

# TEACHING, LEARNING, & CURRICULUM

Book # 014  
 (29) 4134  
 //

## Faculty

Chair, *Chair*

D. B. L.

D. B. L.

P. A. J.

R. J. L.

R. J. L.

R. J. L.

## E

R. J. L.

## PROGRAMS OF STUDY

The Department of Teaching, Learning, & Curriculum (TLC) offers a variety of graduate programs. The M.Ed. in Teaching, Learning, & Curriculum (M.Ed. TLC) is a two-year program that prepares students for careers in education. The Ph.D. in Teaching, Learning, & Curriculum (Ph.D. TLC) is a three-year program that prepares students for careers in education and research. The M.Ed. in Teaching, Learning, & Curriculum (M.Ed. TLC) is a two-year program that prepares students for careers in education. The Ph.D. in Teaching, Learning, & Curriculum (Ph.D. TLC) is a three-year program that prepares students for careers in education and research.

## FIELD-BASED DELIVERY OF GRADUATE PROGRAMS

The Department of Teaching, Learning, & Curriculum (TLC) offers field-based delivery of graduate programs. This approach allows students to gain practical experience while completing their graduate studies. The M.Ed. in Teaching, Learning, & Curriculum (M.Ed. TLC) is a two-year program that prepares students for careers in education. The Ph.D. in Teaching, Learning, & Curriculum (Ph.D. TLC) is a three-year program that prepares students for careers in education and research.

## Program Approvals

All graduate programs offered by the Department of Teaching, Learning, & Curriculum (TLC) require approval from the appropriate institutional bodies. The M.Ed. in Teaching, Learning, & Curriculum (M.Ed. TLC) is a two-year program that prepares students for careers in education. The Ph.D. in Teaching, Learning, & Curriculum (Ph.D. TLC) is a three-year program that prepares students for careers in education and research.

## The Consortium for Outstanding Achievement in Teaching with Technology

The Consortium for Outstanding Achievement in Teaching with Technology (COATT) is a collaborative effort between Andrews University and other member institutions. COATT provides a platform for faculty to share best practices and collaborate on innovative teaching strategies. COATT is a collaborative effort between Andrews University and other member institutions. COATT provides a platform for faculty to share best practices and collaborate on innovative teaching strategies.

## Teacher Education "Report Card," Annual Title II Report

The Department of Teaching, Learning, & Curriculum (TLC) has been recognized for its excellence in teacher education. The TLC has been named a National Center for Excellence in Teacher Education (NCTE) since 2001 and 2002.

Data Type	Data
Total TLC Bachelor's Graduates	27
% of TLC Bachelor's Graduates	100
Total TLC Master's Graduates	42
% of TLC Master's Graduates	100
Total TLC Ph.D. Graduates	243
Total TLC Graduate Graduates (all levels)	32
Total TLC Graduate Graduates (all levels)	7
Total TLC Graduate Graduates (all levels)	14

## TEACHING, LEARNING, & CURRICULUM UNDERGRADUATE PROGRAMS

Pre-Teacher Preparation Status. All students entering the Department of Teaching, Learning, & Curriculum (TLC) must complete a Pre-Teacher Preparation Status course. This course is designed to provide students with the necessary skills and knowledge to succeed in their teacher education program. The course is offered in C302, D11, 228 and 408.

**Admittance into the Teacher Preparation Program.** A student must be admitted to the Department of Education and must pass the Michigan Test for Teacher Certification (MTTC) in order to be admitted to the program. The MTTC is administered by the Michigan Department of Education. For more information, see the Department of Education website at [www.mde.state.mi.us](http://www.mde.state.mi.us).

**Special Requirements for School of Education Students.**

All students in the School of Education must maintain a minimum cumulative GPA of 2.50 in all coursework (including 12 credits) taken at the University of Michigan-Dearborn.

**Bachelor of Science in Elementary Education**

The Bachelor of Science in Elementary Education is a four-year program that prepares students for careers in elementary education. The program includes coursework in education, psychology, and content areas such as mathematics, science, and social studies.

**CONTENT MAJORS AND MINORS FOR ELEMENTARY EDUCATION**

Students in the Bachelor of Science in Elementary Education program must complete a minimum of 12 credits in content areas. The content areas are: English, Mathematics, Science, and Social Studies. For more information, see the Department of Education website at [www.mde.state.mi.us](http://www.mde.state.mi.us).

The Department of Education also offers a variety of minors in education-related fields. These include minors in Special Education, Educational Leadership, and Educational Technology. For more information, see the Department of Education website at [www.mde.state.mi.us](http://www.mde.state.mi.us).

**Michigan Department of Education Definition of "Program Completers"**

- All students must pass the MTTC Basic Skills Exam.
- All students must pass the MTTC Elementary Education Exam (a minimum score of 80 is required).
- All students must pass the MTTC Professional Education Exam (a minimum score of 80 is required).

\* EACH of these areas must have a 2.50 GPA with no grade of C- or below, in addition to a minimum cumulative GPA of 2.50.

For more information, see the Department of Education website at [www.mde.state.mi.us](http://www.mde.state.mi.us). The Department of Education also offers a variety of resources for students, including tutoring and academic advising. For more information, see the Department of Education website at [www.mde.state.mi.us](http://www.mde.state.mi.us).

Credit 4  
110 Credit Training (1 credit)  
Wellness—4  
120 Credit Training (1 credit)  
Service—4  
117 (4)  
TOTAL credits—60-67

\*Religion Credits for Transfer Students. The student may receive credit for religion courses from other institutions. The student may receive credit for religion courses from other institutions. The student may receive credit for religion courses from other institutions. The student may receive credit for religion courses from other institutions.

**TEACHER PREPARATION MISSION**



**CONTENT MAJORS AND MINORS FOR SECONDARY EDUCATION**

The following table lists the content areas and credit requirements for the major and minor in Secondary Education. All courses must be completed with a grade of C or better.

CONTENT MAJORS AND MINORS FOR SECONDARY CERTIFICATION			
Subject Areas	BA	BS	Minor
Physical Science (Physical Science)		40	24
Physical Science (Physical Science)		40	22
Physical Science (Physical Science)		24	
Chemistry		40	20
Chemistry and A.T.		3-38	20
Chemistry (-12)##		40	20
Chemistry (-12)#	3		21
Chemistry (-12)#	30		21
Chemistry (-12)#		38	
Chemistry (-12)#			20
Chemistry (-12)#	38		20
Chemistry (-12)#		30	20
Chemistry (-12)#		30	
Chemistry (-12)#	40		20
Chemistry (-12)#			21
Chemistry (-12)#	14		20
Chemistry (-12)#		20	
Chemistry (-12)#	30		21
Chemistry (-12)#		30	

**Integrated Science Major—38**

The Integrated Science Major requires a minimum of 38 credits in the following areas: Physical Science (12 credits), Chemistry (12 credits), and Biology (14 credits). All courses must be completed with a grade of C or better.

**Biology—minimum 10 credits**

**Chemistry—minimum 8 credits**

**Physics—minimum 8 credits**

**Earth/Space Science—minimum 12 credits**

**Required Cognate**

Electives, as approved by advisement, from these content areas to complete requirements.

The following table lists the content areas and credit requirements for the major and minor in Secondary Education. All courses must be completed with a grade of C or better.

**BS: Secondary Education Social Studies Major—56**

(this major contains a built-in minor in History)

The following table lists the content areas and credit requirements for the major and minor in Secondary Education. All courses must be completed with a grade of C or better.

**TEACHER EDUCATION PROGRAM AND CERTIFICATION PROCEDURES**

**Admission to the Teacher Preparation Program.** The following are the requirements for admission to the Teacher Preparation Program: 1. A minimum GPA of 2.50 in all college coursework. 2. Completion of the MTTC Basic Skills Test. 3. Completion of the A.T. Teacher (A.T.) Test. 4. Completion of the A.T. Teacher (A.T.) Test. 5. Completion of the A.T. Teacher (A.T.) Test. 6. Completion of the A.T. Teacher (A.T.) Test.

- a. at least 12 credits in Physical Science.
- b. at least 12 credits in Chemistry.
- c. at least 14 credits in Biology.
- d. at least 12 credits in Earth/Space Science.
- e. at least 12 credits in History.
- f. at least 12 credits in Social Studies.
- g. at least 12 credits in Language Arts.
- h. at least 12 credits in Mathematics.
- i. at least 12 credits in Health/Physical Education.
- j. at least 12 credits in Fine Arts.
- k. at least 12 credits in Music.
- l. at least 12 credits in Art.
- m. at least 12 credits in Foreign Language.
- n. at least 12 credits in Computer Science.
- o. at least 12 credits in Environmental Science.
- p. at least 12 credits in Human Services.
- q. at least 12 credits in Public Administration.
- r. at least 12 credits in Business Administration.
- s. at least 12 credits in Criminal Justice.
- t. at least 12 credits in Law Enforcement.
- u. at least 12 credits in Fire Science.
- v. at least 12 credits in Aviation.
- w. at least 12 credits in Marine Studies.
- x. at least 12 credits in Agriculture.
- y. at least 12 credits in Forestry.
- z. at least 12 credits in Fisheries.

**Admission to Student Teaching Candidacy**

The following are the requirements for admission to Student Teaching Candidacy: 1. Completion of all required coursework. 2. Completion of the A.T. Teacher (A.T.) Test. 3. Completion of the A.T. Teacher (A.T.) Test. 4. Completion of the A.T. Teacher (A.T.) Test.

- The same data set is used for both the training and testing sets  
a. This is a problem because the model will be overfitted to the training data and will not generalize to new data

- A. ...
- 1. a. (\*)
- 2. a. (\*)
- 3. a. a. ...
- 4. a. a. ...
- a. *MTTC Subject Area Exams.*
- C. ...
- D. ...
- E. ...
- F. ...

**Application for a Teaching Certificate.** ...  
 ... must be paid directly to the state ...  
 ... 20-22

## **Special Education (Adventist Speciality Endorsement)**

This is a speciality endorsement that is required for a teacher to be able to teach students with special needs. It is a two-year program that includes 12 credit hours of coursework. The courses are: C32, C34, C40, C43, DC 1, DC 2, DC 3, DC 4, DC 5, DC 6, DC 7, DC 8, DC 9, DC 10, DC 11, DC 12, DC 13, DC 14, DC 15, DC 16, DC 17, DC 18, DC 19, DC 20, DC 21, DC 22, DC 23, DC 24, DC 25, DC 26, DC 27, DC 28, DC 29, DC 30, DC 31, DC 32, DC 33, DC 34, DC 35, DC 36, DC 37, DC 38, DC 39, DC 40, DC 41, DC 42, DC 43, DC 44, DC 45, DC 46, DC 47, DC 48, DC 49, DC 50, DC 51, DC 52, DC 53, DC 54, DC 55, DC 56, DC 57, DC 58, DC 59, DC 60, DC 61, DC 62, DC 63, DC 64, DC 65, DC 66, DC 67, DC 68, DC 69, DC 70, DC 71, DC 72, DC 73, DC 74, DC 75, DC 76, DC 77, DC 78, DC 79, DC 80, DC 81, DC 82, DC 83, DC 84, DC 85, DC 86, DC 87, DC 88, DC 89, DC 90, DC 91, DC 92, DC 93, DC 94, DC 95, DC 96, DC 97, DC 98, DC 99, DC 100.

## **Master of Arts in Teaching (MAT)**

This is a two-year program that includes 30 credit hours of coursework. The courses are: MA 1, MA 2, MA 3, MA 4, MA 5, MA 6, MA 7, MA 8, MA 9, MA 10, MA 11, MA 12, MA 13, MA 14, MA 15, MA 16, MA 17, MA 18, MA 19, MA 20, MA 21, MA 22, MA 23, MA 24, MA 25, MA 26, MA 27, MA 28, MA 29, MA 30.



... A.T. to ... ..

## MA: EDUCATION

### Reading Emphasis

(Not currently enrolling students in this program)

#### MISSION

The ... ..

**Prerequisites.** ... ..

#### DEGREE REQUIREMENTS

**Reading Core Concentration—22**

... ..

**Required Related Emphasis—6**

... ..

**Electives approved by advisor—4**

... ..

**TOTAL MA degree credits—32**

## MA: EDUCATION

### Curriculum and Instruction Emphasis

The ... ..

... ..

... ..

**Prerequisites.** ... ..

**MISSION**

A...

**PROGRAM DESCRIPTION**

The... C&...

...

**EdS: Curriculum and Instruction**

...

**Prerequisites.** A...

**DEGREE REQUIREMENTS**

**Professional Core—16-19**

DC 34, 35, 20, 3, 30, 89

**Focus Area—34-37**

DC 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

**Educational Foundations—5-6**

DC 100

**Research—6**

DC 103, 11

**TOTAL EdS degree credits—64**

**Edd/PhD: Curriculum and Instruction**

...

**Doctor of Education.** A...

**Doctor of Philosophy.** A...

...

**Prerequisites.** C...

**DEGREE REQUIREMENTS**

**Professional Core—16-23**

DC 34, 35, 20, 3, 30, 89

**Focus Area—8-12**

DC 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

**Foundations—7-9**

DC 100

**Research—12-14**

DC 103, 11, 10, 12, DC 3, 10, DC 11 (2-4)

**Electives—20-31**

DC 88, DC 89, DC 13

**Dissertation—16**

DC 880, DC 899

**TOTAL Edd/PhD degree credits—1**



1. The candidate must have completed the following requirements:

- A minimum of 30 semester hours of college credit in a baccalaureate degree program.

### Adding an Elementary Endorsement to a Secondary Certificate

The candidate must also meet the following requirements:

- Pass the appropriate state or national examination for the elementary endorsement.
- Complete a minimum of 6 semester hours of college credit in the following areas (including the appropriate state or national examination):
  - 3 semester hours of education (including the appropriate state or national examination)
  - 3 semester hours of content area (including the appropriate state or national examination)
- Pass the *MTTC Subject Area Exam(s)* for the elementary endorsement.
- Complete a minimum of 30 semester hours of college credit in a baccalaureate degree program (including the appropriate state or national examination).
- Achieve a minimum score of 75% on the appropriate state or national examination.

### Adding a Secondary Endorsement to an Elementary Certificate

The candidate must also meet the following requirements:

- Pass the appropriate state or national examination for the secondary endorsement.
- Complete a minimum of 6 semester hours of college credit in the following areas (including the appropriate state or national examination):
  - 3 semester hours of education (including the appropriate state or national examination)
  - 3 semester hours of content area (including the appropriate state or national examination)
- Pass the *MTTC Subject Area Exams* for the secondary endorsement.
- Pass *DE-41* for the Content Area Examinations (3 credit).
- Pass *DE-49* for the appropriate area(s).
- Complete a minimum of 30 semester hours of college credit in a baccalaureate degree program (including the appropriate state or national examination).
- Achieve a minimum score of 75% on the appropriate state or national examination.

### Elementary Certification Requirements

The candidate must meet the following requirements:

- 1) Completion of the following courses: (1) *ED-301*, *ED-302*, *ED-303*, *ED-304*, *ED-305*, *ED-306*, *ED-307*, *ED-308*, *ED-309*, *ED-310*, *ED-311*, *ED-312*, *ED-313*, *ED-314*, *ED-315*, *ED-316*, *ED-317*, *ED-318*, *ED-319*, *ED-320*, *ED-321*, *ED-322*, *ED-323*, *ED-324*, *ED-325*, *ED-326*, *ED-327*, *ED-328*, *ED-329*, *ED-330*, *ED-331*, *ED-332*, *ED-333*, *ED-334*, *ED-335*, *ED-336*, *ED-337*, *ED-338*, *ED-339*, *ED-340*, *ED-341*, *ED-342*, *ED-343*, *ED-344*, *ED-345*, *ED-346*, *ED-347*, *ED-348*, *ED-349*, *ED-350*, *ED-351*, *ED-352*, *ED-353*, *ED-354*, *ED-355*, *ED-356*, *ED-357*, *ED-358*, *ED-359*, *ED-360*, *ED-361*, *ED-362*, *ED-363*, *ED-364*, *ED-365*, *ED-366*, *ED-367*, *ED-368*, *ED-369*, *ED-370*, *ED-371*, *ED-372*, *ED-373*, *ED-374*, *ED-375*, *ED-376*, *ED-377*, *ED-378*, *ED-379*, *ED-380*, *ED-381*, *ED-382*, *ED-383*, *ED-384*, *ED-385*, *ED-386*, *ED-387*, *ED-388*, *ED-389*, *ED-390*, *ED-391*, *ED-392*, *ED-393*, *ED-394*, *ED-395*, *ED-396*, *ED-397*, *ED-398*, *ED-399*, *ED-400*.

- **Professional Education Courses.** The candidate must complete the following courses: *ED-301*, *ED-302*, *ED-303*, *ED-304*, *ED-305*, *ED-306*, *ED-307*, *ED-308*, *ED-309*, *ED-310*, *ED-311*, *ED-312*, *ED-313*, *ED-314*, *ED-315*, *ED-316*, *ED-317*, *ED-318*, *ED-319*, *ED-320*, *ED-321*, *ED-322*, *ED-323*, *ED-324*, *ED-325*, *ED-326*, *ED-327*, *ED-328*, *ED-329*, *ED-330*, *ED-331*, *ED-332*, *ED-333*, *ED-334*, *ED-335*, *ED-336*, *ED-337*, *ED-338*, *ED-339*, *ED-340*, *ED-341*, *ED-342*, *ED-343*, *ED-344*, *ED-345*, *ED-346*, *ED-347*, *ED-348*, *ED-349*, *ED-350*, *ED-351*, *ED-352*, *ED-353*, *ED-354*, *ED-355*, *ED-356*, *ED-357*, *ED-358*, *ED-359*, *ED-360*, *ED-361*, *ED-362*, *ED-363*, *ED-364*, *ED-365*, *ED-366*, *ED-367*, *ED-368*, *ED-369*, *ED-370*, *ED-371*, *ED-372*, *ED-373*, *ED-374*, *ED-375*, *ED-376*, *ED-377*, *ED-378*, *ED-379*, *ED-380*, *ED-381*, *ED-382*, *ED-383*, *ED-384*, *ED-385*, *ED-386*, *ED-387*, *ED-388*, *ED-389*, *ED-390*, *ED-391*, *ED-392*, *ED-393*, *ED-394*, *ED-395*, *ED-396*, *ED-397*, *ED-398*, *ED-399*, *ED-400*.

**Spirit of Prophecy.** Available at a unit. Choose one:  
C 332, 334, 338

**Seventh-day Adventist Church History.** Choose one:  
C 306, 315, 404

**Health Principles.** Available at a unit. Choose one:  
C 347, 130

**Adventist School Experience.** Available at a unit. Choose one:  
C 347, 130



**EDCI689** **\$ (1-4)**

**Syllabus:** \_\_\_\_\_

Course description text for EDCI689. Fall, Summer

**EDCI689 (option)** **(1-4)**

**Syllabus:** *Teaching in the Library*

Course description text for EDCI689 (option). Fall, Alternate Summers

**EDCI689 (option)** **(2)**

**Syllabus:** *Classroom Technology Data*

Course description text for EDCI689 (option). PC 80

**EDCI690** **(1-3)**

**Literature Syllabus:** \_\_\_\_\_

Course description text for EDCI690. Fall, Spring, Summer

**EDCI699** **(1-3)**

**Text:**  
Fall, Spring, Summer





**EDTE438**

**(1-3)**

*W* \_\_\_\_\_  
\_\_\_\_\_ *C* \_\_\_\_\_  
\_\_\_\_\_ *As scheduled*

**EDTE444**

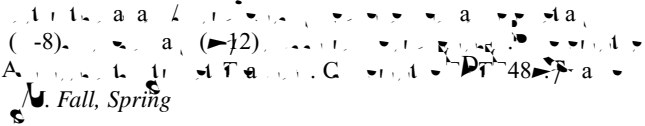
**§ (2)**

*E* \_\_\_\_\_ *L* \_\_\_\_\_ *A* \_\_\_\_\_ *M* \_\_\_\_\_  
\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

**EDTE588**

**(1-10)**

*G a a S a T a : L*



Musical notation for EDTE588. It features a treble clef, a key signature of one flat (B-flat), and a common time signature (C). The notation includes a series of notes and rests, with some notes marked with 'a' and 's'. There are also some markings like '( -8)' and '( -2)' and a '48' near the end. The piece is titled 'Fall, Spring'.

**EDTE630**

**(1-4)**

*S a a : \_\_\_\_\_*