

# UMBC UGC Change in Existing Course: **EDUC 427 - Science in the Secondary School**

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Proposed Effective Date: Fall 2019

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**COURSE INFORMATION:** (please provide all information in the “current” column, and only the information changing in the “proposed” column)

change		current	proposed
<input type="checkbox"/>	Course Number(s)	EDUC 427	EDUC 427
X	Formal Title	Science in the Secondary School	Methods of Teaching Science in the Secondary School
X	Transcript Title (≤30c)	Science:Secondary School	Methd Teach Science Sec Schl
<input type="checkbox"/>	Recommended Course Preparation	None	None
X	Prerequisite <b>NOTE:</b> Unless otherwise indicated, a prerequisite is assumed to be passed with a “D” or better.	EDUC 412	EDUC 412 with a B or better
<input type="checkbox"/>	# of Credits Must adhere to the <a href="#">UMBC Credit Hour Policy</a>	3	3
<input type="checkbox"/>	Repeatable?	<input type="checkbox"/> Yes X No	<input type="checkbox"/> Yes X No
<input type="checkbox"/>	Max. Total Credits		<b>Max. Total Credits:</b> This should be equal to the number of credits for courses that cannot be repeated for credit. For courses that may be repeated for credit, enter the maximum total number of credits a student can receive from this course. E.g., enter 6 credits for a 3 credit course that may be taken a second time for credit, but not for a third time. Please note that this does NOT refer to how many times a class may be retaken for a higher grade.
X	Grading Method(s)	X Reg (A-F) X Audit X Pass-Fail	X Reg (A-F) X Audit <input type="checkbox"/> Pass-Fail

## CURRENT CATALOG DESCRIPTION:

### EDUC 427 - Science in the Secondary School (3.00)

This course develops a holistic, interdisciplinary understanding of science. Develops skills at designing, using and assessing various developmentally appropriate teaching strategies. Focuses on inquiry and action. Active learning strategies/tools, including reflective inquiries, demonstrations, constructions, field trips, observations and authentic teaching experiences. Use of educational technologies to enhance the teaching and learning of science. Emphasis on adapting subject matter to learner diversity. Field experiences are required in this course.

**Course ID:** 53517

**Consent:** Department Consent Required

**Components:** Lecture

**Prerequisite/Corequisite:** You must complete [EDUC 412](#).

## PROPOSED CATALOG DESCRIPTION (Approximately 75 words in length. Please use full sentences):

Students develop a holistic, interdisciplinary understanding of teaching science. The course focuses on designing, using, and assessing various developmentally appropriate teaching strategies, particularly inquiry and action. Students explore active learning strategies/tools, including reflective inquiries, demonstrations, constructions, field trips, observations, educational

technologies and authentic teaching experiences. There is an emphasis on adapting subject matter to learner diversity. Field experiences are required in this course.

Course ID: 53517

Consent: Department Consent Required

Components: Lecture

Prerequisite/Corequisite: You must complete [EDUC 412](#) with a B or better

**RATIONALE FOR CHANGE:** These changes improve the clarity of the course description and corrects a grammatical error in existing description. The name change provides consistency in how methods courses in all content areas are listed in our department.