

FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—PROGRAM CHANGE REQUEST

UGPC APPROVAL _____

UFS APPROVAL _____

CATALOG _____

DEPARTMENT: CHEMISTRY AND BIOCHEMISTRY

COLLEGE: CHARLES E. SCHMIDT COLLEGE OF SCIENCE

PROGRAM NAME: MASTER OF SCIENCE IN TEACHING (CHEMISTRY)

EFFECTIVE DATE

(PROVIDE TERM/YEAR)

FALL 2016

PLEASE EXPLAIN THE REQUESTED CHANGE(S) AND OFFER RATIONALE BELOW AND/OR ATTACHED:

THE DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY REQUESTS CHANGES TO THE MASTER OF SCIENCE IN TEACHING (CHEMISTRY) PROGRAM. THIS PROGRAM HAS NOT BEEN ACCEPTING STUDENTS FOR SEVERAL YEARS DUE TO A LACK OF INTEREST. THE PROBLEM HAS BEEN THAT PRACTICING OR PROSPECTIVE CHEMISTRY TEACHERS ARE TYPICALLY NOT WILLING OR ABLE TO UNDERTAKE A DETAILED RESEARCH PROJECT CULMINATING IN A THESIS THAT THEY HAVE TO DEFEND. THEREFORE, THE CHANGES WE ARE REQUESTING ARE DESIGNED TO MAKE THIS A NON-THESIS DEGREE. APPROPRIATE CATALOGUE CHANGES ARE PROPOSED (SEE ATTACHED, CHANGES HIGHLIGHTED IN RED TEXT).

THE PROPOSED MINIMUM ADMISSION REQUIREMENTS ARE SLIGHTLY LESS STRINGENT THAN THOSE FOR THE REGULAR M.S. IN CHEMISTRY DEGREE.

Faculty contact, email and complete phone number:
 Andrew Terentis, terentis@fau.edu,
 561-809-9192

Consult and list departments that might be affected by the change and attach comments.

Approved by:

Department Chair: 

College Curriculum Chair: _____

College Dean: _____

UGPC Chair: _____

Graduate College Dean: _____

UFS President: _____

Provost: _____

Date:

1/11/2016

Email this form and syllabus to UGPC@fau.edu one week before the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website prior to the meeting.

Proposed Catalogue Changes:

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Master of Science in Teaching (Chemistry)

Admission Requirements

In addition to the University's general graduate admission requirements, the typical prerequisite ~~to graduate studies for admission to the Master of Science in Teaching degree program~~ in the Department of Chemistry and Biochemistry is the **Bachelor of Arts** degree in chemistry or its equivalent. Students must have achieved a minimum 3.0 GPA in the last 60 credits of undergraduate work or scores of at least 148 (verbal) and 147 (quantitative) on the Graduate Record Exam.

Degree Program

The M.S.T. in Chemistry program provides post-baccalaureate education for secondary teachers, community college instructors and other individuals who wish to pursue these careers. The degree program requires a minimum of 30 credits, ~~including a research project. The project may will typically focus on chemical education research educational issues or basic research. Participants who are planning on a secondary teaching career and are not yet certified should complete a 6 credit teaching internship and meet other certification requirements. Students planning a career in community college teaching should take courses on community college issues in lieu of the education courses.~~ All ~~chemistry and~~ elective courses must be approved by the ~~student's advisory~~ Department of Chemistry and Biochemistry graduate committee. Students also perform independent study (Graduate Research) under the supervision of a Department of Chemistry and Biochemistry faculty member, typically with a chemical education theme, and culminating in the presentation of a graduate seminar. Students may substitute up to 6 credits Graduate Research for additional coursework with permission from the Department of Chemistry and Biochemistry graduate committee.

Introduction to Chemical Research	4
Graduate Chemistry Courses	12
Graduate Research	5
Electives	3
Education Courses or Electives	6

Introduction to Chemical Research	1
Core Courses	
Instrumentation	3
Synthesis and Characterization	3
Kinetics and Energetics	3
Chemistry Electives	3
Education Electives	6
Graduate Seminar (non-thesis)	1
Graduate Research	10
Minimum Total	30