

**MEMORANDUM OF AGREEMENT**  
Between  
Somerset Community College  
for the  
Associate in Science Degree Focused in Pre-Engineering  
and  
The University of Kentucky College of Engineering  
for the  
Bachelor of Science in Biosystems, Chemical, Civil, Computer,  
Electrical, Materials, Mechanical, and Mining Engineering

**I. PURPOSE**

Somerset Community College (SCC) and the University of Kentucky (UK) College of Engineering are committed to providing educational options for students in the SCC service area who are interested in a career in engineering. SCC and the UK College of Engineering enter into this agreement for the purpose of articulating policies and procedures governing the matriculation of students who have successfully completed the pre-engineering curriculum at SCC culminating in an Associate in Science (AS) Degree Focused in Pre-Engineering.

**II. ACCREDITATION STATUS**

The University of Kentucky is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, master and doctorate degrees. All baccalaureate degrees in the UK College of Engineering are accredited by ABET, Inc. Both institutions will observe the Southern Association of Colleges and Schools and the Kentucky Council on Postsecondary Education guidelines and procedures, and will adhere to the requirements of reporting information to these and other accrediting agencies.

**III. ELEMENTS OF THE AGREEMENT**

**1. Admission Practices**

- 1.1 SCC students who earn an AS Degree Focused in Pre-Engineering with a 3.0 cumulative GPA are eligible to participate in this transfer agreement.
- 1.2 SCC students must apply to and be accepted by UK. Transfer students to UK

must have at least a 2.0 GPA<sup>1</sup>. Prospective transfer students are advised to prepare their applications well in advance of their desired start dates. Details and application materials are published on the UK and the UK College of Engineering websites.

## **2. Acceptance and Application of Credits**

For SCC students who meet the conditions stated above during the period of this agreement, the College of Engineering agrees to:

- 2.1 Award acceptance into the UK College of Engineering with junior standing from the standpoint of both academic and financial considerations.
- 2.2 Accept SCC general education requirements as meeting the general education requirements of the UK Core for all individual engineering majors.

## **3. Responsibility of the UK College of Engineering**

- 3.1 Encourage students in the SCC service area to complete an AS Degree Focused in Pre-Engineering at SCC.
- 3.2 The UK College of Engineering will provide SCC with information on the academic progress of students transferring under this agreement, subject to FERPA regulations. This information will be provided at the end of each academic year or when requested by SCC.
- 3.3 Consider all students participating in this agreement for all academic merit and need based financial aid program assistance, including the Engineering Transfer Scholarship and Trustees Scholarship Program.
- 3.4 Provide opportunity for placement in a co-op program at the UK College of Engineering.

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<sup>1</sup> Please note that grade-point averages are computed by the Office of Undergraduate Admission and University Registrar and reflect the grade and credit for each course attempted, regardless of the practice of the offering institution of waiving the low grade for a repeated course. Grade point averages (GPA's) from other institutions do not transfer to the University of Kentucky. When students begin at UK, a new GPA is established after the first semester of classes. However, all grades for all courses (at all institutions previously attended) are included in the calculation of GPA for consideration for admission and for determination of qualification for Engineering Standing within the student's chosen UK Engineering major. Students are advised to consult the most recent UK bulletin at <http://www.uky.edu/Registrar/Bulletin.htm> for full details about qualifications for Engineering Standing.

#### **4. Responsibility of SCC**

- 4.1 SCC will publicize the agreement among its students, faculty, administration, and throughout its seven-county service area. SCC will make a description of the recommended curricula for both SCC and the UK College of Engineering available to SCC students and prospective students within our seven county service area through recruitment, advisement, and publication in print and on appropriate web sites.
- 4.2 SCC will advise students to take courses specific to their engineering discipline of interest.
- 4.3 SCC will review the performance of its graduates who matriculate to the UK College of Engineering in the programs covered by this articulation agreement; assessing students' academic preparation, the quality of its general education core courses and, within the limits of the capabilities of SCC, making needed curricular changes as recommended by the UK College of Engineering.

#### **5. Joint Responsibility**

- 5.1 SCC and the UK College of Engineering agree that the UK College of Engineering administrator may periodically communicate with SCC students participating in the agreement for the purpose of announcing program notifications, upcoming deadlines, preliminary advising, etc. SCC agrees to facilitate this communication and reserves the right to evaluate the same for appropriateness for its students.
- 5.2 SCC and the UK College of Engineering will each designate a liaison.
- 5.3 SCC and the UK College of Engineering agree to arrange articulation meetings to discuss program requirements, course content, employment trends, accreditation guidelines, institutional/graduation requirements and/or other relevant factors affecting SCC students participating under this agreement.
- 5.4 SCC and the UK College of Engineering each agree to observe regional accreditation standards, rules and guidelines and will work cooperatively to comply with reporting requirements from various agencies.
- 5.5 SCC and the UK College of Engineering agree to monitor the academic performance of students enrolling under this agreement, identify problems and work cooperatively to adjust details of course sequence and content so those students can transfer without academic disruptions.

**Somerset Community College Associate in Science Degree Focused in Pre-Engineering  
To University of Kentucky Bachelor of Science Degree in Engineering**

**COURSE ARTICULATION MATRIX**

**Somerset Community College**

AS: Area of Focus – Pre-Engineering

**University of Kentucky**

BS: Engineering

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>HOURS</b>	<b>RECOMMENDED</b>	<b>COURSE TITLE</b>	<b>HOURS</b>
<b>General Education Core</b>					
<b>Communications</b>					
<i>Written Communications</i>					
ENG 101 AND	Writing I	3			
ENG 102	Writing II	3			
<i>Oral Communications</i>					
COM 181 OR	Basic Public Speaking	3			
COM 252	Intro to Interpersonal Communications				
<b>Arts and Humanities*</b>					
<i>Heritage</i>					
	One history course required.	3	HIS 108 or HIS 109		
<i>Humanities</i>					
	One course required.				
Examples:					
ART 104	Introduction to African Art				
ENG 264	Major Black Writers				
HUM 202	Survey of Appalachian Studies I	3			
HUM 203	Survey of Appalachian Studies II				
MUS 100	Introduction to Music				
MUS 104	Introduction to Jazz History				
The complete list is published in the KCTCS Catalog.					
<b>Quantitative Reasoning</b>					
MAT 175 AND	Calculus I	5			
MAT 185	Calculus II	5			
<b>UK Core</b>					
The UK Core includes Calculus I, General University Physics I and General University Physics Laboratory I					

**COURSE ARTICULATION MATRIX (page 2)**

University of Kentucky  
BS: Engineering

Somerset Community College  
AS: Area of Focus – Pre-Engineering

COURSE NUMBER	COURSE TITLE	HOURS	RECOMMENDED	COURSE TITLE	HOURS
<b>Natural Sciences</b>					
PHY 231 AND PHY 232	General University Physics I General University Physics II	4 4			
<b>Social and Behavioral Sciences*</b>					
Two courses in different disciplines required. Examples: ECO 201 Principles of Microeconomics COM 254 Introduction to Intercultural Communication PSY 110 General Psychology REL 130 Introduction to Comparative Religion SOC 101 Introduction to Sociology The complete list is published in the KCTCS Catalog.					
<b>Total General Education Core</b>				<b>Total UK Core</b>	<b>33</b>

\* One course taken in Arts and Humanities or Social and Behavioral Sciences must also be in the Cultural Studies course list which is published in the KCTCS Catalog.

<b>Courses Required for All Engineering Majors</b>			<b>Courses for Transfer Beyond the UK Core</b>		
MAT 275	Calculus III	4	Calculus II		4
MAT 285	Calculus IV	3	Calculus III		4
PHY 241	General University Physics I Laboratory	1	Calculus IV		3
PHY242	General University Physics II Laboratory	1	General University Physics II		4
CHE 170	General College Chemistry I	3	General University Physics II Laboratory		1
CHE 180	General College Chemistry II	3	General College Chemistry I		3
CIT 105 OR IC3 Exam	Introduction to Computers	3 0	General College Chemistry II		3
<b>Total Courses Required for All Engineering Majors</b>		<b>15 – 18</b>	Introduction to Computing I		3
			<b>Total Courses for Transfer Beyond the UK Core</b>		<b>22 – 25</b>

**COURSE ARTICULATION MATRIX (page 3)**

**Somerset Community College**

AS: Area of Focus – Pre-Engineering

**University of Kentucky**

BS: Engineering

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>HOURS</b>	<b>Majors</b>	<b>COURSE TITLE</b>	<b>HOURS</b>
<b>Other Courses Required for Specific Engineering Majors</b>					
BIO 150	Principles of Biology I	3	Biosystems	Principles of Biology I	3
BIO 152	Principles of Biology II	3	Biosystems	Principles of Biology II	3
CHE 175	General College Chemistry Laboratory I	1	Chemical & Materials	Laboratory to Accompany Gen. Chem. I	1
CHE 185	General College Chemistry Laboratory II	1	Chemical & Materials	Laboratory to Accompany Gen. Chem. II	2
CHE 270	Organic Chemistry I	3	Chemical	Organic Chemistry I	3
CHE 275	Organic Chemistry Laboratory I	2	Chemical	Organic Chemistry Laboratory I	2
CHE 280	Organic Chemistry II	3	Chemical	Organic Chemistry II	3
CS 115	Introduction to Computer Programming	3	Electrical & Computer	Introduction to Computer Programming	3
EM 221	Statics	3	Biosystems, Civil, Materials, Mechanical & Mining	Statics	3
STA 210	Statistics: A Force in Human Judgment	3	Civil & Materials	Intro to Statistical Reasoning	3
CAD 100	Introduction to Computer-Aided Design	3	Elective	General Credit at 100 Level	3
<b>Total Other Courses Required for Specific Engineering Majors</b>		<b>3 – 10</b>		<b>Total Other Courses for Transfer Beyond the UK Core</b>	<b>3 – 10</b>

**Total Hours for AS Degree**

**60 – 67**

**Total Hours for Transfer**

**58 – 65**

**6. Implementation of the Agreement**

6.1 This agreement will be considered in force when signed by both parties.

**7. Annual Evaluation**

7.1 The UK College of Engineering and SCC agree to monitor and support the provisions of this agreement to ensure consistency, program quality and transferability for the mutual benefit of all involved parties at both institutions.

7.2 Changes to the BS in Engineering requirements that affect this agreement will be communicated to the SCC liaison by the UK College of Engineering, and the conditions of this agreement will be reassessed.

7.3 This agreement will be reviewed by both institutions annually.

**8. Term and Modification**

8.1 This agreement will continue for a period of five years. The UK College of Engineering or SCC may elect to unilaterally terminate this agreement by written notice at least two years prior to the termination. Provisions will be made to allow students, who were enrolled under the terms of this agreement prior to the notice of termination, to complete the program.

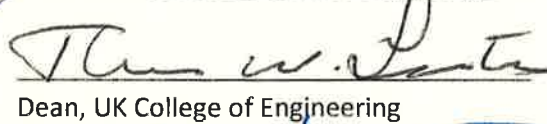
**IV. SIGNATURES**

  
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Chancellor, KCTCS

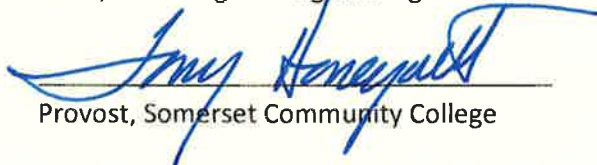
6/4/12  
Date

  
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President, Somerset Community College

5/9/12  
Date

  
\_\_\_\_\_  
Dean, UK College of Engineering

5/9/12  
Date

  
\_\_\_\_\_  
Provost, Somerset Community College

5.24.12  
Date