



**Articulation Agreement
Between
Virginia Western Community College
and
Purdue University on Behalf of its Calumet Campus
Bachelor of Science in Mechatronics Engineering Technology**

This agreement is entered into this 22nd day of July, 2014 by and between **Virginia Western Community College** and **Purdue University on Behalf of its Calumet Campus**.

In the spirit of the desire for an Articulation agreement and the mandate to Purdue University Calumet to offer capstone programs (upper division baccalaureate degree programs which build upon Associate in Arts, Associate in Science, and Associate in Applied Science Degree programs), Purdue University Calumet and Virginia Western Community College acknowledge the cooperative program.

WHEREAS, Virginia Western Community College and Purdue University Calumet form a cooperative relationship through articulation agreement to better accommodate our students by offering a degree completion program and a seamless transfer experience for students seeking the Virginia Western Community College Associate in Applied Science in Mechatronics Systems Engineering Technology and Purdue University Calumet Bachelor of Science degree in Mechatronics Engineering Technology.

WHEREAS, Purdue University Calumet will accept student from Virginia Western Community College who have earned an Associate of Applied Science Degree in Mechatronics Systems Engineering Technology. Virginia Western Community College students will enter Purdue University Calumet with junior status in order to pursue the Bachelor of Science in Mechatronics Engineering Technology. Through this agreement and by following the attached academic plans, student may earn both a Virginia Western Community College Associate in Applied Science degree and a Purdue University Calumet Bachelor of Science degree in Mechatronics Engineering Technology in the optimal time. Students will be admitted to Purdue University Calumet via the standard undergraduate admission process.

NOW, THEREFORE, it is understood and agreed to by the parties hereto as follows:

A. POLICY

1. Total Credits Required. To earn a Bachelor of Science in Mechatronics Engineering Technology degree at Purdue University Calumet requires a minimum of 120 credits.
2. Transfer Credit Hours. Purdue University Calumet will accept a maximum of 55 credit hours (based on attached sample Plan of Study) from Virginia Western Community College for students completing an Associate in Applied Science in Mechatronics Systems Engineering Technology. All transferable courses must be at college level.
3. Student Prerequisites. Virginia Western Community College students are required to have a 2.00/4.00 Grade Point Average (GPA).

B. ADVISING

1. Virginia Western Community College and Purdue University Calumet will provide advising services for interested students. Such services may include but are not limited to telephone advising, interactive videos, on-site presentations, computerized, and or Internet communications.
2. Purdue University Calumet will provide students with advising materials, including a model plan of study specific to the Bachelor of Science in Mechatronics Engineering Technology.
3. Purdue University Calumet will provide Virginia Western Community College with marketing materials necessary to advertise and promote the articulation agreement.

C. TERMS AND TERMINATION

1. Term. To place this agreement in effect with a calendar renewal process, the term of this Agreement shall be effective beginning the Fall 2014 semester (August 25, 2014) and shall continue through December 31, 2015 and automatically continue for an unlimited number of one year periods thereafter until terminated by either party as outlined in Section 2 below. The agreement will be reviewed every three years by both parties.
2. Termination. Purdue University Calumet or Virginia Western Community College may dissolve this agreement by giving a 180 days advance written notice to the other party. Termination by either party must be accompanied by a plan to allow all currently enrolled students to complete their program of study and obtain their degree under the terms of this agreement.
3. Curriculum Changes/Updates. Both institutions agree to notify each other within 30 days of curriculum changes that impact this agreement.

D. NOTICES

All notices required under this Agreement must be sent by registered or certified mail properly addressed, postage pre-paid, return receipt requested or by expedited or personal delivery to the follow or to such other address as either party provides from time to time:

Attn: Virginia Western Community College
Vice-President of Academic and Student Affairs
3097 Colonial Avenue, SW
Roanoke, VA 24015

Attn: Virginia Western Community College
Dean of Science, Technology, Engineering, and Mathematics
3097 Colonial Avenue, SW
Roanoke, VA 24015

For the Program

Attn: Purdue University Calumet
Academic Affairs
Lawshe Hall, Room 346
2200 169th Street
Hammond, IN 46323

For the Contract

Attn: Purdue University Calumet
Business Services & Comptroller Office
SAB 1028
2200 169th Street
Hammond, IN 46323

E. CONFIDENTIALITY

1. Proprietary Material. The parties therefore agree that all confidential or proprietary information including student information is "Confidential" and shall remain so during the term of this agreement and thereafter.

F. ADDITIONAL TERMS

1. Entire Agreement/Modifications. This document shall be the entire understanding and agreement between the parties with respect to the subject matter set forth herein, and all prior agreements, understandings, covenants, promises, warranties, and representations, oral or written, not incorporated herein are superseded hereby.

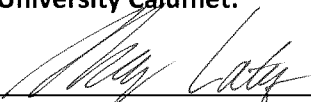
2. Amendments and Waivers. This agreement may not be amended, modified, altered, supplemented or changed in any way and no provision may be waived except in writing, signed by the parties and attached hereto as an amendment.

3. Non Exclusivity. This Agreement is not exclusive and either party may enter into similar agreements with other institutions.


4. Headings. The headings of section and subsections are used for convenience only and shall not construe to affect the substance of any section or subsection.

IN WITNESS WHEREOF, the parties have caused this Bachelor of Science degree in Mechatronics Engineering Technology agreement to be executed in their respective corporate names and by their duly authorized officers.

For Purdue University Calumet:



Niaz Latif, Dean, College of Technology Date 7/29/14

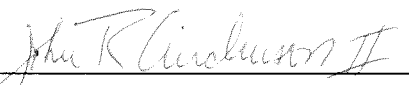


Peggy S. Gerard, Vice Chancellor for academic Affairs and Provost Date 7/30/14



Randal J. Freebourn, Assistant Vice Chancellor, Business Services & Comptroller Date 7.31.2014

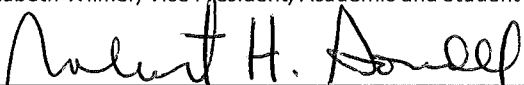
For Virginia Western Community College



John R. Anderson, II, Dean, School of Science Technology, Engineering, & Mathematics Date Aug 7, 2014



Elizabeth Wilmer, Vice President, Academic and Student Affairs Date Aug 7, 2014



Robert H. Sandel, President Date 8/7/14

ARTICULATION AGREEMENT FOR ASSOCIATE OF APPLIED SCIENCE DEGREE IN MECHATRONICS SYSTEMS TECHNOLOGY TO

BACHELOR OF SCIENCE DEGREE IN MECHATRONICS ENGINEERING TECHNOLOGY

Virginia Western Community College Courses	Credits	Purdue University Calumet Equivalency Courses	Credits
EGR 105 Intro to Problem Solving in Technology	1	Meets ET 10000 Freshmen Experience requirement	1
EGR 123 Intro to Engineering Design	2		
EGR 216 Computer Methods in Engineering & Tech.	3	Meets ECET 11000 Computer Systems Architecture req.	3
ENGL 111 English Composition I	3	ENGL 10400 English Composition	3
ETR 113 DC & AC Fundamentals I	4	Meets ECET 10200 Electrical Circuits I requirement	4
ETR 237 Industrial Electronics I	4	Meets ECET 15200 Electrical Circuit II requirement	4
ETR 238 Industrial Electronics II	4	Meets ECET 21200 Electric Power & Machinery req.	4
HLT/PED Health or Physical Education Course*	1	Meets Liberal Arts/Social Science/Wellness Elective	1
Humanities/Fine Arts Elective Course*	3	Humanities Elective	3
IND 230 Applied Quality Control	3	Concentration Selective	3
IND 250 Intro to Basic Computer Integrated Manuf.	3	Meets ECET 21700 Introduction to Process Control req.	3
IND 290 Coordinated Internship II	3	ET 15100 Internship	1
MEC 113 Materials & Processes of Industry	3	MET 24200 Manufacturing Processes	3
MEC 131 Mechanics I- Statics for Engineering Tech.	3	MET 11800 Applied Mechanics: Statics Req.	3
MEC 132 Mechanics II- Strength of Material	3		
SAF 127 Industrial Safety	2	Meets MET 21100 Strength of Materials requirement	4
MEC 162 Applied Hydraulics and Pneumatics	3	Meets MET 23000 Fluid Power requirement	3
MTH 115 Technical Mathematics I	3		
MTH 163 Pre-Calculus I	3	Meets MA 15900 Pre-Calculus Requirement	5
PHY 201 General College Physics I	4	PHY 22000 General Physics I	4
SDV 101 Orientation to Engineering (or SDV 100)	1		
Social Science Course*	3	Social Science Elective	3
Minimum credits required to complete AAS degree	66	Transferable credits to Purdue Calumet	55
Required Purdue University Calumet Courses to complete B.S. in Mechatronics			
COM 11400 Communication	3	MA 21900 Calculus for Technology I	4
ECET 10900 Digital Fundamentals	3	MA 22200 Calculus for Technology II	3
ECET 26200 Programmable Logic Controllers	3	MET 10000 Production Drawing	3
ECET 33000 Industrial Programming & Networking	3	MET 14100 Materials I Requirement	3
ECET 36200 Process Control	3	MET 21300 Dynamics	3
ECET 46200 App Computers in Process Control	4	MET 21400 Machine Elements	3
ENGL 22000 Technical Report Writing	3	MET 42000 Machine Design	3
ET 49500 Senior Project Survey	3	OLS 33100 Occupational Safety & Health	3
ET 49700 Senior Project	3	OLS 35000 Creativity	3
IET 30800 Project Management	3	OLS 47400 Conference Leadership	3
Concentration Selective- Select one upper division Engineering Technology course. See catalog for approved list.			3
Minimum credits to complete BS degree in Mechatronics Engineering Technology			120

*Select courses from approved list of Virginia Western General Education Transfer Credit List A; see catalog for approved list.

Note: Students are expected to complete the senior year (last 32 upper division credits/two semesters) at Purdue Calumet. See Purdue Calumet catalog for additional information.

For additional program information see Purdue Calumet College of Technology webpage¹ Email: tech@purduecal.edu Phone: 219.989.8324 or Toll Free 1-800 HI-PURDUE, ext. 8324

For transfer information or assistance contact Purdue Calumet Transfer Student Services² Email: transfer@purduecal.edu Phone 219.989.8335 Apply at www.purduecal.edu/apply

¹ www.purduecal.edu/technology

² www.purduecal.edu/transfer