

Instructions for Adding Adolescence to Young Adult (AYA) Science Licensure Areas

There are three ways an institution may add Adolescence to Young Adult science licensure areas. These three ways are described in detail below. The table below is provided for your convenience to connect Ohio Licensure Field Names with the corresponding National Science Teachers Association (NSTA) discipline areas.

Ohio Licensure Field Names (Adolescence to Young Adult Science Disciplines)	Life Sciences	Physical Sciences: Chemistry	Earth Sciences	Physical Sciences: Physics	Integrated Science
NSTA Discipline Areas	Biology	Chemistry	Earth and Space Sciences	Physics	Broad Field

First: Adding Single Field Licensure Programs

There are four types of single field licensure programs in Ohio:

- 1) Life Sciences (132030);
- 2) Earth Sciences (132040);
- 3) Physical Sciences: Chemistry (132150); and
- 4) Physical Sciences: Physics (132160).

In order to add any of the single field Ohio licensure programs on the list above, an institution is required to submit the [Ohio Education Licensure Program Proposal – Form A](#) to receive approval from the Chancellor of the Ohio Board of Regents.

Supporting Explanation: As defined by the [Standards for Science Teacher Preparation](#) prepared by the NSTA, a **single field program** requires specialization (often a major) in a primary discipline.¹ The teacher candidate should have 90% of the advanced competencies in the primary discipline and 90% of the supporting competencies in the remaining sciences.²

Second: Adding Dual Field Licensure Programs

If an institution has been approved to offer two single field science programs that lead to an Ohio Adolescence to Young Adult license, then that institution may combine the two approved discipline areas to add the dual field science licensure program by sending a request to the Ohio Board of Regents (via the [Adolescence to Young Adult \(AYA\) Science Licensure Program\(s\) Addition Request](#) Form).

If your institution is state approved for:	Life Sciences (132030) AND Physical Sciences: Physics (132160)	Life Sciences (132030) AND Physical Sciences: Chemistry (132150)	Life Sciences (132030) AND Earth Sciences (132040)	Physical Sciences: Physics (132160) AND Physical Sciences: Chemistry (132150)	Earth Sciences (132040) AND Physical Sciences: Physics (132160)	Earth Sciences (132040) AND Physical Sciences: Chemistry (132150)
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Your institution may add: (submit the Adolescence to Young Adult (AYA) Science Licensure Program(s) Addition Request Form to OBR)	Life Sciences/Physics (132035)	Life Sciences/Chemistry (132036)	Life Sciences /Earth Sciences (132034)	Physical Science (Physics & Chemistry) (132020)	Earth Sciences/Physics (132045)	Earth Sciences/ Chemistry (132046)
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If the institution has not been approved to offer the applicable single field licensure areas, then to add the dual field licensure program, the institution must submit the [Ohio Education Licensure Program Proposal – Form A](#) to receive approval from the Chancellor of the Ohio Board of Regents.

Supporting Explanation: As defined by the [Standards for Science Teacher Preparation](#) prepared by the NSTA, **dual field programs**¹ require equal preparation in two disciplines, usually with less than a major in each. In this case, teacher candidates should have 90% of the advanced competencies in both disciplines, with 90% of the supporting competencies in the remaining two disciplines.²

Third: Adding Broad Field Licensure Programs

Ohio has one broad field licensure program:

- 1) Integrated Science (132010)

If an institution has been approved to offer all four single field science programs that lead to an Ohio Adolescence to Young Adult license, then that institution may add the broad field licensure program as well as any of the dual field programs by sending a request to the Ohio Board of Regents (via the [Adolescence to Young Adult \(AYA\) Science Licensure Program\(s\) Addition Request](#) Form).

If the institution has not been state approved in all four single field licensure areas, the institution is required to submit the [Ohio Education Licensure Program Proposal – Form A](#) to receive approval from the Chancellor of the Ohio Board of Regents to add the broad field licensure program.

Supporting Explanation: As defined by the [Standards for Science Teacher Preparation](#) prepared by the NSTA, **broad field programs**¹ require preparation in three or four disciplines at once, with licensure in each discipline. In Ohio, teachers should have 90% of the advanced competencies in one discipline and 90% of the core competencies in the remaining three disciplines.²

<p>If your institution is state approved for:</p>	<p>Life Sciences (132030) AND Earth Sciences (132040) AND Physical Sciences: Chemistry (132150) AND Physical Sciences: Physics (132160)</p>
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<p>Your institution may add: (submit the Adolescence to Young Adult (AYA) Science Licensure Program(s) Addition Request Form to OBR)</p>	<p>Integrated Science (132010) AND/OR Life Sciences /Earth Sciences (132034) AND/OR Life Sciences/ Physics (132035) AND/OR Life Sciences/ Chemistry (132036) AND/OR Physical Science (Physics & Chemistry) (132020) AND/OR Earth Sciences/ Physics (132045) AND/OR Earth Sciences/ Chemistry (132046)</p>
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PLEASE NOTE - After receiving the [Adolescence to Young Adult \(AYA\) Science Licensure Program\(s\) Addition Request](#) Form, the Ohio Board of Regents will confirm receipt of request, notify the institution of the decision, update internal records of approved licensure areas, and notify the Ohio Department of Education, Office of Licensure (if request is approved). All state approved AYA science licensure areas must go through a full review (SPA review for NCATE schools) for the institutions next accreditation visit in order to maintain continued approval.

¹The definitions for Single Field Programs, Dual Field Programs, and Broad Field Programs may be found in the [Standards for Science Teacher Preparation](#) (revised in 2003) prepared by the National Science Teachers Association (NSTA) on page fourteen and at www.nsta.org/preservice.

² Refer to the [NSTA Standards](#) for more information on Advanced, Core, and Supporting Competencies for each discipline as shown in the *NSTA Content Analysis Form*.