

PROGRAM ARTICULATION AGREEMENT

BETWEEN

WESTMINSTER COLLEGE  
FULTON, MO

AND

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE  
CARBONDALE, IL

This articulation agreement is designed to create and support a dual baccalaureate degree program option for qualified students, whereby students complete three years of full-time study at Westminster College with a cumulative GPA of 3.0 or higher, then two years at Southern Illinois University Carbondale. Upon completion of this five-year program and of the established program requirements outlined herein, as verified through transcripts, the student is awarded a B.S. degree in an Engineering major (Civil, Computer, Electrical, or Mechanical) from SIU Carbondale and a B.A. degree from Westminster College (Ex. Mathematical Science or Physics).

In an effort to provide a continued, articulated higher education baccalaureate degree program that will build on college and university learning experiences, and also eliminate duplication of instruction, this agreement is entered into this 27<sup>th</sup> day of November, 2017 (Effective Date) by and between Westminster College and the Board of Trustees of Southern Illinois University on behalf of Southern Illinois University Carbondale.

I. TERM AND TERMINATION

- A. Term. This Agreement shall commence as of the Effective Date (or if no Effective Date is indicated upon the date the Agreement is fully executed by the Parties) and shall remain in effect for a period of five (5) years thereafter. The Parties may renew or extend this Agreement only by written instrument signed by the authorized representatives of each Party.
- B. Termination. This Agreement may be terminated by either Party, with or without cause, upon 60 days advance written notice. The Parties agree that no additional students shall be accepted into the program after a Party's receipt of any written notice of termination. No qualified student then-enrolled in the program shall be deprived the opportunity to complete the program requirements solely due to termination.

## II. TRANSFER REQUIREMENTS

- A. A Westminster College student with a minimum of 90 semester hours transferable to SIU Carbondale and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale's Bachelor of Science (B.S.) degree in Engineering (ENGR) – *Civil (CE), Computer (CEGR), Electrical (EE), or Mechanical (ME)* in the College of Engineering based upon the Departments enrollment criteria and space availability.
- B. A Westminster College student following the degree plan attached to this agreement, will be considered for admission to SIU Carbondale's Engineering (ENGR) program if the following are met:
1. The student has earned a minimum of 90 semester hours transferable to SIU Carbondale and has completed all of Westminster's general education requirements prior to transfer
  2. The student has earned an overall grade point average (GPA) of 3.0 or above (4.0 scale) for his or her collegiate work as calculated by SIU Carbondale's grading regulations
  3. Confirmation by the SIU Carbondale College of Engineering that the student has satisfactorily completed the following courses in addition to the general education requirements at Westminster College:
    - CHM 114 & CHM 115, *General Chemistry I & Lab*
    - CHM 124 & CHM 125, *General Chemistry II & Lab*
      - Not required for Computer or Electrical Engineering
    - EGR/PHY 230, *Engineering Mechanics & Statics*
      - Not required for Computer or Electrical Engineering
    - MAT 124, *Calculus I*
    - MAT 214, *Calculus II*
    - MAT 224, *Calculus III*
    - MAT 312, *Differential Equations*
    - PHY 201, *Physics I*
    - PHY 212, *Physics II*
- C. Westminster College students transferring to the Engineering (ENGR) – *Civil (CE), Computer (CEGR), Electrical (EE), or Mechanical (ME)* baccalaureate degree program at SIU Carbondale who have not completed all of the above requirements at Westminster College will have their related coursework evaluated on a course-by-course basis by the appropriate SIU Carbondale department.

- D. Students will be required to complete a minimum of 42 senior institution hours at the 300-400 course level, with the last 30 such senior institution hours being at SIU Carbondale for residency purposes. Those students enrolled in an approved program delivered by SIU Carbondale Extended Campus will have completed the residency requirement for the University upon completion of all courses required by the program. All students will be required to complete at least 120 hours with an overall GPA and major GPA of 2.0 on a 4.0 scale to receive a Bachelor of Science degree in Engineering (ENGR) – *Civil (CE), Computer (CEGR), Electrical (EE), or Mechanical (ME)*. Coursework may include University Core Curriculum as well as Engineering (ENGR) – *Civil (CE), Computer (CEGR), Electrical (EE), or Mechanical (ME)* major courses.

III. SIU CARBONDALE DUTIES: SIU CARBONDALE SHALL BE RESPONSIBLE FOR THE FOLLOWING OBLIGATIONS AND CONDITIONS:

- A. Designate in writing a person or persons of contact between Westminster and SIU Carbondale on all matters relating to the SIU Carbondale courses.
- B. Delivery of courses and programs will be based on mutual agreement between the parties (as specified in the SIU Carbondale program) provided there is minimum class enrollment in each course adequate to meet expenses. Courses with inadequate enrollment may be subject to cancellation. SIU Carbondale shall notify Westminster College of any cancellation due to inadequate enrollment.
- C. Perform registration and advisement counseling as needed to support the courses offered. SIU Carbondale will designate an individual(s) as a concurrent enrollment liaison to work in conjunction with Westminster College and students as needed.
- D. Obtain all permission and approvals necessary to teach these courses in the State of Illinois.
- E. This agreement permits students to enroll concurrently at SIU Carbondale and Westminster College to complete the degrees.
- F. SIU Carbondale will handle all financial aid paperwork relating to the SIU Carbondale portion of this academic program.
- G. Provide academic credit for eligible courses (SIU credit courses) taken by Westminster students accepted into the program. Formal admission to SIU Carbondale and advisement is required prior to registration in SIU Carbondale courses. It shall be the student's responsibility to supply all documents, including transcripts, necessary for

admission and registration in SIU courses. SIU will notify Westminster of the student's acceptance into the program. Policies and procedures in the SIU Undergraduate Catalog (i.e. admission policy, grading policy, retention policy, withdrawal policy, course prerequisites, etc.) are in effect and shall apply to any and all students applying to, registering with, and accepted into the program.

- H. Since a minimum GPA of 3.00 or higher defines Westminster student participation in this program, accepted students will receive SIU standard domestic, in-state tuition rates. Also, accepted Westminster students will be awarded all applicable transfer student scholarship awards for which they are eligible at the time of acceptance. Note that awarding of such transfer scholarships begins November 1, of the student's third year at Westminster (or the year prior to transfer to SIU).
- I. Within the program requirements outlined in the attached degree plan, SIU Carbondale will consider Westminster students to have all but one course completed toward University Core Curriculum (UCC) requirements upon transfer under this agreement and indicate this status on the academic record upon receipt of all final documentation for admission.
- J. SIU Carbondale will reference the program, beginning in its 2018-2019 Undergraduate catalog and will provide an informational brochure to Westminster College for distribution and online dissemination.
- K. Create and maintain a Student Checklist (see Appendix B) for students to express their continued desire to participate in the Transfer Dual Degree Agreement.
- L. Reserves the right to approve and edit all news releases, advertising and other public announcements and information pieces relating to the performance of this agreement.
- M. Permit students to enroll concurrently at SIU Carbondale and Westminster College to complete a degree.
- N. SIU Carbondale will notify Westminster College upon any curricular changes that may affect the program or its participating students.

**IV. WESTMINSTER COLLEGE DUTIES: WESTMINSTER COLLEGE SHALL BE RESPONSIBLE FOR THE FOLLOWING OBLIGATIONS AND CONDITIONS:**

- A. Subject to federal and state guidelines, Westminster College will be considered the home institution for the purpose of processing Financial Aid until such time that the student transfers to SIU Carbondale.
- B. Designate in writing a person or persons as point of contact between Westminster College and SIU Carbondale on all matters relating to the courses delivered.
- C. Create and maintain an Opt-In form (see Appendix A) for students to express their desire to participate in the Transfer Dual Degree Agreement. Signed Opt-In forms should be sent to SIU Carbondale with initial transcripts.
- D. Reserve the right to approve and edit all news releases, advertising and other public announcements and information pieces relating to the performance of this Agreement.
- E. Permit students to enroll concurrently at SIU Carbondale and Westminster College to complete a degree.

#### V. PROGRAM ARTICULATION COMMUNICATION

- A. An SIU Carbondale College of Engineering, – *Civil (CE), Computer (CEGR), Electrical (EE), or Mechanical (ME)*, representative will communicate periodically with the Westminster College Dual Degree Engineering liaison for general advisement and degree planning purposes.
- B. It shall be the responsibility of each institution to exchange transcripts for degree posting purposes. A transcript from SIU Carbondale will be sent free of charge to Westminster College, no later than midterm of their final semester. Upon receipt, and after the current semester's graduation date, Westminster College will post the B.A. degree. Westminster College will facilitate sending an electronic transcript to SIU Carbondale indicating the posted B.A. Only after receipt of Westminster College transcript including posted B.A. degree, will SIU Carbondale post the B.S. degree.
- C. Upon successful completion of all degree requirements, and following all policies and regulations stated in the program and SIU Carbondale guidelines, Westminster College students will be eligible to receive the Bachelor of Science degree in Engineering (ENGR) – *Civil (CE), Computer (CEGR), Electrical (EE), or Mechanical (ME)*, College of Engineering, Southern Illinois University Carbondale.
- D. Should changes occur in course or program content, the institution making the change agrees to notify the other institution in writing so that this agreement can be re-evaluated. Notice of changes shall be given at least 45 days prior to the beginning of the semester when the change is implemented.

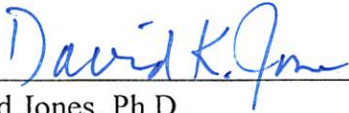
- E. The Parties acknowledge and agree that the terms of this Agreement will result in the disclosure of personally identifiable information from education records protected from disclosure and re-disclosure by the Family Educational Rights and Privacy Act of 1974 and its implementing regulations ("FERPA"). Accordingly the Parties agree that any exchange or disclosure between the Parties of personally identifiable information from education records shall be in accordance with FERPA.
- F. Indemnification:
1. To the extent permitted by law and not inconsistent with the doctrine of sovereign immunity, SIU Carbondale shall indemnify and hold harmless Westminster College, its agents and employees, from any claims, demands, or causes of action arising out of the negligent acts or omissions of SIU Carbondale, its agents or employees, in the performance of SIU Carbondale's obligations under this Agreement.
  2. To the extent permitted by law, Westminster College shall indemnify and hold harmless SIU Carbondale, its agents and employees, from any claims, demands, or causes of action arising out of negligent acts or omissions of the College, its agents or employees, in the performance of the College's obligations under this Agreement.
- G. Reasonable efforts will be made to resolve problems with student(s) through discussions with the student's program instructor, supervisor, and SIU Carbondale's faculty members; however SIU Carbondale reserves the right to remove any student from enrollment at SIU Carbondale upon SIU Carbondale's determination that the student is unable or unwilling to fulfill the requirements of SIU Carbondale's educational program and mission, including but not limited to the rules and regulations of Southern Illinois University Carbondale, the policies of the Board of Trustees of SIU Carbondale, and the SIU Carbondale Student Conduct Code. SIU Carbondale shall also have the right to withdraw any student from its education degree program in accordance with its academic requirements, including but not limited to unsatisfactory academic performance and/or social misconduct.
- H. Neither party will discriminate against any applicant or student in the nomination, selection, or training because of religion, race, sex, sexual orientation, creed, handicap, national origin, or age.
- I. Notices should be mailed to the following addresses by first class mail in order to fulfill any notice or revision of requirements under this Agreement.

For SIU Carbondale: C. Jenise Wilson,  
Chief Academic Advisor  
College of Engineering  
Southern Illinois University Carbondale  
Engineering D104  
Carbondale, IL 62901  
Email: JWilson@siu.edu  
Phone: 618-453-2261

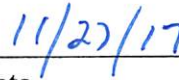
For Westminster College: Peng Yu,  
Assistant Professor of Mathematics  
Department of Mathematics  
Westminster College  
501 Westminster Ave.  
Fulton, MO 65251  
Email: peng.yu@westminster-mo.edu  
Phone: 573-592-5320

IN WITNESS WHEREOF, the parties have executed this Agreement by their duly authorized, respective officers, and by doing so, hereby affirm that the Agreement is enforceable on behalf of and against each party as of the date written herein.

BOARD OF TRUSTEES OF WESTMINSTER COLLEGE



\_\_\_\_\_  
David Jones, Ph.D.,  
Acting Senior Vice President and Dean of Faculty  
Westminster College

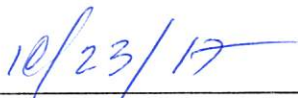


\_\_\_\_\_  
Date


BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY



\_\_\_\_\_  
Lizette Chevalier, Associate Provost  
for Academic Programs  
for Carlo Montemagno, Chancellor  
Southern Illinois University Carbondale



\_\_\_\_\_  
Date

SIU  
APPROVED  
AS TO  
LEGAL FORM  
  
11 Oct. 2017



WESTMINSTER  
COLLEGE

**OPT-IN FORM FOR  
DUAL DEGREE ENGINEERING PROGRAM  
WITH SIUC**

Student Name: \_\_\_\_\_

This opt-in form is designed for students participating in a Dual Degree Engineering Program at Westminster College and wishing to transfer to Southern Illinois University Carbondale (SIUC). The student and advisor will review the information below to ensure complete understanding of both parties regarding the specific processes.

**Information:**

- Financial aid eligibility expires after the student has attempted more than 180 credit hours. In some cases, students in the Dual Degree Engineering Program will need to take more than 180 credit hours to complete both degrees. If this is the case, the student understands his need to independently submit an appeal to the Financial Aid Office at SIUC.
- The student authorizes both SIUC and Westminster College to exchange official transcripts of the student's academic record back and forth as necessary for degree posting. A fee will be charged to the student for requesting electronic or paper transcripts from Westminster College.
- The student will need to pay an application fee to SIUC. However, SIUC will waive the transcript request fee for those transcripts being sent to Westminster College to complete the reverse transfer.
- If the student opts out of this agreement for any reason, the student is responsible for all transcript requests and payments.
- The student should apply for graduation from Westminster College during the early part of his final semester at SIUC. The student should also *electronically* request a final Westminster transcript (with 'degree conferred' on it) be sent to SIUC before graduation from SIUC.
- University Core Curriculum requirements at SIUC will be fulfilled upon receipt of the official transcript showing a posted Bachelor's degree from Westminster College.
- The student should *not* apply to graduate from Westminster College prior to transferring to SIUC.

**Checklist:**

- Review and sign this form, opting into the Dual Degree Engineering Program
- Request the Registrar's Office of Westminster College to send the official transcript to SIUC as the student applies to SIUC
- Request the Registrar's Office of SIUC to send transcript to Westminster College after grades are posted for the student's second to last semester at SIUC.
- Submit applications for graduation to both SIUC and Westminster College during the early part of the student's last semester at SIUC
- Request the Registrar's Office of Westminster College to send the final transcript indicating 'degree conferred' to SIUC before graduation from SIUC

Student Signature:

Date:



DAWG TAG #

Student Name: \_\_\_\_\_

Transfer Institution: \_\_\_\_\_

The following checklist is designed for those students participating in a Transfer Dual Degree Agreement (TDDA) with Southern Illinois University. Upon transfer into SIU, the student and advisor will review the below checklist to ensure complete understanding of both parties regarding the specific processes relating to the TDDA.

**Information:**

- Financial aid eligibility expires after the student has attempted more than 180 credit hours. In some cases, TDDA students will need to take more than 180 credit hours to complete both degrees. If this is the case, the student understands their need to independently submit an appeal to the Financial Aid Office at SIU.
- University Core Curriculum requirements will be fulfilled upon receipt of the official transcript showing a posted Bachelor's degree from the transfer institution.
- The student authorizes both SIU and the transfer institution to exchange official transcripts of the student's academic record back and forth as necessary for degree posting.
- SIU will waive the transcript request fee for those transcripts being sent to the previous institution to complete the reverse transfer.
- If the student opts out of this agreement for any reason, the student is responsible for all transcript requests and payments.

**Checklist:**

- Advisor:** Reviews transfer student for admission
  - Requests Undergraduate Admissions add TDDA attribute using Notes in Workflow
- Student:** Reviews and signs Checklist, opting into TDDA
- Student:** Review Long Term Plan with Academic Advisor
- Student:** Register for classes each semester
- Student:** Apply for Graduation
- Advisor:** Request Registrar's Office to send transcript to transfer institution
- Registrar's Office:** Send transcript to transfer institution
- Transfer Institution:** Posts Bachelor degree, sends official transcript to SIU
- Advisor:** Graduation Clearance
- Registrar's Office:** Posts Bachelor of Science in Engineering degree

Student Signature:

Date:

Advisor Signature:

Date:

PROGRAM ARTICULATION DEGREE PLAN					
Westminster College 2017-2018		Southern Illinois University Carbondale			
BA Mathematical Science - 122 hours		BS Civil Engineering (CE) - 127 hrs			
<b>New Foundations Requirements</b>		<b>Hrs</b>			<b>Hrs</b>
ENG 103	Academic Writing	3	UCOL 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			CMST 101	Intro to Oral Communication	NA
			MATH	(Satisfied by major courses)	NA
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics	T
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology	T
PHL 212	Intro to Ethics	3	PHIL 104	Ethics	T
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I	T
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab	T
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)	NA
MUS 205	Music in Western World	3	MUS 103	Music Understanding	T
			HUMAN HEALTH		NA
REL 102	World Religions	3	HIST 202	American Religious Diversity	T
		<b>25</b>			<b>0</b>
			<b>*A conferred BA Degree designates the student UCC Complete</b>		
PED A00	Physical Education Course	1			
WSM 101	Westminster Seminar	3			
LST 101	The Leader Within	1			
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3			
FLG 101	(See SIU Transfer Equivalency Guide)	4		Initial Semester of Foreign Language	T
FLG 102	(See SIU Transfer Equivalency Guide)	4		Second Semester of Foreign Language	T
HIS 106	Western Civilization II	3	HIST 101B	History of World Civilization II	T
CLA 215 (WI)	Mythology	3	CLAS 230	Classic Mythology	T
SCA 111	Intro to Sociology	3	SOC 108	Intro to Sociology	T
		<b>25</b>			
<b>Program Requirements</b>			<b>Program Requirements</b>		
MAT 215	Linear Algebra	3			
MAT 313	Mathematical Probability and Statistics	3			
MAT 331	Mathematics Seminar	3			
MAT 422	Modern Algebra	3			
MAT 424 (WI)	Advanced Calculus	3			
MAT Elective	(See SIU Transfer Equivalency Guide)	3			
CSC 104	Programming Logic and Design	3			
ULOD course	(See SIU Transfer Equivalency Guide)	3			
MAT 124	Calculus I	5	MATH 150	Calculus I	T
MAT 214	Calculus II	4	MATH 250	Calculus II	T
MAT 224	Calculus III	4	MATH 251	Calculus III	T
MAT 312 (MAT Elective)	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I	T
PHY 212	Physics II	4	PHYS 205/255B	University Physics/Lab	T
		<b>44</b>			
<b>Additional Requirements to Transfer</b>					
CHM 124 & CHM 125	General Chemistry II & General Chemistry II Lab	4	CHEM 210/211	General and Inorganic Chem and Lab	T
EGR/PHY 230	Engineering Mechanics & Statics	3	ENGR 250	Statics	T
PHY 201	Physics I	4	PHYS 205/255A	University Physics/Lab	T
		<b>11</b>			
			CE 251	Intro to Probability & Stats for Engineering	1
			CE 263	Basic Surveying	3
			CE 301	Intro to Resource Sustainability	2
			CE 310	Environmental Engineering	3
			CE 310L	Environmental Engineering Lab	1
			CE 320	Soil Mechanics	3
			CE 320L	Soil Mechanics Lab	1
			CE 330	Civil Engineering Materials	3
			CE 340	Structures	3
			CE 418	Water & Wastewater Treatment	3
			CE 421	Foundation Design	3
			CE 442	Structural Steel Design	3
			CE 444	Reinforced Concrete Design	3
			CE 474	Water Resources Engineering	3
			CE 495A	Civil Engineering Design	3
			CE 495B	Civil Engineering Design	3
			ENGR 261	Dynamics	3
			ENGR 351	Numerical Methods	3
			ENGR 350A	Mechanics of Materials	3
			ENGR 370A	Fluid Mechanics	3
			Approved Technical Electives	CE 331 and CE 400-level courses	12
					<b>65</b>
<b>Total semester hrs completed with BA degree:</b>		<b>105</b>	<b>Total semester hrs completed with BS degree:</b>		<b>65</b>
			<b>Total</b>		<b>170</b>

PROGRAM ARTICULATION DEGREE PLAN					
<b>Westminster College</b> 2017-2018				<b>Southern Illinois University Carbondale</b>	
BA Mathematical Science - 122 hours				BS Computer Engineering (CEGR) - 126 hrs	
<b>New Foundations Requirements</b>		<b>Hrs</b>			
ENG 103	Academic Writing	3	UCOL 101	Foundations of Inquiry	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			CMST 101	Intro to Oral Communication	NA
			MATH	(Satisfied by major courses)	NA
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics	T
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology	T
PHL 212	Intro to Ethics	3	PHIL 104	Ethics	T
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I	T
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab	T
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)	NA
MUS 205	Music in Western World	3	MUS 103	Music Understanding	T
			HUMAN HEALTH		NA
REL 102	World Religions	3	HIST 202	American Religious Diversity	T
		<b>25</b>			<b>0</b>
			<b>*A conferred BA Degree designates the student UCC Complete</b>		
PED A00	Physical Education Course	1			
WSM 101	Westminster Seminar	3	Any unarticulated course will be given general elective credit		
LST 101	The Leader Within	1			
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3			
FLG 101	(See SIU Transfer Equivalency Guide)	4		Initial Semester of Foreign Language	T
FLG 102	(See SIU Transfer Equivalency Guide)	4		Second Semester of Foreign Lanugage	T
HIS 106	Western Civilization II	3	HIST 101B	History of World Civilization II	T
CLA 215 (WI)	Mythology	3	CLAS 230	Classic Mythology	T
SCA 111	Intro to Sociology	3	SOC 108	Intro to Sociology	T
		<b>25</b>			
<b>Program Requirements</b>				<b>Program Requirements</b>	
MAT 215	Linear Algebra	3			
MAT 313	Mathematical Probability and Statistics	3			
MAT 331	Mathematics Seminar	3			
MAT 422	Modern Algebra	3			
MAT 424 (WI)	Advanced Calculus	3			
MAT Elective	(See SIU Transfer Equivalency Guide)	3			
CSC 104	Programming Logic and Design	3			
ULOD course	(See SIU Transfer Equivalency Guide)	3			
MAT 124	Calculus I	5	MATH 150	Calculus I	T
MAT 214	Calculus II	4	MATH 250	Calculus II	T
MAT 224	Calculus III	4	MATH 251	Calculus III	T
MAT 312 (MAT Elective)	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I	T
PHY 212	Physics II	4	PHYS 205/255B	University Physics/Lab	T
		<b>44</b>			
<b>Additional Requirements to Transfer</b>					
PHY 201	Physics I	4	PHYS 205/255A	University Physics/Lab	T
		<b>4</b>			
			ECE 222	Intro. To Digital Computation	3
			ECE 235	Electric Circuits	3
			ECE 235L	Electric Circuits Lab	1
			ECE 296	Software Tools for Engineers	2
			ECE 296L	Software Tools for Engineers Lab	2
			ECE 315	Math Methods in Engineering	4
			ECE 321	Intro Software Engineering	3
			ECE 321L	Intro Software Engineering Lab	1
			ECE 327	Digital Circuit Design	3
			ECE 327L	Digital Circuit Design Lab	1
			ECE 329	Computer Organization & Design	3
			ECE 329L	Computer Organization & Design Lab	1
			ECE 345	Electronics	4
			ECE 345L	Electronics Lab	1
			ECE 355	Signals and Systems	4
			ECE 495C	ECE Senior Design I	3
			ECE 495D	ECE Senior Design II	3
			ECE Electives	Select 20 hours from the following: ECE 422, 423, 424, 425, 427, 428, 429, 432 + two approved CS courses	20
			Technical Electives		
			Science Elective + Lab	Satisfied by CHEM 200/201	10
					<b>72</b>
<b>Total semester hrs completed with BA degree:</b>		<b>98</b>	<b>Total semester hrs completed with BS degree:</b>		<b>72</b>
			<b>Total</b>		<b>170</b>

PROGRAM ARTICULATION DEGREE PLAN					
Westminster College 2017-2018		Southern Illinois University Carbondale			
BA Mathematical Science - 122 hrs		BS Electrical Engineering (EE) - 126 hrs			
<b>New Foundations Requirements</b>		<b>Hrs</b>			<b>Hrs</b>
ENG 103	Academic Writing	3	UCOL 101	Foundations of Inquiry	NA
			ENGL 101	English Composition I	NA
			ENGL 102	English Composition II	T
			CMST 101	Intro to Oral Communication	NA
			MATH	(Satisfied by major courses)	NA
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics	T
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology	T
PHL 212	Intro to Ethics	3	PHIL 104	Ethics	T
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I	T
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab	T
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)	NA
MUS 205	Music in Western World	3	MUS 103	Music Understanding	T
			HUMAN HEALTH		NA
REL 102	World Religions	3	HIST 202	American Religious Diversity	T
		<b>25</b>			<b>0</b>
			<b>*A conferred BA Degree designates the student UCC Complete</b>		
PED A00	Physical Education Course	1			
WSM 101	Westminster Seminar	3			
LST 101	The Leader Within	1			
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3			
FLG 101	(See SIU Transfer Equivalency Guide)	4		Initial Semester of Foreign Language	T
FLG 102	(See SIU Transfer Equivalency Guide)	4		Second Semester of Foreign Lanuage	T
HIS 106	Western Civilization II	3	HIST 101B	History of World Civilization II	T
CLA 215 (WI)	Mythology	3	CLAS 230	Classic Mythology	T
SCA 111	Intro to Sociology	3	SOC 108	Into to Sociology	T
		<b>25</b>			
<b>Program Requirements</b>			<b>Program Requirements</b>		
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MAT 313	Mathematical Probability and Statistics	3			
MAT 331	Mathematics Seminar	3			
MAT 422	Modern Algebra	3			
MAT 424 (WI)	Advanced Calculus	3			
MAT Elective	(See SIU Transfer Equivalency Guide)	3			
CSC 104	Programming Logic and Design	3			
ULOD course	(See SIU Transfer Equivalency Guide)	3			
MAT 124	Calculus I	5	MATH 150	Calculus I	T
MAT 214	Calculus II	4	MATH 250	Calculus II	T
MAT 224	Calculus III	4	MATH 251	Calculus III	T
MAT 312 (MAT Elective)	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I	T
PHY 212	Physics II	4	PHYS 205/255B	University Physics/Lab	T
		<b>44</b>			
PHY 201	Physics I	4	PHYS 205/255A	University Physics/Lab	T
		<b>4</b>			
			ECE 222	Intro. To Digital Computation	3
			ECE 235	Electric Circuits	3
			ECE 235L	Electric Circuits Lab	1
			ECE 296	Software Tools for Engineers	2
			ECE 296L	Software Tools for Engineers Lab	2
			ECE 315	Math Methods in Engineering	4
			ECE 327	Digital Circuit Design	3
			ECE 327L	Digital Circuit Design Lab	1
			ECE 336	Electric Circuits II	3
			ECE 345	Electronics	4
			ECE 355	Signals & Systems	4
			ECE 356	Systems & Controls	3
			ECE 356L	Systems & Controls Lab	1
			ECE 375	Intro Electromagnetic Fields	3
			ECE 375L	Intro Electromagnetic Lab	1
			ECE 385	Electromech Energy Conversion	3
			ECE 385L	Electric Machines Lab	1
			ECE 495C	ECE Senior Design I	3
			ECE 495D	ECE Senior Design II	3
			ECE Technical Electives		22
			Science Elective + Lab	Satisfied by CHEM 200/201	
			<b>**Minimum of 42 hours at the 300/400 level required to satisfy senior institution hour requirement</b>		
<b>Total semester hrs completed with BA degree:</b>		<b>98</b>	<b>Total semester hrs completed with BS degree:</b>		<b>70</b>
			<b>Total</b>		<b>168</b>

PROGRAM ARTICULATION DEGREE PLAN								
Westminster College 2017-2018				Southern Illinois University Carbondale				
BA Mathematical Science - 122 hours				BS Mechanical Engineering (ME) - 124 hrs				
<b>New Foundations Requirements</b>		<b>Hrs</b>				<b>Hrs</b>		
ENG 103	Academic Writing	3	UCOL 101	Foundations of Inquiry		NA		
			ENGL 101	English Composition I		T		
			ENGL 102	English Composition II		NA		
			CMST 101	Intro to Oral Communication		NA		
			MATH	(Satisfied by major courses)		NA		
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics		T		
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology		T		
PHL 212	Introduction to Ethics	3	PHIL 104	Ethics		T		
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I		T		
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab		T		
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)		NA		
MUS 205	Music in Western World	3	MUS 103	Music Understanding		T		
			HUMAN HEALTH			NA		
REL 102	World Religions	3	HIST 202	American Religious Diversity		T		
		25				0		
			*A conferred BA Degree designates the student UCC Complete					
PED A00	Physical Education Course	1	Any unarticulated course will be given general elective credit					
WSM 101	Westminster Seminar	3						
LST 101	The Leader Within	1						
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3						
FLG 101	(See SIU Transfer Equivalency Guide)	4						Initial Semester of Foreign Language
FLG 102	(See SIU Transfer Equivalency Guide)	4		Second Semester of Foreign Lanugage		T		
HIS 106	Western Civilization II	3	HIST 101B	History of World Civilization II		T		
CLA 215 (WI)	Mythology	3	CLAS 230	Classic Mythology		T		
SCA 111	Intro to Sociology	3	SOC 108	Into to Sociology		T		
		25						
<b>Program Requirements</b>		<b>Program Requirements</b>						
MAT 215	Linear Algebra	3	Any unarticulated course will be given general elective credit					
MAT 313	Mathematical Probability and Statistics	3						
MAT 331	Mathematics Seminar	3						
MAT 422	Modern Algebra	3						
MAT 424 (WI)	Advanced Calculus	3						
MAT Elective	(See SIU Transfer Equivalency Guide)	3						
CSC 104	Programming Logic and Design	3						
ULOD course	(See SIU Transfer Equivalency Guide)	3						
MAT 124	Calculus I	5	MATH 150	Calculus I		T		
MAT 214	Calculus II	4	MATH 250	Calculus II		T		
MAT 224	Calculus III	4	MATH 251	Calculus III		T		
MAT 312 (MAT Elective)	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I		T		
PHY 212	Physics II	4	PHYS 205/255B	University Physics/Lab		T		
		44						
<b>Additional Requirements to Transfer</b>								
CHM 124 & CHM 125	General Chemistry II & General Chemistry II Lab	4	CHEM 210/211	General and Inorganic Chem and Lab		T		
EGR/PHY 230	Engineering Mechanics & Statics	3	ENGR 250	Statics		T		
PHY 201	Physics I	4	PHYS 205/255A	University Physics/Lab		T		
		11						
			ENGR 222 -or- ENGR 296	Comp. Methods for Engineers & Tech. -or- Software Tools for Engineers		2		
			ENGR 261	Dynamics		3		
			ENGR 335	Electric Circuits		3		
			ENGR 350A	Mechanics of Materials		3		
			ENGR 351	Numerical Methods		3		
			ENGR 370A	Fluid Mechanics		3		
			ME 102	Computer-Aided Eng. Drawing		2		
			ME 300	Engineering Thermodynamics		3		
			ME 302	Engineering Heat Transfer		3		
			ME 309	Mechanical Analysis & Design		3		
			ME 312	Materials Sci Fundamentals		3		
			ME 400	Engr Thermodynamics II		3		
			ME 401	Thermal Measurements Lab		1		
			ME 407	Measurements & Controls		2		
			ME 411	Mnfg Methods: Engr Matls		3		
			ME 436	Mech Engr Controls		3		
			ME 472	Materials Selection for Design		3		
			ME 475	Machine Design I		3		
			ME 495A	Mechanical Engr Design		3		
			ME 495B	Mechanical Engr Design		3		
			Technical Electives			9		
						64		
<b>Total semester hrs completed with BA degree:</b>		<b>105</b>	<b>Total semester hrs completed with BS degree:</b>			<b>64</b>		
			<b>Total</b>			<b>169</b>		

PROGRAM ARTICULATION DEGREE PLAN							
Westminster College 2017-2018		Southern Illinois University Carbondale					
BA Physics - 122 hours		BS Civil Engineering (CE) - 127 hrs					
<b>New Foundations Requirements</b>		<b>Hrs</b>		<b>Hrs</b>			
ENG 103	Academic Writing	3	UCOL 101	Saluki Success	NA		
			ENGL 101	English Composition I	T		
			ENGL 102	English Composition II	NA		
			CMST 101	Intro to Oral Communication	NA		
			MATH	(Satisfied by major courses)	NA		
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics	T		
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology	T		
PHL 212	Intro to Ethics	3	PHIL 104	Ethics	T		
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I	T		
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab	T		
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)	NA		
MUS 205	Music in Western World	3	MUS 103	Music Understanding	T		
			HUMAN HEALTH		NA		
REL 102	World Religions	3	HIST 202	American Religious Diversity	T		
		25			0		
			<b>*A conferred BA Degree designates the student UCC Complete</b>				
PED A00	Physical Education Course	1	<b>Any unarticulated course will be given general elective credit</b>				
WSM 101	Westminster Seminar	3					
LST 101	The Leader Within	1					
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3					
FLG 101	(See SIU Transfer Equivalency Guide)	4				Initial Semester of Foreign Language	T
FLG 102	(See SIU Transfer Equivalency Guide)	4				Second Semester of Foreign Lanugage	T
HIS 106	Western Civilization II	3	HIST 101B	History of World Civilization II	T		
CLA 215 (WI)	Mythology	3	CLAS 230	Classic Mythology	T		
SCA 111	Intro to Sociology	3	SOC 108	Intro to Sociology	T		
		25					
<b>Program Requirements</b>			<b>Program Requirements</b>				
PHY 223	Physics III	3	<b>Any unarticulated course will be given general elective credit</b>				
PHY 314 -or- CHM 424/425	Thermodynamics -or- Chemistry I	4					
PHY 315 -or- CHM 434/435	Modern Physics -or- Chemistry II	4					
PHY 415	Intro to Theoretical Physics I	4					
PHY 416	Intro to Theoretical Physics II	4					
MAT 215	Linear Algebra	3					
CSC 104	Programming Logic & Design	3					
ULOD Course	(See SIU Transfer Equivalency Guide)	3					
PHY 201	Physics I	4	PHYS 205/255A	University Physics/Lab	T		
PHY 212	Physics II	4	PHYS 205/255B	University Physics/Lab	T		
PHY 324 -or- PHY 325	Light -or- Electronics	4	PHYS 428 -or- Approved General Elective		T		
MAT 124	Calculus I	5	MATH 150	Calculus I	T		
MAT 214	Calculus II	4	MATH 250	Calculus II	T		
MAT 224	Calculus III	4	MATH 251	Calculus III	T		
MAT 312	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I	T		
CHM 124 & CHM 125	General Chemistry II & General Chemistry II Lab	4	CHEM 210/211	General and Inorganic Chem/Lab	T		
		60					
<b>Additional Requirements to Transfer</b>							
EGR/PHY 230	Engineering Mechanics & Statics	3	ENGR 250	Statics	T		
		3					
			CE 251	Intro to Probability & Stats for Engineering	1		
			CE 263	Basic Surveying	3		
			CE 301	Intro to Resource Sustainability	2		
			CE 310	Environmental Engineering	3		
			CE 310L	Environmental Engineering Lab	1		
			CE 320	Soil Mechanics	3		
			CE 320L	Soil Mechanics Lab	1		
			CE 330	Civil Engineering Materials	3		
			CE 340	Structures	3		
			CE 418	Water & Wastewater Treatment	3		
			CE 421	Foundation Design	3		
			CE 442	Structural Steel Design	3		
			CE 444	Reinforced Concrete Design	3		
			CE 474	Water Resources Engineering	3		
			CE 495A	Civil Engineering Design	3		
			CE 495B	Civil Engineering Design	3		
			ENGR 261	Dynamics	3		
			ENGR 351	Numerical Methods	3		
			ENGR 350A	Mechanics of Materials	3		
			ENGR 370A	Fluid Mechanics	3		
			Approved Technical Electives	CE 331 and CE 400-level courses	12		
					65		
<b>Total semester hrs completed with BA degree:</b>		<b>113</b>	<b>Total semester hrs completed with BS degree:</b>			<b>65</b>	
			<b>Total</b>			<b>178</b>	

PROGRAM ARTICULATION DEGREE PLAN					
Westminster College 2017-2018		Southern Illinois University Carbondale			
BA Physics - 122 hours		BS Computer Engineering (CEGR) - 126 hrs			
<b>New Foundations Requirements</b>		<b>Hrs</b>			<b>Hrs</b>
ENG 103	Academic Writing	3	UCOL 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			CMST 101	Intro to Oral Communication	NA
			MATH	(Satisfied by major courses)	NA
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics	T
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology	T
PHL 212	Intro to Ethics	3	PHIL 104	Ethics	T
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I	T
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab	T
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)	NA
MUS 205	Music in Western World	3	MUS 103	Music Understanding	T
			HUMAN HEALTH		NA
REL 102	World Religions	3	HIST 202	American Religious Diversity	T
		<b>25</b>			<b>0</b>
			<b>*A conferred BA Degree designates the student UCC Complete</b>		
PED A00	Physical Education Course	1			
WSM 101	Westminster Seminar	3			
LST 101	The Leader Within	1			
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3			
FLG 101	(See SIU Transfer Equivalency Guide)	4		Initial Semester of Foreign Language	T
FLG 102	(See SIU Transfer Equivalency Guide)	4		Second Semester of Foreign Lanugage	T
HIS 106	Western Civilization II	3	HIST 101B	History of World Civilization II	T
CLA 215 (W)	Mythology	3	CLAS 230	Classic Mythology	T
SCA 111	Intro to Sociology	3	SOC 108	Intro to Sociology	T
		<b>25</b>			
<b>Program Requirements</b>			<b>Program Requirements</b>		
PHY 223	Physics III	3			
PHY 314 -or- CHM 424/425	Thermodynamics -or- Chemistry I	4			
PHY 315 -or- CHM 434/435	Modern Physics -or- Chemistry II	4			
PHY 415	Intro to Theoretical Physics I	4			
PHY 416	Intro to Theoretical Physics II	4			
MAT 215	Linear Algebra	3			
CSC 104	Programming Logic & Design	3			
ULOD Course	(See SIU Transfer Equivalency Guide)	3			
PHY 201	Physics I	4	PHYS 205/255A	University Physics/Lab	T
PHY 212	Physics II	4	PHYS 205/255B	University Physics/Lab	T
PHY 324 -or- PHY 325	Light -or- Electronics	4	PHYS 428 -or- Approved General Elective		T
MAT 124	Calculus I	5	MATH 150	Calculus I	T
MAT 214	Calculus II	4	MATH 250	Calculus II	T
MAT 224	Calculus III	4	MATH 251	Calculus III	T
MAT 312	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I	T
CHM 124 & CHM 125	General Chemistry II & General Chemistry II Lab	4	CHEM 210/211	General and Inorganic Chem/Lab	T
		<b>60</b>			
			ECE 222	Intro. To Digital Computation	3
			ECE 235	Electric Circuits	3
			ECE 235L	Electric Circuits Lab	1
			ECE 296	Software Tools for Engineers	2
			ECE 296L	Software Tools for Engineers Lab	2
			ECE 315	Math Methods in Engineering	4
			ECE 321	Intro Software Engineering	3
			ECE 321L	Intro Software Engineering Lab	1
			ECE 327	Digital Circuit Design	3
			ECE 327L	Digital Circuit Design Lab	1
			ECE 329	Computer Organization & Design	3
			ECE 329L	Computer Organization & Design Lab	1
			ECE 345	Electronics	4
			ECE 345L	Electronics Lab	1
			ECE 355	Signals and Systems	4
			ECE 495C	ECE Senior Design I	3
			ECE 495D	ECE Senior Design II	3
			ECE Electives	Select 20 hours from the following: ECE 422, 423, 424, 425, 427, 428, 429, 432 + two approved CS courses	20
			Technical Electives		10
			Science Elective + Lab	Satisfied by CHEM 200/201	
					<b>72</b>
<b>Total semester hrs completed with BA degree:</b>		<b>110</b>	<b>Total semester hrs completed with BS degree:</b>		<b>72</b>
			<b>Total</b>		<b>182</b>

PROGRAM ARTICULATION DEGREE PLAN					
Westminster College 2017-2018		Southern Illinois University Carbondale			
BA Physics - 122 hrs		BS Electrical Engineering (EE) - 126 hrs			
<b>New Foundations Requirements</b>		<b>Hrs</b>			<b>Hrs</b>
ENG 103	Academic Writing	3	UCOL 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			CMST 101	Intro to Oral Communication	NA
			MATH	(Satisfied by major courses)	NA
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics	T
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology	T
PHL 212	Intro to Ethics	3	PHIL 104	Ethics	T
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I	T
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab	T
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)	NA
MUS 205	Music in Western World	3	MUS 103	Music Understanding	T
			HUMAN HEALTH		NA
REL 102	World Religions	3	HIST 202	American Religious Diversity	T
		<b>25</b>			<b>0</b>
<b>*A conferred BA Degree designates the student UCC Complete</b>					
PED A00	Physical Education Course	1			
WSM 101	Westminster Seminar	3	<b>Any unarticulated course will be given general elective credit</b>		
LST 101	The Leader Within	1			
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3			
FLG 101	(See SIU Transfer Equivalency Guide)	4		Initial Semester of Foreign Language	T
FLG 102	(See SIU Transfer Equivalency Guide)	4		Second Semester of Foreign Language	T
HIS 106	Western Civilization II	3	HIST 101B	History of World Civilization II	T
CLA 215 (W/)	Mythology	3	CLAS 230	Classic Mythology	T
SCA 111	Intro to Sociology	3	SOC 108	Intro to Sociology	T
		<b>25</b>			
<b>Program Requirements</b>			<b>Program Requirements</b>		
PHY 223	Physics III	3			
PHY 314 -or- CHM 424/425	Thermodynamics -or- Chemistry I	4	<b>Any unarticulated course will be given general elective credit</b>		
PHY 315 -or- CHM 434/435	Modern Physics -or- Chemistry II	4			
PHY 415	Intro to Theoretical Physics I	4			
PHY 416	Intro to Theoretical Physics II	4			
MAT 215	Linear Algebra	3			
CSC 104	Programming Logic & Design	3			
ULOD Course	(See SIU Transfer Equivalency Guide)	3			
PHY 201	Physics I	4	PHYS 205/255A	University Physics/Lab	T
PHY 212	Physics II	4	PHYS 205/255B	University Physics/Lab	T
PHY 324 -or- PHY 325	Light -or- Electronics	4	PHYS 428 -or- Approved	General Elective	T
MAT 124	Calculus I	5	MATH 150	Calculus I	T
MAT 214	Calculus II	4	MATH 250	Calculus II	T
MAT 224	Calculus III	4	MATH 251	Calculus III	T
MAT 312	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I	T
CHM 124 & CHM 125	General Chemistry II & General Chemistry II Lab	4	CHEM 210/211	General and Inorganic Chem/Lab	T
		<b>60</b>			
			ECE 235	Electric Circuits	3
			ECE 235L	Electric Circuits Lab	1
			ECE 296	Software Tools for Engineers	2
			ECE 296L	Software Tools for Engineers Lab	2
			ECE 315	Math Methods in Engineering	4
			ECE 327	Digital Circuit Design	3
			ECE 327L	Digital Circuit Design Lab	1
			ECE 336	Electric Circuits II	3
			ECE 345	Electronics	4
			ECE 355	Signals & Systems	4
			ECE 356	Systems & Controls	3
			ECE 356L	Systems & Controls Lab	1
			ECE 375	Intro Electromagnetic Fields	3
			ECE 375L	Intro Electromagnetic Lab	1
			ECE 385	Electromech Energy Conversion	3
			ECE 385L	Electric Machines Lab	1
			ECE 495C	ECE Senior Design I	3
			ECE 495D	ECE Senior Design II	3
			ECE Technical Electives		22
			Science Elective + Lab	Satisfied by CHEM 200/201	
			<b>**Minimum of 42 hours at the 300/400 level required to satisfy senior institution hour requirement</b>		
					<b>67</b>
<b>Total semester hrs completed with BA degree:</b>		<b>110</b>	<b>Total semester hrs completed with BS degree:</b>		<b>67</b>
			<b>Total</b>		<b>177</b>



PROGRAM ARTICULATION DEGREE PLAN										
Westminster College 2017-2018				Southern Illinois University Carbondale						
BA Physics - 122 hours				BS Mechanical Engineering (ME) - 124 hrs						
<b>New Foundations Requirements</b>		<b>Hrs</b>				<b>Hrs</b>				
ENG 103	Academic Writing	3	UCOL 101	Saluki Success			NA			
			ENGL 101	English Composition I			T			
			ENGL 102	English Composition II			NA			
			CMST 101	Intro to Oral Communication			NA			
			MATH	(Satisfied by major courses)			NA			
ECN 212	Principles of Microeconomics	3	ECON 240	Intro to Microeconomics			T			
PSY 113	Psychology as Social Science	3	PSYC 102	Intro to Psychology			T			
PHL 212	Intro to Ethics	3	PHIL 104	Ethics			T			
HIS 105	Western Civilization I	3	HIST 101A	History of World Civilization I			T			
CHM 114 & CHM 115	General Chemistry I & General Chemistry I Lab	4	CHEM 200/201	Intro to Chemical Principles/Lab			T			
			LIFE SCIENCE, GRP II	(Student takes 2 Physical SC)			NA			
MUS 205	Music in Western World	3	MUS 103	Music Understanding			T			
			HUMAN HEALTH				NA			
REL 102	World Religions	3	HIST 202	American Religious Diversity			T			
		25					0			
				*A conferred BA Degree designates the student UCC Complete						
PED A00	Physical Education Course	1	Any unarticulated course will be given general elective credit							
WSM 101	Westminster Seminar	3								
LST 101	The Leader Within	1								
Tier III GenEd Course	(See SIU Transfer Equivalency Guide)	3								
FLG 101	(See SIU Transfer Equivalency Guide)	4						Initial Semester of Foreign Language	T	
FLG 102	(See SIU Transfer Equivalency Guide)	4						Second Semester of Foreign Lanugage	T	
HIS 106	Western Civilization II	3						HIST 101B	History of World Civilization II	T
CLA 215 (WI)	Mythology	3						CLAS 230	Classic Mythology	T
SCA 111	Intro to Sociology	3						SOC 108	Intro to Sociology	T
		25								
<b>Program Requirements</b>		<b>Program Requirements</b>								
PHY 223	Physics III	3	Any unarticulated course will be given general elective credit							
PHY 314 -or- CHM 424/425	Thermodynamics -or- Chemistry I	4								
PHY 315 -or- CHM 434/435	Modern Physics -or- Chemistry II	4								
PHY 415	Intro to Theoretical Physics I	4								
PHY 416	Intro to Theoretical Physics II	4								
MAT 215	Linear Algebra	3								
CSC 104	Programming Logic & Design	3								
ULOD Course	(See SIU Transfer Equivalency Guide)	3								
PHY 201	Physics I	4						PHYS 205/255A	University Physics/Lab	T
PHY 212	Physics II	4						PHYS 205/255B	University Physics/Lab	T
PHY 324 -or- PHY 325	Light -or- Electronics	4	PHYS 428 -or- Approved General Elective		T					
MAT 124	Calculus I	5	MATH 150	Calculus I	T					
MAT 214	Calculus II	4	MATH 250	Calculus II	T					
MAT 224	Calculus III	4	MATH 251	Calculus III	T					
MAT 312	Differential Equations	3	MATH 305	Intro to Ord Diff Equations I	T					
CHM 124 & CHM 125	General Chemistry II & General Chemistry II Lab	4	CHEM 210/211	General and Inorganic Chem/Lab	T					
		60								
<b>Additional Requirements to Transfer</b>										
EGR/PHY 230	Engineering Mechanics & Statics	3	ENGR 250	Statics			T			
		3								
			ENGR 222 -or- ENGR 296	Comp. Methods for Engineers & Tech. -or- Software Tools for Engineers			2			
			ENGR 261	Dynamics			3			
			ENGR 335	Electric Circuits			3			
			ENGR 350A	Mechanics of Materials			3			
			ENGR 351	Numerical Methods			3			
			ENGR 370A	Fluid Mechanics			3			
			ME 102	Computer-Aided Eng. Drawing			2			
			ME 300	Engineering Thermodynamics			3			
			ME 302	Engineering Heat Transfer			3			
			ME 309	Mechanical Analysis & Design			3			
			ME 312	Materials Sci Fundamentals			3			
			ME 400	Engr Thermodynamics II			3			
			ME 401	Thermal Measurements Lab			1			
			ME 407	Measurements & Controls			2			
			ME 411	Mnfg Methods: Engr Matls			3			
			ME 436	Mech Engr Controls			3			
			ME 472	Materials Selection for Design			3			
			ME 475	Machine Design I			3			
			ME 495A	Mechanical Engr Design			3			
			ME 495B	Mechanical Engr Design			3			
			Technical Electives				9			
							64			
<b>Total semester hrs completed with BA degree:</b>		<b>113</b>	<b>Total semester hrs completed with BS degree:</b>				<b>64</b>			
			<b>Total</b>				<b>177</b>			