



## **COOPERATION & ARTICULATION AGREEMENT BETWEEN Austin Community College and University of North Texas**

This agreement is entered into, by and between Austin Community College, hereinafter referred to as ACC, and University of North Texas, hereinafter referred to as UNT, for the purposes, terms, and conditions as further described below.

### **I. Purpose and Rationale**

Both parties seek to cooperate by articulating three “Transfer Plans” in the areas of High School Biology, Chemistry, and Mathematics, with three bachelor degree programs, for the benefit of students whose goals are to become certified secondary teachers in the state. It is projected that by clarifying mutually accepted courses and equivalents, this articulation agreement assists the institutions in informing, recruiting, and advising interested students.

The efforts outlined in this agreement also further the objectives of ACC’s GET SMART Project funded with support from a National Science Foundation Grant (DUE #0302086). In particular, this project seeks to identify prospective community college students interested in becoming public school teachers in mathematics and science; and provides them with more efficient and effective pathways for obtaining their baccalaureate degrees and appropriate state teacher certification. The respective transfer plans do not meet the requirement for core curriculum completion nor for completion of the associate degree, however, all courses completed as a requirement of this agreement will transfer and be applied to one of the identified degrees at UNT. Thus these students will attend ACC their freshman and sophomore years; complete two teacher preparation and other content courses; and seamlessly transfer to UNT. This agreement enables both UNT and ACC to address the state-wide teacher education shortage as part of their respective overall commitment to serve the educational needs of the state and the Central Texas region.

### **II. Articulated Courses and Programs**

ACC students who successfully complete all of the following courses within the respective “Transfer Plan” will be able to transfer with junior standing to the respective UNT program leading to a Bachelor of Arts with a Major in Biology with Secondary Education Certification, a Bachelor of Arts with a Major in Chemistry Education, or a Bachelor of Arts with a Major in Mathematics with Secondary Education Certification. All students who meet these requirements are admitted as transfer students to UNT by completing a transfer admissions application.

### **III. Follow-Up Data**

UNT agrees to provide ACC with data and information each fall semester regarding the progress and performance of students who transfer under this agreement.

Transfer Plan for Prospective **Biology** High School  
Teachers to the University of North Texas

<b>Austin Community College</b>		<b>University of North Texas</b>	
<b>Semester 1</b>	<b>credit hrs.</b>		<b>credit hrs.</b>
BIOL 1406 Cell & Molecular Biology	4	BIOL 1710, 1730 Principles of Biol I w/ lab	4
CHEM 1411 General Chemistry I	4	CHEM 1410, 1430 General Chem I w/ lab	4
ENGL 1301 English Composition I	3	ENGL 1310 College Writing I	3
<sup>1</sup> Foreign Language I	<u>5</u>	Foreign Language I	<u>4</u>
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
<b>Semester II</b>			
BIOL 1407 Str & Funct of Organisms	4	BIOL 1720, 1740 Principles of Biol II	4
CHEM 1412 General Chemistry II	4	CHEM 1420, 1440 General Chemistry II	4
ENGL 2311 Technical & Business Writing	3	ENGL 2700 Technical Writing	3
<sup>1</sup> Foreign Language II	5	Foreign Language II	4
<sup>2</sup> EDUC 1301 Intro to the Teaching Prof	<u>3</u>	EDSE 3800 Legal, Organiz & Prof Issues	<u>3</u>
<b>TOTAL</b>	<b>19</b>	<b>TOTAL</b>	<b>18</b>
<b>Semester III</b>			
BIOL 2421 Microbiology	4	BIOL 2040 Biol of Microorganisms	4
<sup>3</sup> CHEM 2423 Organic Chemistry I	4	CHEM 2370, 3210 Organic Chemistry I	4
<sup>2</sup> EDUC 2301 Intro to Special Populations	3	EDSE 4070 Teaching Diverse Populations	3
Humanities Elective	3	Humanities	3
[ENGL 2322, 2323, 2327 or 2328 or PHIL 1301 or 2303]		[ENG 2322, 2323, 2327 or 2328 or PHIL 1050 or 2050]	
<sup>1</sup> Foreign Language III	<u>3</u>	Foreign Language III	<u>3</u>
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>17</b>
<b>Semester IV</b>			
BIOL 2406 Ecology & Evolutionary Biology	4	BIOL 2140 Principles of Ecology	3
<sup>3</sup> CHEM 2425 Organic Chemistry II	4	CHEM 2380, 3220 Organic Chemistry II	4
MATH 2413 Calculus I	4	MATH 1710 Calculus I	4
<sup>1</sup> Foreign Language IV	<u>3</u>	Foreign Language IV	<u>3</u>
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>14</b>
<b>Total ACC credits</b>	<b>67</b>	<b>TOTAL UNT credits</b>	<b>64</b>
<p><b>NOTES:</b></p> <p><sup>1</sup> Only 4th semester required to meet proficiency requirement. CLEP or AP credit through year 2 will satisfy requirement. Any foreign language, including American Sign Language acceptable. Spanish is recommended. If the foreign language requirements is complete, take PHYS 1401 &amp; 1402, transferring as 1410/1430 and 1420/1440.</p> <p><sup>2</sup> Will not count for upper division credit at UNT.</p> <p><sup>3</sup> Lab will not count for upper division credit at UNT. Students should take CHEM 4700 after transfer</p>			

**Transfer Plan for Prospective Chemistry High School Teachers to the University of North Texas**

<b>Austin Community College</b>	<b>University of North Texas</b>
<p><b>Semester I</b></p> <p>CHEM 1411 General Chemistry I 4</p> <p>ENGL 1301 English Composition I 3</p> <p><sup>1</sup>Foreign Language I 5</p> <p>HIST 1301 US History I 3</p> <p><sup>2</sup>EDUC 1301 Intro to Teaching Prof 3</p> <p style="text-align: right;"><b>TOTAL 18</b></p>	<p style="text-align: right;"><b>credit hrs.</b></p> <p>CHEM 1410, 1430 General Chem I w/ lab 4</p> <p>ENGL 1310 College Writing I 3</p> <p>Foreign Language I 4</p> <p>HIST 2610 US History to 1853 3</p> <p>ESE 3800 Legal, Organiz &amp; Prof Issues 3</p> <p style="text-align: right;"><b>TOTAL 17</b></p>
<p><b>Semester II</b></p> <p>CHEM 1412 General Chemistry II 4</p> <p>ENGL 1302 English Composition II 3</p> <p>HIST 1302 US History II 3</p> <p>MATH 2412 Precalculus 4</p> <p><sup>1</sup>Foreign Language II 5</p> <p style="text-align: right;"><b>TOTAL 19</b></p>	<p>CHEM 1420, 1440 General Chemistry II 4</p> <p>ENGL 1320 College Writing II 3</p> <p>HIST 2620 US History Since 1865 3</p> <p>MATH 1650 Precalculus 5</p> <p>Foreign Language II 4</p> <p style="text-align: right;"><b>TOTAL 19</b></p>
<p><b>Semester III</b></p> <p><sup>3</sup>CHEM 2423 Organic Chemistry I 4</p> <p><sup>2</sup>EDUC 2301 Intro to Special Pops 3</p> <p>MATH 2413 Calculus I 4</p> <p>Humanities Elective 3</p> <p>[ENGL 2322, 2323, 2327 or 2328 or PHIL 1301 or 2303]</p> <p><sup>1</sup>Foreign Language III 3</p> <p style="text-align: right;"><b>TOTAL 17</b></p>	<p>CHEM 2370, 3210 Organic Chemistry I 4</p> <p>EDSE 4070 Teaching Diverse Populations 3</p> <p>MATH 1710 Calculus I 4</p> <p>Humanities 3</p> <p>[ENG 2322, 2323, 2327 or 2328 or PHIL 1050 or 2050]</p> <p>Foreign Language III 3</p> <p style="text-align: right;"><b>TOTAL 17</b></p>
<p><b>Semester IV</b></p> <p><sup>3</sup>CHEM 2425 Organic Chemistry II 4</p> <p>MATH 2414 Calculus II 4</p> <p>BIOL 1406 Cellular &amp; Molecular Biology 4</p> <p><sup>1</sup>Foreign Language IV 3</p> <p style="text-align: right;"><b>TOTAL 15</b></p>	<p>CHEM 2380, 3220 Organic Chemistry II 4</p> <p>MATH 1720 Calculus II 3</p> <p>BIOL 1710, 1730 Principles of Biology I w/ Lab 4</p> <p>Foreign Language IV 3</p> <p style="text-align: right;"><b>TOTAL 14</b></p>
<p><b>Total ACC credits 69</b></p> <p><b>NOTES:</b></p> <p><sup>1</sup> Only 4th semester required to meet proficiency requirement. CLEP or AP credit through year 2 will satisfy requirement. Any foreign language, including American Sign Language acceptable. Spanish is recommended. If the foreign language requirements is complete, take PHYS 1401 &amp; 1402, transferring as 1410/1430 and 1420/1440.</p> <p><sup>2</sup> Will not count for upper division credit at UNT.</p> <p><sup>3</sup> Lab will not count for upper division credit at UNT. Students should take CHEM 4700 after transfer</p>	<p><b>TOTAL UNT credits 67</b></p>

Transfer Plan for Prospective **Mathematics** High School  
Teachers to the University of North Texas

<b>Austin Community College</b>	<b>University of North Texas</b>
<p><b>Semester 1</b></p> <p>ENGL 1301 English Composition I      3</p> <p>BIOL 1406 Cell &amp; Molecular Biology      4</p> <p>MATH 2413 Calculus I      4</p> <p><sup>1</sup>Foreign Language I      5</p> <p><sup>2</sup>EDUC 1301 Intro the Teaching Profession      3</p> <p style="text-align: right;"><b>TOTAL</b>      <b>19</b></p>	<p style="text-align: right;"><b>credit hrs.</b></p> <p>ENGL 1310 College Writing I      3</p> <p>BIOL 1710/1730 Prin of Biol I w/Lab      4</p> <p>MATH 1710 Calculus I      4</p> <p><sup>1</sup>Foreign Language I      4</p> <p>EDSE 3800 Legal, Organiz &amp; Prof Issues      3</p> <p style="text-align: right;"><b>TOTAL</b>      <b>18</b></p>
<p><b>Semester II</b></p> <p>ENGL 1302 English Composition II      3</p> <p>BIOL 1407 Struc &amp; Func Organisms      4</p> <p>MATH 2414 Calculus II      4</p> <p>MATH 2372 Fun Model Sec Teaching      3</p> <p><sup>1</sup>Foreign Language II      5</p> <p style="text-align: right;"><b>TOTAL</b>      <b>19</b></p>	<p style="text-align: right;"><b>credit hrs.</b></p> <p>ENGL 1320 College Writing II      3</p> <p>BIOL 1720/1740 Prin of Bio II w/Lab      4</p> <p>MATH 1720 Calculus II      3</p> <p>Elective      3</p> <p>Foreign Language II      4</p> <p style="text-align: right;"><b>TOTAL</b>      <b>17</b></p>
<p><b>Semester III</b></p> <p><sup>2</sup>EDUC 2301 Intro to Special Populations      3</p> <p>MATH 2415 Calculus III      4</p> <p>Physical Science I      4</p> <p>[CHEM 1411 or PHYS 2425]</p> <p>GOVT 22306 TX State &amp; Local      3</p> <p>Government      3</p> <p><sup>1</sup>Foreign Language III      3</p> <p style="text-align: right;"><b>TOTAL</b>      <b>17</b></p>	<p>EDSE 4070 Teaching Diverse Populations      3</p> <p>MATH 2730 Multivariable Calculus      3</p> <p>Physical Science I      4</p> <p>[CHEM 1410/1430 or PHYS 1710/1730]</p> <p>PSCI 1040 American Government      3</p> <p>Foreign Language III      3</p> <p style="text-align: right;"><b>TOTAL</b>      <b>16</b></p>
<p><b>Semester IV</b></p> <p>Physical Science II      4</p> <p>[CHEM 1412 or PHYS 2426]</p> <p>MATH 2318 Linear Alg Matrix Theory      3</p> <p>Humanities Elective      3</p> <p>[ENGL 2322, 2323, 2327 or 2328 or PHIL 1301 or 2303]</p> <p>GOVT 2305 US Government      3</p> <p><sup>1</sup>Foreign Language IV      3</p> <p style="text-align: right;"><b>TOTAL</b>      <b>16</b></p>	<p>Physical Science II      4</p> <p>[CHEM 1420/1440 or PHYS 2220/2240]</p> <p>MATH 2700 Linear Alg Vector Geom      3</p> <p>Humanities elective      3</p> <p>[ENGL 2322, 2323, 2327, 2328, 2210, PHIL 1050, 2050]</p> <p>PSCI 1050 American Government      3</p> <p>Foreign Language IV      3</p> <p style="text-align: right;"><b>TOTAL</b>      <b>16</b></p>
<p><b>Total ACC credits</b>      <b>71</b></p>	<p><b>TOTAL UNT credits</b>      <b>67</b></p>
<p><b>NOTES:</b></p> <p><sup>1</sup> Only 4th semester required to meet proficiency requirement. CLEP or AP credit through year 2 will satisfy requirement. Any foreign language, including American Sign Language acceptable. Spanish is recommended. If the foreign language requirements is complete, take PHYS 1401 &amp; 1402, transferring as 1410/1430 and 1420/1440.</p> <p><sup>2</sup> Will not count for upper division credit at UNT.</p>	

#### **IV. Contact Persons**

The persons designated to answer questions regarding implementation of this agreement are:

Austin Community College  
Dr. Alice Sessions  
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#### **V. Length of Term and Amendments**

This agreement becomes effective upon authorizing signatures of both parties and expires on the third anniversary (3 years) of the effective date. The agreement may also be terminated by either party prior to its expiration date upon one semester's written notice by one party to the other. Extensions or amendments may be made at any time; and, such changes become effective upon signed written agreement of both parties.

#### **VI. Authorizing Signatures**

Agreed to the terms and conditions as specified above, effective this \_\_\_\_ day of \_\_\_\_ (month) \_\_\_\_ (year).

For Austin Community College

For University of North Texas

\_\_\_\_\_  
Dr. Stephen B. Kinslow, President

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Dr. Norval F. Pohl, President