

TEACHING, MASTER OF (M.T.) WITH A CONCENTRATION IN SCIENCE EDUCATION

Program goal

The Master of Teaching curricula are designed to incorporate eligibility for initial teaching licensure in Virginia in early and elementary or in secondary education (biology, chemistry, earth science, English, history and social studies, mathematics or physics).

The approved curricula include undergraduate qualifying courses as well. Individuals pursuing the extended program are awarded undergraduate and graduate degrees simultaneously; baccalaureate degree recipients who meet the admission criteria also may pursue the Master of Teaching degree program, including the qualifying courses. The combined baccalaureate and Master of Teaching program requires a minimum of 153-154 hours, at least 33 of which must be at the graduate level.

Secondary education

The Master of Teaching program includes curricula that lead to endorsement in one of the following disciplines: biology, chemistry, earth science, English, history/social studies, mathematics or physics.

In order to enroll in the program, students must apply and be accepted to both the Extended Teacher Preparation Program and the Graduate School. Admission information for the Extended Teacher Preparation Program (<http://bulletin.vcu.edu/graduate/school-education/extended-teacher-preparation-program/>) is available in this bulletin.

Student teaching requirements

All students pursuing a secondary education endorsement within the Master of Teaching program will student teach in the spring semester. To do so, students must take and pass the Virginia Communication and Literacy Assessment and their subject-specific Praxis II exams before the fall semester of the academic year in which they will student teach.

Student learning outcomes

- Learner and learning:** Understand human development and learning theory appropriate to the age group they will teach and acquire an awareness of the diversity of the school-age population in cultural backgrounds and styles of learning
- Content:** Demonstrate knowledge of the subjects they will teach
- Instructional practice:** Demonstrate an ability to plan and implement effective teaching and measure student learning in ways that lead to sustained development and learning
- Professional responsibility:** Develop an understanding of purposes for education and a defensible philosophical approach toward teaching and demonstrate professional dispositions

VCU Graduate Bulletin, VCU Graduate School and general academic policies and regulations for all graduate students in all graduate programs

The VCU Graduate Bulletin website documents the official admission and academic rules and regulations that govern graduate education for all graduate programs at the university. These policies are established by the

graduate faculty of the university through their elected representatives to the University Graduate Council.

It is the responsibility of all graduate students, both on- and off-campus, to be familiar with the VCU Graduate Bulletin as well as the **Graduate School website** and academic regulations in individual school and department publications and on program websites. However, in all cases, the official policies and procedures of the University Graduate Council, as published on the VCU Graduate Bulletin and Graduate School websites, take precedence over individual program policies and guidelines.

Visit the academic regulations section for additional information on academic regulations for graduate students.

Degree candidacy requirements

A graduate student admitted to a program or concentration requiring a final research project, work of art, thesis or dissertation, must qualify for continuing master's or doctoral status according to the degree candidacy requirements of the student's graduate program. Admission to degree candidacy, if applicable, is a formal statement by the graduate student's faculty regarding the student's academic achievements and the student's readiness to proceed to the final research phase of the degree program.

Graduate students and program directors should refer to the following degree candidacy policy as published in the VCU Graduate Bulletin for complete information and instructions.

Visit the academic regulations section for additional information on degree candidacy requirements.

Graduation requirements

As graduate students approach the end of their academic programs and the final semester of matriculation, they must make formal application to graduate. No degrees will be conferred until the application to graduate has been finalized.

Graduate students and program directors should refer to the following graduation requirements as published in the Graduate Bulletin for a complete list of instructions and a graduation checklist.

Visit the academic regulations section for additional information on graduation requirements.

Apply online today. (<https://www.vcu.edu/admissions/apply/graduate/>)

Admission requirements

Degree:	Semester(s) of entry:	Deadline dates:	Test requirements:
M.T.	Fall	Feb 1	GRE
	Spring	Oct 1	
	Summer	Feb 1	

In addition to the general admission requirements of the VCU Graduate School (<http://bulletin.vcu.edu/graduate/study/admission-graduate-study/admission-requirements/>), the following requirements represent the minimum acceptable standards for admission:

- Bachelor's degree with a major in the content area in which the student wishes to teach (e.g., biology, chemistry, earth science, physics or equivalent)
- Three letters of recommendation addressing the student's potential for graduate study in education

3. Statement of intent
4. Transcripts of all previous college work
5. Satisfactory scores on the GRE

Additionally, there are several tests that students must pass for admission to teacher preparation, admission to student teaching and licensure in Virginia. Students should consult the Teacher Preparation page (<https://soe.vcu.edu/admission/teacher-preparation-application/>) on the School of Education website for current testing requirements. Admission to clinical experiences in schools requires a background check and fingerprinting.

Please visit the School of Education (<https://soe.vcu.edu/academics/masters-programs/master-of-teaching/>) website for further information.

Degree requirements

In addition to general VCU Graduate School graduation requirements (<http://bulletin.vcu.edu/academic-regs/grad/graduation-info/>), students are required to complete course work in core and elective courses.

1. Credit hour requirements: Students are required to complete a minimum of 33-34 credit hours depending on concentration.
2. Grade requirements: Receipt of a grade of C or below in two courses constitutes automatic dismissal from the program. Courses with a grade below C cannot be used to satisfy degree requirements.
3. Student teaching requirements: Students must successfully complete approved student teaching experience. Note: Students must complete all undergraduate courses before student teaching.
4. Additional testing requirement: Students must pass Praxis II, where applicable, for licensure.

Curriculum requirements

Undergraduate courses

Course	Title	Hours
Qualifying courses		
EDUS 301	Human Development and Learning	3
Major courses (as undergraduate science majors) including genetics/molecular biology, botany, zoology, anatomy/human physiology, ecology, two physics and one earth science		
Admission to teacher preparation is a prerequisite for the following courses:		
TEDU 311	Middle School Practicum (secondary; must be taken concurrently with TEDU 537)	2
TEDU 312	High School Practicum (science; must be taken concurrently with TEDU 540)	1
TEDU 510	Instructional Technology in PK-12 Environments	2

Graduate courses

Course	Title	Hours
Required courses		
EDUS 617/PSYC 657	Advanced Educational Psychology for Secondary Teachers	3
EDUS 673	Democracy, Equity and Ethics in Education	3
TEDU 537	Inclusive Curriculum in Secondary Schools	3

TEDU 540	Teaching Middle and High School Sciences (fall only)	3
TEDU 552	Methods for Teaching Multilingual Learners	3
TEDU 562	Reading Instruction in the Content Areas	3
TEDU 588	Classroom Management	3
Clinical experience (spring only)		
TEDU 672	Internship	4
TEDU 674	Internship II	5
TEDU 681	Investigations and Trends in Teaching (must be taken concurrently with TEDU 672 and TEDU 674)	3
Total Hours		33

The minimum total of graduate credit hours required for this degree is 33.

Contact

Enrollment Management
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Additional contact

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