

TEACHING (M.A.T.) - ENGINEERING EDUCATION 6-12

Important: This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

As a requirement for completion of this program, including student teaching and passing required licensure tests, the graduate of this program, regardless of state residency, must obtain a VA state teaching license. The VA teaching license may then be used for reciprocity in another state according to the regulations of that state.

Code	Title	Hours
Initial Education Core Courses		
EDLC 504	Educational Philosophy and Theories of Learning	3
EDLC 510	Instructional Strategies for Diverse Learners	3
EDLC 606	Tests and Measurements	3
EDLC 623	Principles of Behavior Management	3
Total Hours		12

Code	Title	Hours
Engineering Education Cognate		
EDLC 539	Current Issues in Content Areas ¹	3
EDLC 625	Content Instructional Procedures ^{2,3}	3
EDUC 668 or EDUC 673	Mathematics Instruction and Learning for K-8 Curriculum and Methods for Effective Instruction	3
Total Hours		9

¹ Candidates may choose to take 3 hours of graduate courses in teaching endorsement (BIOL, ENGL, HIST, MATH) instead of EDLC 539.

² EDLC 625 must be taken in the same semester as EDLC 688

³ Background check clearance required (EDLC 588, EDLC 625, EDLC 656, EDLC 688, EDST 560, EDST 561, EDST 562, EDST 563, EDST 564, EDST 565, EDST 566, EDST 567, EDST 568, or EDST 569)

Code	Title	Hours
Professional Courses		
EDLC 515	Learning to Read: Theory and Practice	3
EDLC 571	Curriculum Fundamentals	3
EDLC 656	Literacy Across the Curriculum ^{1,2}	3
Total Hours		9

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² EDLC 656 must be taken in the same semester as EDLC 588

Code	Title	Hours
Gate & Field Experience Courses		
EDGT 520	School of Education Gate 1 – MAT Initial Licensure	0

Code	Title	Hours
EDGT 560	School of Education Gate 2 – MAT Initial Licensure	0
EDGT 580	School of Education Gate 3 – MAT Initial Licensure	0
EDLC 588	Initial Licensure Practicum I ^{1,2}	0
EDLC 688	Initial Licensure Practicum II ^{1,3}	0
Total Hours		0

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² EDLC 656 must be taken in the same semester as EDLC 588

³ EDLC 625 must be taken in the same semester as EDLC 688

Code	Title	Hours
Student Teaching		
EDST 585	The Reflective Practitioner: Resource Seminar-Middle/Secondary	3
Choose one of the following:		3
EDST 560	Student Teaching - One Placement – Distance ^{1,2}	
EDST 561	Student Teaching - One Placement - Local ^{1,2}	
EDST 562	Student Teaching - Two Placement – Distance ^{1,2}	
EDST 563	Student Teaching - Two Placement - Local ^{1,2}	
EDST 564	Student Teaching – Own Classroom – Distance ^{1,2}	
EDST 565	Student Teaching – Own Classroom – Local ^{1,2}	
EDST 566	Student Teaching - Multiple Endorsement – One placement - Distance ^{1,2}	
EDST 567	Student Teaching - Multiple Endorsement – One placement - Local ^{1,2}	
EDST 568	Student Teaching - Multiple Endorsement – Two placement - Distance ^{1,2}	
EDST 569	Student Teaching - Multiple Endorsement – Two placement – Local ^{1,2}	
Total Hours		6

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² Candidates will be assigned either EDST 560, EDST 561, EDST 562, EDST 563, EDST 564, EDST 565, EDST 566, EDST 567, EDST 568, or EDST 569. Course and section number will be designated during Gate 3 Application

Notes

- Refer to the Content Competency Chart. Competencies must be met prior to student teaching.
- Candidates seeking licensure as 6-12 or K-12 teachers should have completed a bachelor's degree with a major in the teaching endorsement, or a degree in a related field with courses similar to those required for a bachelor's degree in the teaching endorsement. Candidates must document a minimum of 30 semester hours of content courses including each of the competencies listed for the endorsement. [See Content Competencies for subject area.] In addition, candidates must successfully complete the appropriate Praxis Subject Assessment in the area of endorsement prior to student teaching.

- All practicum courses should be completed before student teaching and students should not complete practicum during the summer semester

All applicable prerequisites must be met

Graduation Requirements

- Complete 36 hours
- A maximum of 50% of the program hours may be transferred if approved and allowable, including credit from an earned degree from Liberty University on the same academic level
- 3.0 GPA
- No more than two grades of C may be applied to the degree (includes grades of C+ & C-)
- No grade of D or below may be applied to the degree (includes grades of D+ & D-)
- Degree must be completed within 5 years
- Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date

Program Offered in Online Format

Course Sequence

Course	Title	Hours
First Semester		
EDGT 520	School of Education Gate 1 – MAT Initial Licensure	0
EDLC 504	Educational Philosophy and Theories of Learning	3
EDLC 510	Instructional Strategies for Diverse Learners	3
EDGT 560	School of Education Gate 2 – MAT Initial Licensure	0
EDLC 623	Principles of Behavior Management	3
Hours		9
Second Semester		
EDLC 588	Initial Licensure Practicum I ¹	0
EDLC 606	Tests and Measurements	3
EDLC 656	Literacy Across the Curriculum ¹	3
EDUC 668 or EDUC 673	Mathematics Instruction and Learning for K-8 or Curriculum and Methods for Effective Instruction	3
Hours		9
Third Semester		
EDLC 515	Learning to Read: Theory and Practice	3
EDLC 539	Current Issues in Content Areas ²	3
Hours		6
Fourth Semester		
EDLC 688	Initial Licensure Practicum II ¹	0
EDGT 580	School of Education Gate 3 – MAT Initial Licensure	0
EDLC 625	Content Instructional Procedures ¹	3
EDLC 571	Curriculum Fundamentals	3
Hours		6

Course	Title	Hours
Fifth Semester		
Education Student Teaching ^{1,3}		3
EDST 585	The Reflective Practitioner: Resource Seminar-Middle/Secondary	3
Hours		6
Total Hours		36

¹ Background check clearance required

² Candidates may choose to take 3 hours of graduate courses in teaching endorsement (BIOL, ENGL, HIST, MATH) instead of EDLC 539

³ Candidates will be assigned one of the following: EDST 560, EDST 561, EDST 562, EDST 563, EDST 564, EDST 565, EDST 566, EDST 567, EDST 568, or EDST 569. Course and section number will be designated during Gate 3 Application.