

**PROGRAM ARTICULATION AGREEMENT**

**BETWEEN**

**COLLEGE OF LAKE COUNTY  
GRAYSLAKE, IL**

**AND**

**SOUTHERN ILLINOIS UNIVERSITY CARBONDALE  
CARBONDALE, IL**

In an effort to provide a continued, articulated higher education baccalaureate degree program that will build on community college and university learning experiences, and also eliminate duplication of instruction, this agreement is entered into this 1<sup>st</sup> day of July, 2018 (Effective Date) by and between College of Lake County 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.** All graduates of College of Lake County with an Associate in Applied Science (A.A.S.) degree in Computerized Numerical Control Programming and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale's Bachelor of Science (B.S.) degree in Industrial Management and Applied Engineering (IMAE) in the College of Engineering based upon the Department's enrollment criteria and space availability.

B. A College of Lake County graduate receiving an A.A.S. degree in Computerized Numerical Control Programming will be considered for admission to SIU Carbondale's Industrial Management and Applied Engineering (IMAE) program if the following are met:

1. The student has earned a minimum of 64 semester hours transferable to SIU Carbondale
2. The student has earned an overall grade point average (GPA) of 2.0 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 as part of the A.A.S. degree in Computerized Numerical Control Programming at College of Lake County:

- CAD 117-3, *Introduction to AutoCad*
- CAD 170-3, *Intro to SolidWorks* -or- CAD 171-3, *Intro to Inventor* -or- CAD 176-3, *Intro to Creo*
- CNC 110-3, *CNC Operations I*
- CNC 111-1, *Geometric Dimensioning & Tolerancing*
- CNC 115-3, *CNC Programming I*
- CNC 215-3, *Advanced Mill Programming*
- CNC 216-3, *Advanced Lathe Programming*
- CNC 217-3, *Intro to Wire EDM Machining* -or- EWE 220-4, *Cooperative Work Experience*
- CNC 218-3, *Introduction to Master CAM*
- CNC 250-3, *Advanced Manufacturing*
- CMM 121-3, *Fundamentals of Speech*
- ECO 110-3, *Economics for Business and Industry*
- EGR 121-3, *Engineering Graphics*
- ENG 121-3, *English Composition I*
- MTH 115-3, *Applied Mathematics II*
- MTH 117-3, *Technical Math I*
- MTT 111-3, *Machine Shop I* -or- MTT 112-3, -or- *Machining Principles*
- MTT 211-3, *Jig and Fixture Design*
- IAI HUMANITIES or FINE ARTS - 3 hours
- IAI SOCIAL SCIENCE - 3 hours
- TECHNICAL ELECTIVES - 6 hours

- C. Acceptance into the Capstone Option reduces the University Core Curriculum for the A.A.S. degree recipient in Computerized Numerical Control Programming at College of Lake County pursuing the B.S. in Industrial Management and Applied Engineering (IMAE) at SIU Carbondale to 30 semester hours. This, along with taking the courses listed above as part of the A.A.S. degree makes it possible for the student to complete the B.S. in Industrial Management and Applied Engineering (IMAE) at SIU Carbondale in approximately 68 additional semester hours beyond the A.A.S. degree.
- D. College of Lake County students transferring to the Industrial Management and Applied Engineering (IMAE) baccalaureate degree program at SIU Carbondale who have not completed all of his or her Associate in Applied Science degree requirements at College of Lake County will have their related coursework evaluated on a course-by-course basis by the appropriate SIU Carbondale department. These students will also not be eligible to receive the Capstone Option benefits and will be considered based upon the Department's enrollment criteria and space availability.
- E. 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 of 2.0 on a 4.0 scale to receive a Bachelor of Science degree in Industrial Management and Applied Engineering (IMAE). Coursework may include University Core Curriculum as well as Industrial Management and Applied Engineering major courses.

### III. COURSE DELIVERY

- A. Delivery of courses and programs will be based on mutual agreement between the parties (as specified in the SIU Carbondale program) provided there is a minimum class enrollment in each course adequate to meet expenses. Courses with inadequate enrollment may be subject to cancellation. SIU Carbondale shall notify College of Lake County of any cancellation due to inadequate enrollment.
- B. SIU Carbondale will 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 College of Lake

County and students as needed. Advisement about program requirements will be provided by the academic college offering the courses/programs.

- C. SIU Carbondale will obtain all permission and approvals necessary to teach these courses in the State of Illinois.
- D. SIU Carbondale 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.
- E. This agreement permits students to enroll concurrently at SIU Carbondale and College of Lake County to complete the degree.

**IV. COLLEGE OF LAKE COUNTY DUTIES: COLLEGE OF LAKE COUNTY SHALL BE RESPONSIBLE FOR THE FOLLOWING OBLIGATIONS AND CONDITIONS:**

- A. Subject to federal and state guidelines, College of Lake County will be considered the home institution for the purpose of processing Financial Aid until such time that the student either graduates or severs ties with College of Lake County.
- B. Designate in writing a person or persons as point of contact between College of Lake County and SIU Carbondale on all matters relating to the courses delivered.
- C. 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.
- D. Permit students to enroll concurrently at SIU Carbondale and College of Lake County to complete a degree.

**V. PROGRAM ARTICULATION COMMUNICATION**

- A. An SIU Carbondale College of Engineering, Industrial Management and Applied Engineering representative will communicate periodically with College of Lake County personnel in Computerized Numerical Control Programming for general advisement and degree planning purposes.
- B. Upon successful completion of all degree requirements, and following all policies and regulations stated in the program and SIU Carbondale guidelines, College of

Lake County students will be eligible to receive the Bachelor of Science degree in Industrial Management and Applied Engineering (IMAE), College of Engineering, Southern Illinois University Carbondale.

- C. 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.
- D. The parties acknowledge that many student educational records are protected by the Family Education Rights and Privacy Act (FERPA) and that the written authorization of student(s) must be obtained before student data can be released to anyone. The parties agree that access to and release of student records shall be in accordance with FERPA.
- E. Indemnification:
  - 1. To the extent permitted by law and not inconsistent with the doctrine of sovereign immunity, SIU Carbondale shall indemnify and hold harmless College of Lake County, 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, College of Lake County 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.
- F. 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 the 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.

- G. 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.
- H. 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: Dr. Julie Dunston, Chair & Associate Professor  
Department of Technology  
Director, Technology Off Campus Degree Program  
SIUC, Engineering D105, Mailcode 6603  
Carbondale, IL 62901-6603  
Email: [dunston@siu.edu](mailto:dunston@siu.edu)  
Phone: 618-536-3396

For College of Lake County: Cindy Sullivan, Transfer Information Coordinator  
College of Lake County  
19351 West Washington St.  
Grayslake, IL 60030  
Phone: 847-543-2351  
Email: [csullivan@clcillinois.edu](mailto:csullivan@clcillinois.edu)


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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.

COLLEGE OF LAKE COUNTY


  
\_\_\_\_\_  
Karen Hlavin, Vice President of Student Development  
College of Lake County

\_\_\_\_\_  
Date 8/1/18

  
\_\_\_\_\_  
Christian Roldan-Johnson, Associate Dean of Engineering,  
Math and Physical Sciences Division  
College of Lake County

\_\_\_\_\_  
Date 7/25/2018

BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY

By   
\_\_\_\_\_  
Dr. Meera Komarraju, ~~Interim~~ Provost and Vice Chancellor  
for Academic Affairs  
for Carlo Montemagno, Chancellor  
Southern Illinois University Carbondale

\_\_\_\_\_  
Date 7/6/18

SW  
APPROVED  
AS TO  
LEGAL FORM  
  
\_\_\_\_\_  
29 June 2018

PROGRAM ARTICULATION DEGREE PLAN			Southern Illinois University Carbondale		
College of Lake County 2018-2019			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
AAS Computerized Numerical Control Programming - 64-65 hrs			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs		Hrs	
			UNIV 101	Saluki Success	NA
CMM 111	Communication Skills	3	CMST 101	Intro to Oral Communication	T
ENG 121	English Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			MATH 108 (Required for BS degree)	College Algebra	3
ECO 110	Economics for Business and Industry	3	ECON 113	Economics of Contemporary Social Issues	T
IAI SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE		T
IAI HUMANITIES or FINE ARTS	(See SIUC Equivalency Guide)	3	HUMANITIES		T
			HUMANITIES		NA
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		15			16
<b>Program Requirements</b>			<b>Program Requirements</b>		
CAD 117	Introduction to AutoCad	3	The AAS degree in Computerized Numerical Control Programming as articulated fulfills the 22 hrs of technical elective requirements for the BS degree in Industrial Management & Applied Engineering.		
CAD 170 -or- CAD 171 -or- CAD 176	Intro to SolidWorks -or- Intro to Inventor -or- Intro to Creo	3			
CNC 110	CNC Operations I	3			
CNC 111	Geometric Dimensioning & Tolerancing	1			
CNC 115	CNC Programming I	3			
CNC 215	Advanced Mill Programming	3			
CNC 216	Advanced Lathe Programming	3			
CNC 217 -or- EWE 220	Intro to Wire EDM Machining -or- Cooperative Work Experience	3.4			
CNC 218	Introduction to Master CAM	3			
CNC 250	Advanced Manufacturing	3			
EGR 121	Engineering Graphics	3			
MTH 115	Applied Mathematics II	3			
MTH 117	Technical Math I	3			
MTT 111 -or- MTT 112	Machine Shop I -or- Machining Principles	3	IMAE 209	Manufacturing Process Laboratory	T
MTT 211	Jig and Fixture Design	3			
TECHNICAL ELECTIVES	Choose from approved courses	6			
		49-50			
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			PHYS 203B/253B	College Physics/Lab	4
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calculus for Technology	3
			IMAE 340 -or- PSYC 323*	Introduction to Supervision -or- Organizational Psychology	3
			IMAE 376	Supply Chain Operations & Logistics	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer-Aided Manufacturing	3
			IMAE 450	Project Management	3
			IMAE 465	Lean Manufacturing	3
			IMAE 470A	Six Sigma Green Belt I	3
			IMAE 470B	Six Sigma Green Belt II	3
			IMAE 476	Supply Chain Design & Strategy	3
			IMAE Electives	(Must be at 300/400 level)	3
					52
<b>Total semester hrs completed w/ AAS degree</b>		<b>64-65</b>	<b>Total semester hrs completed w/ BS degree</b>		<b>68</b>
			<b>Total hours to BS degree:</b>		<b>132-133</b>
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		