

## **Articulation Agreement between Tunxis Community College And Central Connecticut State University**

The purpose of this agreement is to effect the smooth transfer of graduates of Tunxis Community College to Central Connecticut State University, College of Liberal Arts. It applies to those courses required for the Honors Program: Computer Science/ Mathematics Associate in Science degree. It provides specific information whereby students can transfer as juniors into corresponding programs at Central Connecticut State University, specifically the Bachelor of Science in Mathematics for Secondary Teaching Certification, the Bachelor of Science in Computer Science Honors Program, and the Bachelor of Science in Computer Science Alternative Program.

### Stipulations of the Agreement

1. Students receiving an Associate's Degree with a 2.7 or higher cumulative grade point average will be guaranteed admission to Central Connecticut State University, subject to space availability, and provided they complete the required admission process.
2. Only grades of "C" or higher will transfer.
3. Tunxis Community College transfer students will be subject to all general education and other requirements of Central Connecticut State University as stated in the current Central Connecticut State University catalog.
4. The appropriate departments of both Tunxis Community College and Central Connecticut State University agree to consult each other on changes in requirements in the relevant programs in advance of implementation of such changes.
5. Adoption of changes, including modification to this agreement, will include an appropriate timeline for implementation. Students who take courses under existing policies will be protected.
6. Each institution agrees to provide a representative to administer the terms of this agreement pertaining to that representative's institution. This responsibility will include maintaining close communication with the cooperating institutions to assure a full and timely exchange of information, the early resolution of articulation difficulties, the organization of meetings and workshops as needed for institutional counterparts, the promotion of the agreement, cooperative recruitment, and any other activities which will promote the agreement.
7. This initial agreement is for a period of three years. Recommendation for renewal will be considered after appropriate review by all cooperating institutions.

## Bachelor of Science in Mathematics for Secondary Education Certification

<u>Courses Taken at Tunxis</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
<b>Semester 1:</b>		
CSC*210 C Programming	3	Elective
MAT*186 Precalculus	4	Skill Area II
ENG*101 Composition	3	ENG 110 (Skill Area I)
Social Science Elective	3	General Education 1
Humanities Elective	<u>3</u>	General Education 2
	16	
<b>Semester 2:</b>		
CSC*214 Advanced C++ Programming	3	Skill Area IV
MAT*254 Calculus I	4	MATH 152 (major)
ENG*293 Survey of Literary Genres	3	Study Area I (L)
Social Science Elective	3	General Education 3
Behavioral Science Elective	<u>3</u>	General Education 4
	16	
<b>Semester 3:</b>		
CSC*220 Object Oriented Programming	3	Skill Area II
MAT*256 Calculus II	4	MATH 221 (major)
HIS*201 US History I OR	3	Study Area II
HIS*202 US History II		
Communication Skills Elective	3	General Education 5
CHE*121 General Chemistry I OR	<u>4</u>	Study Area IV (lab science
PHY*221 Calculus-Based Physics I	17	requirement for major)
<b>Semester 4:</b>		
CSC*221 Advanced Java Programming I	3	Elective for math major
MAT*268 Calculus III: Multivariable	4	MATH 222 (elective for major)
CHE*122 General Chemistry II OR	4	Study Area IV (lab science
PHY*222 Calculus-Based Physics II		requirement for major)
Fine Arts Elective	3	General Education 6
General Elective	<u>3</u>	If not taken at Tunxis, then at
	14-17	CCSU possibly Modern Lang.

The six directed electives in General Education should be chosen in consultation with the faculty advisor to fulfill distribution requirements at Tunxis Community College as well as to meet Central Connecticut State University's general education program:

- 2 courses (6 credits) in Study Area I (Arts and Humanities) with at most 1 in Literature
- 2 courses (6 credits) in Study Area II (Social Sciences) with at most 1 in History
- 1 course (3 credits) in Study Area III (Behavioral Science)
- 1 course (3 credits) in Skill Area I (Communication)

Total 63-66 credits from Tunxis Community College of which 15 are applied to the math major.

Tunxis graduates must attain a 2.7 GPA both overall and in the major.

As part of the articulation agreement, Central Connecticut State University will waive 1 credit for MATH 320 and accept Advanced Java Programming I as a mathematics elective.

## Bachelor of Science in Mathematics for Secondary Education Certification

Courses remaining to be taken at Central Connecticut State University: 65-68 credits: 3 for PSYC 236, 29 credits in the math major, 30 credits in the professional program, and 2-6 credits of electives (possibly including Modern Language).

<u>Courses at CCSU</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
Semester 5		
MATH 218 Discrete Mathematics	4	Major
MATH 120 Problem Solving I	1	Major
MATH 327 Curriculum and Technology I*	3	Major
STAT 314 Introd. Statistics for Secondary Teaching*	3	Major
PSYCH 236 Life Span Development	3	Study Area III, req. for program
Elective OR Modern Language	<u>3</u>	Elective or Skill Area III
	17	

This semester students should apply for professional program (two letters of recommendation from Tunxis Community College professors are required).

Semester 6		
MATH 228 Linear Algebra	4	Major
MATH 323 College Geometry	3	Major
MATH 328 Curriculum and Technology II*	3	Major
MATH 313 Number Systems and Viewpoint	2	Major
EDTE 316 Principles of Learning	<u>4</u>	Professional program
	16	

\*Prerequisite of MATH 221 only – just for students under this articulation agreement; usually MATH 218 is also required.

Summer		
EDF 415 Educational Foundations	3	Professional program
SPED 315 Educating Exceptional Learners	3	Professional program
Elective (Optional, if needed)	<u>2-3</u>	Could be taken at Tunxis
	6-9	

Semester 7		
MATH 411 Clinical Experiences	1	Major
MATH 366 Abstract Algebra	4	Major
MATH 220 Problem Solving II	1	Major
MATH 413 Secondary Methods	4	Professional program
EDSC 425 Principles of Secondary Ed.	3	Professional program
RDG 440 Literacy in Secondary School	<u>3</u>	Professional program
	16	

Semester 8		
EDSC 435 Student Teaching	9	Professional program
MATH 426 Student Teaching Seminar	<u>1</u>	Professional program
	10	

64-67 credits taken at Central Connecticut State University for a total of 130 credits.

## Bachelor of Science in Computer Science (Honors)

<u>Courses Taken at Tunxis</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
Semester 1:		
CSC*210 C Programming	3	CS 290 (Aux. elective)
MAT*186 Precalculus	4	Skill Area II
ENG*101 Composition	3	ENG 110 (Skill Area I)
Social Science Elective	3	Study Area II
Humanities Elective	<u>3</u>	Study Area II
	16	
Semester 2:		
CSC*214 Advanced C++ Programming	3	CS 151
MAT*254 Calculus I	4	MATH 152
ENG*293 Survey of Literary Genres	3	Study Area I (Literature)
Social Science Elective	3	Study Area II
Behavioral Science Elective	<u>3</u>	Study Area III
	16	
Semester 3:		
CSC*220 Object Oriented Programming	3	CS 152
MAT*256 Calculus II	4	MATH 221
Communication Skills Elective	3	Skill Area I
HIS*201 US History I OR	3	Study Area II (History)
HIS*202 US History II		
Science (lab)	<u>4</u>	Study Area IV (lab science requirement for major)
	17	
Semester 4:		
CSC*221 Advanced Java Programming I	3	CS 153
MAT*268 Calculus III: Multivariable	4	Free Elective
Fine Arts Elective	3	Study Area I
Science (lab)	<u>4</u>	Study Area IV
	14	

Total of 63 credits taken at Tunxis Community College.

### Upon admittance to Central Connecticut State University

Semester 5		
MATH 218	4	
CS 253	3	
CS 254	3	
PHIL 245	3	
Skill Area III/Free Elective	<u>3</u>	
	16	

## Bachelor of Science in Computer Science (Honors)

<u>Courses Taken at Tunxis</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
Semester 1:		
CSC*210 C Programming	3	CS 290 (Aux. elective)
MAT*186 Precalculus	4	Skill Area II
ENG*101 Composition	3	ENG 110 (Skill Area I)
Social Science Elective	3	Study Area II
Humanities Elective	<u>3</u>	Study Area II
	16	
Semester 2:		
CSC*214 Advanced C++ Programming	3	CS 151
MAT*254 Calculus I	4	MATH 152
ENG*298 Survey of Literary Genres	3	Study Area I (Literature)
Social Science Elective	3	Study Area II
Behavioral Science Elective	<u>3</u>	Study Area III
	16	
Semester 3:		
CSC*220 Object Oriented Programming	3	CS 152
MAT*256 Calculus II	4	MATH 221
Communication Skills Elective	3	Skill Area I
HIS*201 US History I OR	3	Study Area II (History)
HIS*202 US History II		
Science (lab)	<u>4</u>	Study Area IV (lab science requirement for major)
	17	
Semester 4:		
CSC*221 Advanced Java Programming I	3	CS 153
MAT*256 Calculus II	4	Free Elective
Fine Arts Elective	3	Study Area I
Science (lab)	<u>4</u>	Study Area IV
	14	

Total of 63 credits taken at Tunxis Community College.

### Upon admittance to Central Connecticut State University

Semester 5		
MATH 218	4	
CS 253	3	
CS 254	3	
PHIL 245	3	
Skill Area III/Free Elective	<u>3</u>	
	16	

<u>Courses at CCSU</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
Semester 6		
STAT 315	3	
Behavioral Science	3	Study Area III
CS 354	3	
CS 355	3	
Skill Area III/Free Elective	3	
PHYS 338	<u>1</u>	
	16	
Semester 7		
CS	3	Advanced Area
CS	3	Advanced Directed Elective
CS	3	Advanced Directed Elective
Science	3	
Skill Area I	<u>3</u>	
	15	
Semester 8		
CS	3	Advanced Area
CS	3	Advanced Directed Elective
Lab Science	4	Major
CS	1	Auxiliary Elective
Free Elective	<u>1</u>	
	12	

Total of 59 credits taken at Central Connecticut State University.

63 credits taken at Tunxis Community College plus 59 credits taken at Central Connecticut State University for a total of 122 credits.

*(Nota Bene: At Central Connecticut State University, each student must complete 6 credits in courses designated as "International". Please refer to Central Connecticut State University's catalog for further details concerning general education, major, and concentration requirements.)*

## Bachelor of Science in Computer Science (Alternative)

<u>Courses Taken at Tunxis</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
Semester 1:		
CSC*210 C Programming	3	CS 290 (Major elective)
MAT*186 Precalculus	4	Skill Area II
ENG*101 Composition	3	ENG 110
Social Science Elective	3	Study Area II
Humanities Elective	<u>3</u>	Study Area I
	16	
Semester 2:		
CSC*214 Advanced C++ Programming	3	CS 151
MAT*254 Calculus I	4	MATH 152
ENG*298 Survey of Literary Genres	3	Study Area I (Literature)
Social Science Elective	3	Study Area II
Behavioral Science Elective	<u>3</u>	Study Area III
	16	
Semester 3:		
CSC*220 Object Oriented Programming	3	CS 152
Communication Skills Elective	3	Skill Area I
HIS*201 US History I OR	3	Study Area II (History)
HIS*202 US History II	<u>3</u>	
Science	3	Study Area IV
	12	
Semester 4:		
CSC*221 Advanced Java Programming I	3	CS 153
Comm. Skills Elective	3	Skill Area I
Behavioral Science Elective	3	Skill Area III
Fine Arts Elective	3	Study Area I
Science (lab)	<u>4</u>	Study Area IV
	16	

Total of 60 credits taken at Tunxis Community College.

### Upon admittance to Central Connecticut State University

<u>Courses at CCSU</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
Semester 5		
MATH 218	4	
CS 253	3	
CS 254	3	
Concentration	3	
Skill Area III/Free Elective	<u>3</u>	
	16	

<u>Courses at CCSU</u>	<u>Credits</u>	<u>CCSU Equivalent</u>
Semester 6		
MATH 228	4	Free Elective (not required)
CS Major Elective	3	
CS Major Elective	3	
Concentration	3	
Skill Area III/Free Elective	<u>3</u>	
	16	
Semester 7		
CS Major Elective	3	
CS Major Elective	3	
Concentration	3	
Concentration	3	
Free Elective	<u>3</u>	
	15	
Semester 8		
Concentration	3	
Concentration	3	
Concentration/Free Elective	3	
Free Elective	3	
Free Elective	<u>3</u>	
	15	

Total of 62 credits taken at Central Connecticut State University.

60 credits taken at Tunxis Community College plus 62 credits taken at Central Connecticut State University for a total of 122 credits.

*(Nota Bene: At Central Connecticut State University, each student must complete 6 credits in courses designated as "International". Please refer to Central Connecticut State University's catalog for further details concerning general education, major, and concentration requirements.)*

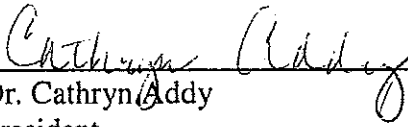
---


Dr. Cathryn Addy, President  
Tunxis Community College

---

Dr. John W. Miller, President  
Central Connecticut State University



  
Dr. Cathryn Addy  
President  
Tunxis Community College

  
Dr. John W. Miller  
President  
Central Connecticut State University