



## Academic Articulation Software Engineering

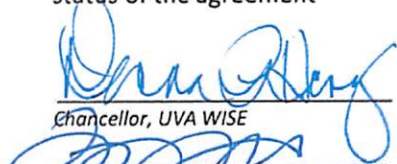



The University of Virginia's College at Wise (UVA WISE) and Mountain Empire Community College (MECC) are committed to providing quality education in far southwestern Virginia to fulfill the highest standards of excellence and service. UVA WISE and MECC are further committed to enhancing the availability and accessibility of quality education to all citizens of the region while providing academic opportunities to meet the economic and workforce development it needs. Therefore, UVA WISE and MECC enter into this agreement for the purposes of articulating policies and procedures governing the matriculation of MECC graduates at UVA WISE.

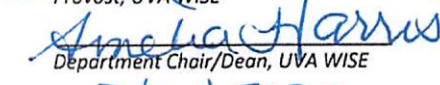
**This agreement will continue for a period of four years with annual reviews by each institution.** After the period of four years, either institution may request renegotiation of the terms or conditions set forth in this agreement. This agreement deals with those students pursuing an Associate of Arts and Sciences degree in General Studies with a specialization in Software Engineering or applicable coursework who wish to transfer to UVA WISE to pursue a Bachelor of Science degree in Software Engineering (see Appendix I). In addition, this agreement identifies MECC classes that are not part of its General Studies – Software Engineering program but will have transfer value towards certain UVA WISE classes (see Appendix II).

1. For MECC graduates who have been admitted to UVA WISE during the period of this agreement, UVA WISE agrees to:
  - a) Accept students who have completed an Associate of Arts and/or Science degree in General Studies with as specialization in software engineering from MECC as having junior status (64 hours) at UVA WISE for both academic and financial aid consideration.
  - b) Students enrolled in the Associate of Arts and Sciences degree in General Studies with a specialization in Software Engineering and have completed at least 15 semester hours and no more than 50 semester hours will be eligible for benefits of the Guaranteed Admission Program (GAP) as specified in the attached appendices. Students must complete a GAP agreement with signatures from the authorized MECC and UVA WISE representatives to access GAP benefits (see Appendix III). Students with more than 50 semester hours may be eligible for GAP consideration and will be reviewed on a case by case basis.
  - c) Graduates from this degree program will be considered to have met all lower division general education requirements at UVA WISE with the exception of six hours of foreign language (unless they have successfully completed an introductory sequence while enrolled at MECC). Students must complete six hours of foreign language either at MECC or at UVA WISE once admitted (see Appendix II & IV).
  - d) Accept program major course requirements at UVA WISE as enumerated in the attached appendices if applicable.
2. During the period of this agreement, MECC agrees to:
  - a) Designate a college official to execute the Guaranteed Admission Program Agreement for each student
  - b) Publicize the agreement among its students, faculty, administration, and community at large


- c) Make available to MECC students and prospective students a description of the recommended curricula for the UVA WISE software engineering major, through its recruitment, advisement, student information system, and graduate information systems
  - d) Review the performance of MECC graduates who matriculate to UVA WISE in the program covered by this articulation agreement, assessing the students' academic preparation and the success of the general education core courses
3. During the period of this agreement, both institutions agree to:
- a) Monitor the academic performance of students enrolling under this agreement, identify problems, and work cooperatively to adjust details of course sequence and content so that students can transfer without academic disruptions
  - b) Arrange articulation meetings to develop additional major course equivalencies between UVA WISE and MECC
  - c) Notify each other concerning any contemplated curricular changes which would affect the status of the agreement


  
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 Chancellor, UVA WISE


  
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 Provost, UVA WISE

  
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 Department Chair/Dean, UVA WISE

7/30/2020  
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 Date

  
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 Kristen Westover (Aug 5, 2020 07:56 EDT)  
 President, MECC

  
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 VP of Academic Affairs & Workforce Solutions, MECC

  
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 Thomas Clements (Aug 6, 2020 11:31 EDT)  
 Department Chair/Dean, MECC

Aug 5, 2020  
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 Date

Footnotes:

1. Students seeking admission to UVA WISE under the terms of this agreement must satisfy all admission requirements academic and otherwise, as set forth in the UVA WISE Catalog under any of the years in which this agreement is still binding.
2. The term "junior standing" refers to accumulated credit hours. MECC transfer students who follow the advice and counsel of their UVA WISE advisors, take prescribed courses and credit hours each semester, and who make satisfactory progress may reasonably expect to graduate after two years of full-time study at UVA WISE.
3. CSC 2300: Software Engineering is a project-based course

## Appendix I

<b>MECC SUGGESTED SCHEDULE OF COURSES: GENERAL STUDIES – SOFTWARE ENGINEERING</b>			
<b>SEMESTER 1 MECC</b>		<b>SEMESTER 2 MECC</b>	
	<b>HRS</b>		<b>HRS</b>
ENG 111 Composition I	3	ENG 112 Composition II	3
HIS 101 Western Civilization I	3	HIS 102 Western Civilization II	3
MTH 161 Pre-Calculus I	3	MTH 162 Pre-Calculus II	3
SS XXX (SOCIAL SCIENCE)	3	ITP 100 Software Design (CSC 1010)	3
Humanities XXX	3	MTH 155 Statistical Reasoning	3
SDV 100	1	PED XXX Physical Education Elective	1
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
<b>SEMESTER 3 MECC</b>		<b>SEMESTER 4 MECC</b>	
	<b>HRS</b>		<b>HRS</b>
PHY 201 General College Physics I (natural science/lab)	4	MTH 264 Calculus II (MTH 2050)	4
ENG XXX English Survey (# pending)	3	SDV 195 Transfer Education (Art, Theater, Humanities)	1
SS XXX (Social Science)	3	ITP 232 C++ Programming II (CSC 1180)*	3
ITP 132 C++ Programming I	3	PHY 202 General College Physics II (natural science/lab)	4
MTH 263 Calculus I (MTH 2040)	4	ENG 115 Technical Writing (COM 3450)	3
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>15</b>
<b>UVA WISE SUGGESTED SCHEDULE OF COURSES</b>			
<b>SEMESTER 5 UVA WISE</b>		<b>SEMESTER 6 UVA WISE</b>	
	<b>HRS</b>		<b>HRS</b>
CSC 2180 Data Structures*	4	CSC 3180 Introduction to Algorithms	3
CSC/SWE 2300 Software Engineering	3	CSC XXXX Approved Elective from Group	3
MTH 2180 Applied Probability and Statistics	3	CSC 3260 Introduction to Human-Computer Int	3
PHY 3010/3011 College Physics I (with lab)	5	CSC XXXX Approved Elective from Group	3
		MTH 3030 Intro to Linear Algebra w Applications	3
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>
<b>SEMESTER 7 UVA WISE</b>		<b>SEMESTER 8 UVA WISE</b>	
	<b>HRS</b>		<b>HRS</b>
SWE 3110 Software Requirements & Design*	3	SWE 3120 Software Testing*	3
SWE XXXX (3240 or 3420 or 4240)	3	CSC XXXX Approved Elective from Group	3
CSC 3710 Discrete Structures	3	SWE XXXX (3240 or 3420 or 4240)	3
SWE 1790 Engineering Leadership	3	SWE 4990 Capstone II	1
SWE 4890 Capstone I	1	Foreign Language Sequence II	3
Foreign Language Sequence I	3		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>13</b>
<b>TOTAL FOR DEGREE</b>			<b>123</b>

\* Grade C or better

Yellow highlights indicate course work that will transfer as equivalents or possible substitutions from MECC to UVA WISE.

## Appendix II

<i>MECC INDIVIDUAL COURSES TRANSFERRING UVA WISE</i>			
<i>MECC COURSE(S)</i>	<i>TOTAL HRS</i>	<i>UVA WISE COURSE(S)</i>	<i>TOTAL HRS</i>
<i>ITE 150 Desktop Database Software (3) &amp; ITP 225 Web Scripting Languages (3)</i>	<i>6</i>	<i>CSC 3400 Database Design and Applications</i>	<i>3</i>
<i>ITP 270 Programming for Cybersecurity</i>	<i>3</i>	<i>CSC 1010 Object Oriented Programming</i>	<i>3</i>
<i>ITN 171 Unix I</i>	<i>3</i>	<i>CSC 3250 Unix Systems</i>	<i>3</i>

## Appendix III

All students pursuing a baccalaureate degree will complete at least 53 semester hours of general education in the Liberal Arts Core, a broad distribution of courses selected according to a College-Wise formula, and the cultural activities requirement.

Guidelines for selecting courses that fulfill the various area requirements for the liberal arts core curriculum are as follows:

**English Composition: 6 credit hours required**

Composition classes are essential in order to help students develop the communication skills that are necessary throughout their college career and that are required throughout life. This requirement is met by ENG 1010-1020. A student may receive advanced standing credit in English composition by demonstrating sufficient proficiency on an appropriate examination and/or by successful completion of ENG 1030.

**Literature: 3 credit hours required**

Courses dealing with literature expose students to the ideas of other cultures and contribute to stronger analytical and communication skills.

**Mathematics: 6 credit hours required**

Mathematics contributes to the development of formal reasoning skills. Students may select any mathematics course numbered 1010 or higher except MTH 1011, MTH 2010, MTH 2020, and MTH 3050.

**Physical Education: 1 semester hour required**

A healthy mind resides in a healthy body. A one-credit-hour course must be selected from Physical Education Activity Courses (Basic Skills).

**Freshman Seminar: 1-2 credit hours required**

A Freshman Seminar experience is required of all first-time freshmen. Freshman seminar serves as an introduction to academic life, instruction about liberal arts core requirements, and the opportunity to develop skills that will serve the student academically.

**Foreign Language: 6 credit hours required**

Liberal education should be able to communicate and share ideas across languages. They also must gain some understanding of another culture originating outside the borders of our own country. Students must complete a 6-semester-hour introductory sequence in a foreign language.

**Western Heritage: 6 credit hours required**

This requirement explores the culture and tradition of the western world, of which the United States is a part. Six credit hours are to be taken from one of the approved sequences, or a student may take a first half of one sequence and a second half from another sequence.

**Natural Sciences: 8 credit hours required**

The knowledge gained from the study of a natural science will assist students in understanding a world growing daily more scientifically complex. Learning and understanding laboratory procedures helps to build deductive reasoning skills and provides a sound introduction to the scientific method. Two laboratory science courses must be selected.

**Arts: 3 credit hours required**

Understanding culture includes an exploration of the arts. Three credit hours are to be selected from art, dance, music and theatre.

**Humanities: 3 credit hours required**

Courses in the humanities focus on what makes human beings unique. Courses are to be selected from history, philosophy, religion, visual and performing arts or literature courses described in area II above; and French, German, and Spanish courses at the 2000 level or above.

**Social Science: 9 credit hours required**

The social sciences explore individuality and human behavior. No more than 3 credit hours may be taken in any one field, with courses to be selected from 1000- and 2000-level courses in economics, political science, psychology, sociology, anthropology, or GEO 2020.

**Cultural Activities Requirement**

Each student must attend four (4) cultural activities in the freshman year (coded GNE 1010) and four (4) cultural activities in the junior year (coded GNE 3010). Transfer students who first attend the College upon completion of their freshman year at another institution of higher education must complete the junior year requirement only.

## **Appendix IV**

**Students who choose to transfer under the specifications of this agreement will be participants in the Guaranteed Admissions Program.**

**Under the Guaranteed Admissions Program, students graduating with the Associate of Arts and Sciences degree in General Studies with a specialization in Software Engineering from MECC will receive the following benefits:**

- 1. Transfer to UVA WISE with junior status (at least 64 hours).**
- 2. Will be deemed to have met all the Liberal Arts Core requirements with the exception of the foreign language requirement (unless taken at MECC) and the four cultural activities requirement.**
- 3. Will not be required to pay the application fee for admission to UVA WISE.**
- 4. Priority consideration for all academic merit and need-based financial aid program assistance.**

## **Appendix V**

**Equivalency chart pertaining to all coursework agreed upon between UVA WISE and MECC for the Liberal Arts Core and the relevant math, computer science and software engineering coursework.**

**This will be attached prior to signing.**



## Academic Articulation Software Engineering



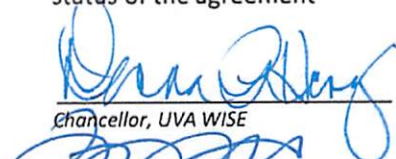
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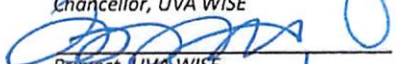
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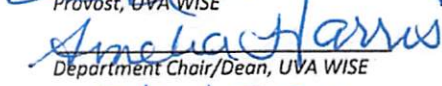
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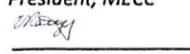
  
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 Provost, UVA WISE

  
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 Department Chair/Dean, UVA WISE

7/30/2020  
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 Date

  
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 Kristen Westover (Aug 9, 2020 07:36 EDT)  
 President, MECC

  
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 VP of Academic Affairs & Workforce Solutions, MECC

  
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 Thomas Clements (Aug 4, 2020 11:52 EDT)  
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SWE XXXX (3240 or 3420 or 4240)	3	CSC XXXX Approved Elective from Group	3
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## **Appendix V**

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