

**GRADUATE-Level Teacher Certification Checklist
(Graduate-level Post-Baccalaureate)
SECONDARY GENERAL SCIENCE (Grades 9-12)**



Education department

**POST BACCALAUREATE STUDENTS ARE ONLY ELIGIBLE TO TAKE COURSES
REQUIRED FOR CERTIFICATION. NON-CERTIFICATION COURSES ARE NOT COVERED BY FINANCIAL AID.**

CONTENT AREA COURSEWORK FOR CHEMISTRY

35 hrs minimum

Grade	Course#	Course Title	Cr Hrs
-------	---------	--------------	-----------

History/Philosophy of Science and Technology (3 hours)

	HIST 303 or BIOL/CHEM/ENVS 105	History and Philosophy of Modern Science or Essentials in Science	3
--	--------------------------------------	--	---

Science Coursework - Minimum of 32 semester hours which must include:

Chemistry

	CHEM 109 or 110	Chemistry for Biological and Health-Related Sciences or Chemistry I	3
	CHEM 111L	Introductory Chemistry Laboratory	2

Biology

	BIOL 110	Principles of Biology	3
	BIOL 110L	Principles of Biology Laboratory	2

Physics

	PHYS 111	College Physics I	3
	PHYS 111L	Physics I Laboratory	2

Earth Science

	GEOL 110	Introduction to Physical Geology	3
	GEOL 110L	Introduction to Physical Geology Laboratory	2

Astronomy

	ASTR 108	Introduction to Astronomy	3
--	----------	---------------------------	---

Environmental Science

	ENVS 115	Introduction to Environmental Science	3
	ENVS 115L	Introduction to Environmental Science Lab	2

Electives

	Any Science	Any Science Electives (if hours needed to fulfill 32 hours minimum)	4
--	-------------	--	---

Professional Education Coursework

Post Baccalaureates may choose to take the Graduate equivalency to the undergraduate courses required for certification; graduate equivalencies will apply both towards certification and masters' degree. Ex. EDUC 200 = EDUC 542; 542 will meet certification requirement and apply towards MAT degree. Equivalent courses are in the "Grad Equivalent" column. Note: not all certification courses have graduate equivalencies.

Grade	Course #	Course Title	Cr Hrs	Grad Equivalent	Field Experience (observation hrs) included
	SOCI 270	Diversity and Society	3	EDUC 555	none
	EDUC 100	Introduction to Education*	3	n/a	15 hrs
	EDUC 200	Law, Ethics, and Education (<i>field experience added to 542</i>)	3	EDUC 542	15 hrs in 542
	EDUC 220	Methods of Teaching English Learners (<i>NOTE: if EDUC 542 taken prior to Fall 2020, EDUC 220/520 not required</i>)	3	EDUC 520	none
	EDUC 230	Educational Psychology	3	EDUC 560	none
	EDUC 300	Techniques of Teaching*	3	EDUC 505	15 hrs
	EDUC 390	Education & Psychology of the Exceptional Child	3	EDUC 525	none
	Choose option	EDUC 396 – Child and Adolescent Development; or EDUC 391 – Child Psychology and EDUC 392 – Adolescent Psychology	3	EDUC 550	none

Admission to the Teacher Certification Program (See Teacher Certification Program checklist)

	EDUC 311	Classroom Management Techniques	3	EDUC 563	15 hrs
	EDUC 322	Educational Measurement and Assessment	3	EDUC 580	none
	EDUC 338W	Content Reading and Writing	3	EDUC 516	15 hrs
	EDUC 365	Teaching Middle School and Secondary Science	3	n/a	15 hrs
	EDUC 375	Advanced Content Methods	3	n/a	15 hrs
	EDUC 376	Adolescent Literacy	3	EDUC 578	none
	EDUC 400	Senior Seminar	3	n/a	none

Approval for Student Teaching (See Student Teaching Checklist)

	EDUC 425	Undergraduate Student Teaching	12/9 **	EDUC 698	16 weeks
		Total Credit Hours	51-57		

Approval for DESE certification recommendation (See DESE Certification checklist)

*If EDUC 300 is taken, EDUC 100 is required; if EDUC 505 is taken, EDUC 100 is not required.

**See Student Teaching page of CC website for differences and similarities between EDUC 425 and EDUC 698.

Retention Criteria:

- Complete at least 6 hours of professional education each year
- Complete Field Experiences and receive favorable evaluations from cooperating teachers and college supervisors
- Maintain a cumulative GPA of 3.0 or above in professional education courses and GPA of 2.5 or above in content area courses

Other requirements that must be completed prior to certification:

- Successful completion/passing of appropriate Content Area Assessment
- Successful completion of program certification performance assessment – MEES

Other Requirements:

Post-Baccalaureate certification students completing the FAFSA to receive financial aid for certification must complete the following questions on the 2025-26 FAFSA accordingly:

Section 4 – Student College or Career School Plans:

- "When the student begins the 2025-26 school year, what will their college grade level be?" – Answer "Other undergraduate (junior year and beyond)"
- "When the student begins the 2025-26 school year, will they already have their first bachelor's degree?" – Answer "Yes"
- "Will the student be pursuing an initial teaching certification at the elementary or secondary level?" – Answer "Yes"

<https://studentaid.gov/h/apply-for-aid/fafsa>

Master of Arts in Teaching (MAT) degree

If you are planning to pursue the MAT degree after certification you will need to relay that information to your Education advisor since that may determine how many certification courses you should take at the graduate level. (In some cases, taking all of the graduate options would result in your taking more than the 36 hours needed for the degree.) The MAT degree requires a total of 36 hours of EDUC coursework at the graduate level which includes 15 hours of core courses (EDUC 500, 504, 508, 555, and 560). Therefore, be sure to take EDUC 555 (instead of SOCI 270) and EDUC 560 (instead of EDUC 230) since they work both for certification and the MAT degree. The other graduate-level courses for certification can be taken to count toward the 21 hours of electives required for the MAT. Recommend taking the following: EDUC 555 and EDUC 560 for the MAT core, and EDUC 698 and four additional graduate-level courses from this certification checklist for the MAT electives.)

Rev. 08/2025