaching & Learning III	3
TCHL-GE 2275	Language and Literacy Acquisition and Development	3
TCHL-GE 2515	Adolescent Learners in Urban Contexts	2
TCHL-GE 2999	Drug and Alcohol Education/Child Abuse Identification and School Violence Prevention/D.A.S.A.: The Social Responsibilities of Teachers	0
SPCED-GE 2124	Historical and Contemporary Issues in Special Education Policy, Research and Practice	3
WLGED-GE 2914	Workshop in World Language Education	1
Specialized Pedagogy/Fieldwork for Science Education		12
Course Number	Course Title	Units
SCIED-GE 2039	Methods I: Teaching of Science in Middle and High School	3
SCIED-GE 2040	Methods II: Teaching of Science in Middle and High School	3
SCIED-GE 2092	Science Curriculum: Intermediate and Secondary Schools	3
SCIED-GE 2405	Data & Assessment for Educators*	3
Student Teaching Courses		6
Course Number	Course Title	Units
SCIED-GE 2911	Teaching Science Education: Middle School	3
SCIED-GE 2922	Teaching Science Education: High School	3

* Indicates the course will contain the culminating experience / task for candidates.
Please see program sequence for further explanation of the culminating experience.