

**PROPOSAL APPLICATION**

**Form No. SAAT-02**

Section (s.) 1007.25(9), Florida Statutes (F.S.), and Rule 6A-14.094, Florida Administrative Code (F.A.C.), outline the requirements for Florida College System institution specialized associate in arts transfer degree program proposals. The completed Proposal Application shall be submitted by the college president to the chancellor of the Florida College System at [ChancellorFCS@fldoe.org](mailto:ChancellorFCS@fldoe.org).

**CHECKLIST**

The proposal requires completion of the following components:

- Institution Information
- Program summary
- Program description
- Rationale for the specialized associate in arts transfer degree program length
- Coursework beyond the 60 credits required for a general associate in arts degree program
- Workforce demand and unmet need of the articulated baccalaureate degree program
- Program of study to include all predetermined performance and graduation requirements
- Articulation agreement between the college and the state university (Attach to Appendix A)
- Documented alignment between college exit and state university admission requirements
- College response to state university comments to the notice of intent
- Program implementation timeline

**PROPOSING FLORIDA COLLEGE SYSTEM INSTITUTION INFORMATION**

Institution Name.	Seminole State College of Florida
Institution Contact:	Carlene McNeil

**RECEIVING STATE UNIVERSITY SYSTEM INSTITUTION INFORMATION**

Institution Name:	University of Central Florida
Institution Contact:	Harrison Oonge

**PROGRAM SUMMARY**

1.1	Specialized associate in arts transfer degree program name.	Biology
1.2	Specialized associate in arts transfer degree program length (credit hours).	60-84 Credit Hours
1.3	How will the proposed specialized associate in arts transfer degree program be delivered (check all that apply)?	<input type="checkbox"/> Face-to-face (F2F) (Entire degree program delivered via F2F courses only)  <input type="checkbox"/> Completely online (Entire degree program delivered via online courses only)  <input checked="" type="checkbox"/> Combination of face-to-face/online (Entire degree program delivered via a combination of F2F and online courses)
1.4	Type and name of the baccalaureate degree program to which the specialized associate in arts transfer degree program articulates (check only one).	<input type="checkbox"/> Bachelor of Arts (BA) Please specify the program name below: Click or tap here to enter text.  <input checked="" type="checkbox"/> Bachelor of Science (BS) Please specify the program name below: Biology (BS)  <input type="checkbox"/> Bachelor of Applied Science (BAS) Please specify the program name below: Click or tap here to enter text.
1.5	Degree Classification of Instructional Program (CIP) code (6-Digit) of the baccalaureate degree program to which the specialized associate in arts transfer degree program articulates. CIP code refers to the taxonomic scheme developed by the U.S. Department of Education's <a href="#">National Center for Education Statistics</a> .	Biology CIP – 26.0101
1.6	Anticipated specialized associate in arts transfer degree program implementation date.	Fall 2026

## PROGRAM DESCRIPTION

2.1 This section will serve as an **executive summary** of this proposal. This section must include: the rationale for the specialized transfer degree program length, demand and unmet need of the articulated baccalaureate degree program in the state university's workforce area, and an overview of the program curriculum to include the proposed coursework beyond the sixty (60) credits required for a general associate in arts degree.

- **Rationale for the specialized associate in arts transfer degree program length:**  
The overall goal is to allow students to complete all required program prerequisites at Seminole State College such that transfer to the articulated college/university with junior status in the major may occur. This includes completing the Common Program Prerequisites and core coursework required by the major college/university for admission. The Biology specialization requires 24 additional course credits beyond the base 60 credits in the AA degree, bringing the total SAAT degree credits to range from 60-84.
- **Demand and unmet need of the university's articulated baccalaureate degree program:**  
The Florida Commerce employment data and projections indicate that from 2025 through 2033, the total job openings for the SOCs aligned with the program CIP identified in Section 1.5 is averaged at 520 every year over the next 8 years. However, these job openings are specific to region 12 and the regional and state-wide trends are estimated to be higher. The number of degrees awarded by the University of Central Florida has a 5-year average of 320 which yields an unmet need of 144-200 in our region.
- **Curriculum and coursework beyond 60 credits for a general associate in arts degree:**  
The addition of CHM 2210C – Organic Chemistry I with Laboratory (4 Credits) and CHM 2211C – Organic Chemistry II with Laboratory (4 Credits) into the AA Degree program causes the student to exceed 60 credits upon completion of all courses. It is notable to further explain that this degree requires either MAC X311 (Analytical Geometry/Calculus I) which has a prerequisite of MAC X140 (Precalculus Algebra) and MAC X114 (Trigonometry), or MAC 2233 (Concepts of Calculus) which has a prerequisite of MAC 1105 (College Algebra) as the Math entry point. Students who need these prerequisites or even the prerequisites to these prerequisites would run out of credits with the AA degree when also taking the other CPPs for Biology. An additional 8 credits are also included for students who need to satisfy the Foreign Language graduation requirement. However, with the SAAT in Biology, students will be able to take the required prerequisites for the required Math and Science within the degree.

<b>CURRENT SSCFL Associate in Arts Pathway – Biology</b>		
<b>Course Prefix/Number</b>	<b>Course Title</b>	<b>Credits</b>
<i>Communications</i>	ENC 1101	3
<i>Communications</i>	ENC 1102	3

<i>Oral Communications</i>	SPC1608	3
<i>Humanities</i>	Humanities Core	3
<i>Humanities</i>	Humanities Core/Institutional	3
<i>Mathematics</i>	STA 2023 - Statistics	3
<i>Mathematics</i>	MAC 2311 – Analytical Geometry/Calculus I	3
<i>Natural Sciences</i>	BSC 2010C - General Biology I and Laboratory	3
<i>Natural Sciences</i>	CHM 2045C – General Chemistry I and Laboratory	3
<i>Social Sciences</i>	Social Science Core (Civic Literacy option)	3
<i>Social Sciences</i>	Social Science Core/Institutional	3
<i>History</i>	History (Civic Literacy option)	3
<i>24-Hour Elective Block</i>	MAC 2311 (2), BSC 2010C (1), BSC 2011C (4), CHM 2045C(1), CHM 2046C(4), PHY 1053C (4), PHY 1054C (4), IDS 1107 (3), CHM 2210C(1)	24
	<b>Program Total</b>	<b>60</b>
<b>Coursework Beyond 60 Credits for a General Associate in Arts Degree</b>		
<b>Course Prefix/Number</b>	<b>Course Title</b>	<b>Credits</b>
<i>Common Prerequisite Manual</i>	CHM 2210C - Organic Chemistry I and Laboratory	3
<i>Common Prerequisite Manual</i>	CHM 2211C - Organic Chemistry II and Laboratory	4
Approved Electives (choose up to 17 credits from the following as needed)		
	MAC 1105 - College Algebra	3
	MAC 1114 - Trigonometry	3
	MAC 1140 - PreCalculus Algebra	3
	MAC 1147 - Precalculus Algebra/Trigonometry	5
	MCB 2010C - Microbiology	5
	PSY 2012 - General Psychology	3
	SLS 1301C - Life/Career Planning	3
	SLS 1603 - Financial Success for Students	1
	SPN 1120 – Elementary Spanish I	4
	SPN 1121 – Elementary Spanish II	4
	SPN 2200 – Intermediate Spanish I	4
	SPN 2201 – Intermediate Spanish II	4
	FRE 1120 – Elementary French I	4
	FRE 1121 – Elementary French II	4

ASL 1140 – American Sign Language I	4
ASL 1150 – American Sign Language II	4
ASL 2160 – American Sign Language III	4
	<b>Additional Coursework Total</b>
	<b>24</b>
	<b>Program Total</b>
	<b>60 -84</b>

By completing these extra 24 credits, students fulfill the common prerequisites required for admission to University of Central Florida (UCF). This additional coursework ensures that students are adequately prepared for upper-division architectural studies and are crucial for a smooth transition into a bachelor's program in Biology.

### WORKFORCE DEMAND AND UNMET NEED

3.1 Describe the workforce demand and unmet need of the baccalaureate degree program to which the specialized associate in arts transfer degree program articulates that incorporates, at a minimum, the shaded information from Sections 3.1.1 and 3.1.3. The Standard Occupational Classification (SOC) system is used to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. For proposed programs without a listed SOC linkage, provide a rationale for the identified SOC code(s). If using a SOC that is not on the CIP to SOC crosswalk, please justify why the SOC aligns with the articulated baccalaureate degree program.

There are a variety of job opportunities, especially within healthcare laboratories, research institutions, environmental sciences, biotechnology, and pharmaceutical research institutions. The growing biology and biotechnology sector in Seminole State's service area has a high demand, particularly for professionals who are working in drug research and development, and quality assurance sectors.

According to our partners at UCF, the BS in biology degree prepares students to work in subspecialties including molecular biology, conservation biology and marine biology. In addition, the program prepares students in human and veterinary medicine which are included in the demand data.

The Florida Commerce employment data and projections indicate that from 2025 through 2033, the total job openings for the SOCs aligned with the program CIP identified in Section 1.5 is averaged at 520 every year over the next 8 years. However, these job openings are specific to region 12 and the regional and state-wide trends are estimated to be higher. The number of degrees awarded by the University of Central Florida has a 5-year average of 357 which yields an unmet need of 71-163 in our region.

3.2 Describe any other evidence of workforce demand and unmet need of the articulated baccalaureate degree program, which may include qualitative or quantitative data and information not reflected in the data presented in Sections 3.1.1 and 3.1.3, such as local economic development initiatives, emerging industries in the area, or evidence of rapid growth.

The U.S. Bureau of Labor Statistics projects that employment for biological science occupations will grow by an average of 8%. The 2023 employment data and projections show 91 jobs listed in the table below. State-wide trends are much higher.

**U.S. Bureau of Labor Statistics Occupational Employment**

<b>SOC #</b>	<b>Occupation</b>	<b>Annual Opening</b>	<b>% Growth</b>	<b>Education</b>
<b>25-1042</b>	<b>Biological Science Teachers, Postsecondary</b>	<b>54</b>	<b>5.5</b>	<b>B</b>
<b>11-9121</b>	<b>Natural Sciences Managers</b>	<b>37</b>	<b>10.4</b>	<b>B</b>





## ESTIMATES OF UNMET NEED

3.1.3 The Excel spreadsheet below is set up with predefined formulas. To activate the spreadsheet, right click within the spreadsheet, go to “Worksheet Object”, and then “Open”. To exit, save any changes and exit out of the spreadsheet. Alternatively, double click anywhere on the table. To exit the spreadsheet, single click anywhere outside of the table.

**INSTRUCTIONS FOR COMPLETING THE ESTIMATES OF UNMET NEED SECTION:** If data are not available for completers in the university’s workforce area, please report statewide data. You may note these are statewide figures.

	Total Job Openings	Most Recent Year	5-year average or average of years available if less than 5 years	Difference	Difference
FloridaCommerce Total	520	449	357	71	163
Other Totals				0	0

## SPECIALIZED ASSOCIATE IN ARTS TRANSFER DEGREE REQUIREMENTS

4.1 In accordance with s. 1007.25(9)(b)(3), F.S., except for developmental education required pursuant to s. 1008.30, F.S., all required coursework must count toward the specialized associate in arts transfer degree or the baccalaureate degree.

Requirement Area	Predetermined and Specified Performance Requirements
<b>General Education Core</b>	Pursuant to s. 1007.25(3), F.S., and Rule 6A-14.0303, F.A.C., complete at least one general education core course in each of the five subject disciplines (communications, mathematics, humanities, social science, natural science) for a total of 15 credits to fulfill the general education requirement. <b>(Note:</b> Approved accelerated mechanisms may be used to fulfill this requirement.)
<b>Institutional General Education</b>	Pursuant to s. 1007.25(3), F.S., and Rule 6A-14.0303, F.A.C., complete the remaining 21 credits, in addition to the core, for a total 36 credits of institutional general education to fulfill the general education requirement. <b>(Note:</b> Approved accelerated mechanisms may be used to fulfill this requirement.)
<b>Electives</b>	Pursuant to s. 1007.25(9), F.S., complete the remaining 24 elective credits to fulfill the total 60 credits for the attainment of an associate degree. <b>(Note:</b> Electives should be selected by program and/or pathway and may be used to fulfill associate in arts requirements and/or baccalaureate program prerequisites. Approved accelerated mechanisms may be used to fulfill this requirement.)
<b>Communication and Computation</b>	Pursuant to Rule 6A-10.030, F.A.C., complete 6 credits in English and 6 credits in mathematics to fulfill the assessment procedures for college-level communication and computation. <b>(Note:</b> Institutional general education courses and/or electives may be used to fulfill this requirement. Approved accelerated mechanisms may be used to fulfill this requirement.)
<b>Foreign Language</b>	Pursuant to s. 1007.262, F.S., and Rule 6A-10.02412, F.A.C., complete 2 years in high school or 8 college credits in the same foreign language, which may be satisfied via CLEP or challenge exam. <b>(Note:</b> Institutional general education courses and/or electives may be used to fulfill this requirement. Approved accelerated mechanisms may be used to fulfill this requirement.)
<b>Civic Literacy Competency</b>	Pursuant to s. 1007.25(5), F.S. and Rule 6A-10.02413, F.A.C., complete a course (3 credits) and assessment to fulfill the civic literacy requirement. <b>(Note:</b> Institutional or core general education courses and/or electives may be used to fulfill the course requirement. Approved accelerated mechanisms may be used to fulfill this requirement.)
Requirements Beyond Sixty (60) Credits	
<b>Specialized Coursework</b>	Pursuant to s. 1007.25(5), F.S. and Rule 6A-14.094, F.A.C., complete additional specified credits beyond the 60 credits required for the general associate in arts degree for admission to a baccalaureate degree program. <b>(Note:</b> Specialized coursework may include course-level prerequisites as part of the specialized associate in arts transfer degree program, baccalaureate degree program prerequisites, or a combination).
<b>Baccalaureate Program Prerequisites</b>	The proposing college and receiving university should consult the Common Prerequisites Manual (CPM). The CPM lists the prerequisite courses and alternatives for each university degree program. Students must complete all required prerequisites to be admitted into an upper division program. <b>(Note:</b> Institutional general education, electives, and/or specialized coursework may be used to fulfill this requirement.)

5.1 Program of Study of at least sixty (60) college credits after the attainment of predetermined and specified performance requirements. For the articulated baccalaureate degree identified in Section 1.4, list all courses required by term. Include credit per term and total credits for the program. Please include the provided abbreviations in parentheses following each course title to indicate what courses fulfill the following requirements: foreign language (**fl**), civic literacy (**cl**), general education (**ge**) including core, electives (**elec**), baccalaureate degree program prerequisites (**pre**) as identified in the Common Prerequisites Manual, and additional courses (**saat**) beyond the 60 credits required for an associate in arts general degree. Please use the continued program plan on the next page, if needed.

The Excel spreadsheet below is set up with predefined formulas. To activate the spreadsheet, right click within the spreadsheet, go to "Worksheet Object", and then "Open". To exit, save any changes and exit out of the spreadsheet. Alternatively, double click anywhere on the table. To exit the spreadsheet, single click anywhere outside of the table.

5.1.1	Associate in Arts Specialized Degree Program of Study	
Term 1	Course Title	Credit Hours
	ENC 1101 - English I (ge core)	3
	IDS 1107 - First Year Experience Flightpath - Chart Your Course	3
	BSC 2010C - General Biology I (ge core)	4
	MAC 1105 - College Algebra (ge Core)	3
	Total Term Credit Hours	13
Term 2	Course Title	Credit Hours
	ENC 1102 - English II (ge Inst)	3
	BSC 2011C - General Biology II	4
	CHM 2045C - General Chemistry I (ge Inst)	4
	Humanities (ge Core)	3
	Total Term Credit Hours	14
Term 3	Course Title	Credit Hours
	CHM 2046C - General Chemistry II w Qual Anls	4
	MAC 1114 - Trigonometry (ge Inst)	3
	MAC 1140 - Pre-Calculus Algebra	3
	Social Science (ge Core/Civic Lit Option)	3
	Total Term Credit Hours	13
Term 4	Course Title	Credit Hours
	MAC 2311 - Calculus I	5
	CHM 2210C - Organic Chemistry I	4
	Humanities (ge Inst)	3
	History (ge Inst/Civic Lit Option)	3
	Total Term Credit Hours	15
Term 5	Course Title	Credit Hours
	CHM 2211C - Organic Chemistry II	4
	PHY 1053C - General Physics I	4
	Social Science - (ge Inst)	3
	Language I	4
	Total Term Credit Hours	15
Term 6	Course Title	Credit Hours
	PHY 1054C - General Physics II	4
	STA 2023 - Statistical Methods I	3
	SPC 1608 - Speech Communication	3
	Language II	4
	Total Term Credit Hours	14
	<b>Program Total Credit Hours:</b>	<b>60-84</b>

5.1.1	<b>Associate in Arts Specialized Degree Program of Study (Continued)</b>	
<b>Term 7</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Total Term Credit Hours	0
<b>Term 8</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Total Term Credit Hours	0
<b>Term 9</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Total Term Credit Hours	0
<b>Term 10</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Total Term Credit Hours	0
<b>Term 11</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Total Term Credit Hours	0
<b>Term 12</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Total Term Credit Hours	0
	<b>Program Total Credit Hours:</b>	<b>0</b>

**Instructions:** The completed and signed articulation agreement form, Form No. SAAT-03, must be attached to Appendix A of this completed proposal form, Form No. SAAT-02.

**ARTICULATION AGREEMENT  
Form No. SAAT-03**

6.1 The proposed specialized associate in arts transfer degree program shall articulate into the specified state university and baccalaureate degree program below. The total credit hours must include all required courses of the associate in arts specialized transfer degree program and the articulated baccalaureate degree program.

<b>College Name</b>	<b>University Name</b>	<b>Total Credit Hours</b>
Click or tap here to enter text.	Click or tap here to enter text.	
<b>Specialized AA Transfer Degree Program Name</b>	<b>Baccalaureate Degree Program Name</b>	
Click or tap here to enter text.	Click or tap here to enter text.	
<b>Specialized AA Transfer Degree Program Credit Hours</b>	<b>Baccalaureate Degree Program Credit Hours</b>	
Click or tap here to enter text.	Click or tap here to enter text.	

6.2 The specialized associate in arts transfer degree program shall include the following requirements. Please check the boxes below to indicate that the Program Plan in Section 5.1 includes the requirements below.

<b>General Education Core</b>	<input type="checkbox"/> 15 credits
<b>Institutional General Education</b>	<input type="checkbox"/> 21 credits
<b>Electives</b>	<input type="checkbox"/> 24 credits
<b>Communication and Computation</b>	<input type="checkbox"/> 6 credits
<b>Foreign Language</b>	<input type="checkbox"/> 8 credits
<b>Civic Literacy Competency</b>	<input type="checkbox"/> 3 credits and an assessment

6.3 The baccalaureate degree program shall include the following baccalaureate degree program requirements for the proposed articulation agreement between the specialized associate in arts transfer degree and the baccalaureate degree program indicated in Section 1.4.

<b>Common Prerequisites</b>	Please list the required prerequisites and alternatives as they appear in the Common Prerequisites Manual for the articulated baccalaureate degree program. Click or tap here to enter text.
<b>Admission Requirements</b>	Please list academic GPA, test scores, fingerprints, health screenings, background checks, signed releases, and any other program admission requirements, if applicable. Click or tap here to enter text.
<b>Other Requirements</b>	Please list any other requirements that a student completing a specialized associate in arts transfer degree program may need as part of the articulated baccalaureate degree program to seamlessly transfer. Click or tap here to enter text.

<b>College Representative Signature</b> Click or tap here to enter text.	<b>University Representative Signature</b> Click or tap here to enter text.
---	--

## COLLEGE RESPONSE TO UNIVERSITY COMMENTS

7.1 Provide comments received from any college or state university for this proposed program. The proposing college must submit a response and include any necessary supporting documentation, if applicable.

- **Comments Received:**

Comment Submitter Name and Title: Dr. Debbie Thorne, Executive Vice President and Provost Comments: Courses and Curriculum • Insufficient Preparation for Biology Majors: Students completing the AA would lack key foundational courses—Cell Biology, Genetics, and Ecology—which are core requirements for FGCU’s Biology degrees. • Delayed Progression: Advising students to complete these courses post-transfer could delay graduation and complicate their academic trajectory. • Missing Prerequisites: Biology II (BSC 2011C) is listed as an elective rather than a requirement, despite being a prerequisite for many upper-level courses. • Limited FGCU First-Semester Options: Without Bio I and II, students may have restricted access to upper-level coursework upon transfer.

- **College Response:**

The 24-hour elective block listed in the NOI is required. That was the college’s attempt to show the first 60 credit hours that will prepare the student for the additional credits needed to prepare our students for upper-level courses. In the term-by-term sequence BSC 2010C (General Biology I) is in term 1 and BSC 2011 (General Biology II) is in term 2.

## PROGRAM IMPLEMENTATION TIMELINE

8.1	Indicate the date the Notice of Intent (NOI) was submitted to DFC.	7/23/2025
8.2	Indicate the date the initial proposal was submitted to DFC.	12/17/2025
8.3	Indicate the date the completed proposal was submitted to DFC.	1/21/2026
8.4	Indicate the date the proposal is targeted for State Board of Education (SBOE) consideration.  Please note that from the date the DFC receives the finalized proposal, the Commissioner has 45 days after DFC receives a completed proposal to recommend to the SBOE approval or disapproval of the proposal. Please take into account the date you plan to	2/20/2026

	submit the proposal in accordance with the <a href="#">next SBOE meeting</a> .	
--	--	--

**Appendix A**

Specialized Associate in Arts Transfer Degree Articulation Agreement  
(Attach Completed and Signed Articulation Agreement, Form No. SAAT-03)