

Addendum I: Course Requirements for Transfer

College of DuPage

AND Purdue University Calumet

Articulation Agreement for Electronics Engineering Technology to

Bachelor of Science Degree in Mechatronics Engineering Technology

College of DuPage			Purdue University Calumet Equivalency		
Course #	Course Title	Credits	Course #	Course Title	Credits
ELECT 1100 + ELECT 1101	Electricity and Electronics Fundamentals + Circuit I	3 3	Meets ET 10000 Freshman Exp. Requirement & Meets ECET 10200 Electrical Circuits I requirement		1 4
ELECT 1102	Circuits II	4	Meets ECET 15200 Electrical Circuit II requirement		4
ELECT 1120	Electronic Documentation	2			
ELECT 1130	Electronic Materials and Fabrication	2			
ELECT 1141	Digital Fundamentals	3	Meets ECET 10900 Digital Fundamentals requirement		3
ELECT 1151	Electronic Devices and Applications	4	Concentration Selective		3
ELECT 1161	Electronic Communications	4			
ELECT 1201	Renewable Energy Fundamentals	2			
ELECT 2273	Embedded Systems	3	Meets ECET 11000 Comp. Systems Architecture req.		3
ELMEC 1110+ ELMEC 2600	Pre-Calculus I + Pre-Calculus II	5 3	Meets MA 15900 Pre-Calculus Requirement		5
PHYSI 1201	General Physics I	5	PHY 22000	General Physics I	4
PHYSI 1202	General Physics II	5			
SPEEC 1100	Fundamentals of Speech Comm.	3	COM 11400	Communication	3
Humanities - Select 1 IAI approved course		3	Humanities Elective		3
Social and Behavioral Science-Select 1 IAI approved course		3	Social Science Elective		3
*Only three hours of electives required for EET					
Minimum EET Credits for AAS degree		66	Total Transfer Credits		46
Additional Required Courses for B.S. in MET can be taken at COD or PUC					
MATH 2231	Calculus I	5	Meets MA 21900 Requirement		4
MATH 2232	Calculus II	5	Meets MA 22200 Requirement		3
ENGLI 1105	Introduction to Technical Writing	3	ENGL 22000	Technical Report Writing	3
ELMEC 1141	Hydraulics & Pneumatics	3	MET 23000	Fluid Power requirement	3
ENGIN 2201	Statics	3	MET 11800	Applied Mechanics: Statics	3
ENGIN 2202	Dynamics	3	MET 21300	Dynamics	3
MANUF 1121	Physical Metallurgy	3	MET 14100	Materials I	3
MANUF 1101	Industrial Design/CAD	3	MET 10000	Production Drawing and CAD	3
MANUF 1160	Technical Static and Strength of Material	4	MET 21100	Strength of Materials	4
CoOp 2860	Internship	1	Meets ET 15100 Internship requirement		1
Total Additional Credits		33	Total Additional Credits		30
Total EET Credits		99	Total Transfer Credits		76
Required Purdue University Calumet Courses for B.S. in Mechatronics Engineering Technology					
Course #	Course Title	Credits	Course #	Course Title	Credits
ECET 33000	Industrial Programming & Networking	3	ET 49500	Senior Project Survey	3
ECET 36200	Process Control	3	ET 49700	Senior Project	3
ECET 46200	App Computers in Process Control	4	OLS 33100	Occupational Safety & Health	3

IET 30800	Project Management	3	OLS 35000	Creativity	3
MET 21400	Machine Elements	3	OLS 47400	Conference Leadership	3
MET 24200	Manufacturing Processes	3		Concentration Selective	3
MET 42000	Machine Design	3			
ECET 21700	Introduction to Process Control	3		Liberal Arts/Soc. Science/Wellness Elective	1
Total Required at Purdue University Calumet for B.S. in Mechatronics Engineering Technology					44
Minimum Required Credits to Complete B.S. in Mechatronics Engineering Technology					120

For additional information contact: PUC School of Technology www.purduecal.edu/technology/

Email: tech@purduecal.edu Phone: 219.989.8324 or Toll Free 1-800 HI-PURDUE, ext. 8324

PUC Transfer Student Services 219.989.8335 Email: transfer@purduecal.edu Apply at www.purduecal.edu/apply

Addendum III: Course Requirements for Transfer

College of DuPage

AND Purdue University Calumet

**Articulation Agreement for Electronics Engineering Technology to
Bachelor of Science Degree in Mechatronics Engineering Technology**

College of DuPage			Purdue University Calumet Equivalency		
Course #	Course Title	Credits	Course #	Course Title	Credits
ELECT 1100 + ELECT 1101	Electricity and Electronics Fundamentals + Circuit I	3 3	Meets ECET 10200 Electrical Circuits I requirement		4
ELECT 1102	Circuits II (Program Elective)	4	Meets ECET 15200 Electrical Circuit II requirement		4
ELECT 1120	Electronic Documentation	2			
ELECT 1141	Digital Fundamentals	3	Meets ECET 10900 Digital Fundamentals requirement		3
ELECT 1151	Electronic Devices and Applications	4	Concentration Selective		3
ELECT 1201	Renewable Energy Fundamentals	2			
ELECT 2255	Industrial Controls	3			
ELECT 2273	Embedded Systems	3	Meets ECET 11000 Comp. Systems Architecture req.		3
ELMEC 1141	Hydraulics & Pneumatics (Program Elective)	3*	MET 23000	Fluid Power	3
ELMEC 1171	Introduction to Robotics	3			
ELMEC 1190	Into to Programmable Logic Controllers	3	Meets ECET 26200 Programmable Logic Cont req.		3
ELMEC 1400	Maintenance Management Systems	3			
ELMEC 1420	Drive Components	2			
ELMEC 2410	Programmable Controllers II	3			
ELMEC 2510	Process and Automation Controls I	3	ECET 21700	Intro to Process Control	3
ELMEC 1110+ ELMEC 2600	Motor Fundamentals + Motion Control	3 2	Meets ECET 21200 Electric Power & Machinery Requirement		4
Manuf 1104+ Manuf 1180	Technical Mechanics + Quality Control	2 2	Meets MET 24200 Manufacturing Processes requirement		3
ENGLI 1101	English Composition I	3	ENGL 10400	English Composition	3
SPEEC 1100	Fundamentals of Speech Comm.	3	COM 11400	Communication	3
MATH 1431 + MATH 1432	Pre-Calculus I + Pre-Calculus II	5 3**	Meets MA 15900 Pre-Calculus requirement		5
PHYSI 1201	General Physics I	5	PHY 22000	General Physics I	4
Select 1 Humanities + 1 Soc. Sci. IAI approved courses		6	Humanities + Social Science Electives		6
*Only one credit is required **Only one course is required toward INET AAS Degree					
Minimum EET Credits for AAS degree		66	Total Transfer Credits		55
Additional Required Courses for B.S. in Mechatronics can be taken at COD or PUC					
MATH 2231	Calculus I	5	Meets MA 21900 Requirement		3
MATH 2232	Calculus II	5	Meets MA 22200 Requirement		3
ENGLI 1105	Introduction to Technical Writing	3	ENGL 22000	Technical Report Writing	4
ELMEC 1141	Hydraulics & Pneumatics	3	MET 23000	Fluid Power requirement	3
ENGIN 2201	Statics	3	MET 11800	Applied Mechanics: Statics	3
ENGIN 2202	Dynamics	3	MET 21300	Dynamics	3
MANUF 1121	Physical Metallurgy	3	MET 14100	Materials I	3
MANUF 1101	Industrial Design/CAD	3	MET 10000	Production Drawing and CAD	3
MANUF 1160	Technical Static and	4	MET 21100	Strength of Materials	4

	Strength of Material				
CoOp 2860	Internship	1	Meets ET 15100 Internship requirement		1
Total Additional Credits		33	Total Additional Credits		30
Total EET Credits		99	Total Transfer Credits		85
Required Purdue University Calumet Courses for B.S. in Mechatronics Engineering Technology					
Course #	Course Title	Credits	Course #	Course Title	Credits
ECET 33000	Industrial Programming & Networking	3	ET 42000	Machine Design	3
ECET 36200	Process Control	3	OLS 35000	Creativity	3
ECET 46200	App Computers in Process Control	4	OLS 33100	Occupational Safety & Health	3
IET 30800	Project Management	3	OLS 47400	Conference Leadership	3
ET 49700	Senior Project	3	Concentration Selective		3
ET 49500	Senior Project Survey	3	Liberal Arts/Soc. Science/Wellness Elective		1
Total Required at Purdue University Calumet for B.S. in Mechatronics Engineering Technology					35
Minimum Required Credits to Complete B.S. in Mechatronics Engineering Technology					120

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College of DuPage
AND Purdue University Calumet
Transfer Guide for Electromechanical Technology to
Bachelor of Science Degree in Mechatronics Engineering Technology

College of DuPage			Purdue University Calumet Equivalency		
Course #	Course Title	Credits	Course #	Course Title	Credits
ELECT 1100 + ELECT 1101	Electricity and Electronics Fundamentals + Circuit I (Program Elective)	3 3	Meets ET 10000 Freshman Exp. Requirement & Meets ECET 10200 Electrical Circuits I requirement		1 4
ELECT 1102	Circuits II (Program Elective)	4	Meets ECET 15200 Electrical Circuit II requirement		4
ELECT 1120	Electronic Documentation	2			
ELECT 1141	Digital Fundamentals	3	Meets ECET 10900 Digital Fundamentals requirement		3
ELMEC 1141	Hydraulics & Pneumatics	3	MET 23000	Fluid Power	3
ELMEC 1171	Introduction to Robotics	3			
ELMEC 1190	Intro. to Prog. Logic Controllers	3	Meets ECET 16200 Programming Logic Cont. req.		3
ELMEC 1400	Maintenance Management Systems	3			
ELMEC 1420	Drive Components	2			
ELMEC 2410	Programmable Controllers II	3	Concentration Selective		3
ELMEC 2510	Process and Automation Controls I	3	ECET 21700	Intro to Process Control	3
ELMEC 1110+ ELMEC 2600	Motor Fundamentals + Motion Control (Program Elective)	3* 2	Meets ECET 21200 Electric Power & Machinery Requirement		4
Manuf 1104 + Manuf 1180	Technical Mechanics + Quality Control	2 2	Meets MET 24200 Manufacturing Process Requirement		3
ENGLI 1101	English Composition	3	ENGL 10400	English Composition	3
SPEEC 1100	Fundamentals of Speech Comm.	3	COM 11400	Communication	3
MATH 1431 + MATH 1432	Pre-Calculus I + Pre-Calculus II	5 3*	Meets MA 15900 Pre-Calculus Requirement		5
PHYSI 1201	General Physics I	5	PHY 22000	General Physics I	4
Humanities - Select 1 IAI approved course		3	Humanities Elective		3
Social and Behavioral Science-Select 1 IAI approved course		3	Social Science Elective		3
*Only one course is required toward ELMEC AAS Degree					
Minimum EET Credits for AAS degree		66	Total Transfer Credits		52
Additional Required Courses for B.S. in MET can be taken at COD or PUC					
MATH 2231	Calculus I	5	Meets MA 21900 Requirement		4
MATH 2232	Calculus II	5	Meets MA 22200 Requirement		3
ENGLI 1105	Introduction to Technical Writing	3	ENGL 22000	Technical Report Writing	3
ELECT 2273	Embedded Systems	3	ECET 11000	Computer Systems Architecture	3
ENGIN 2201	Statics	3	MET 11800	Applied Mechanics: Statics	3
ENGIN 2202	Dynamics	3	MET 21300	Dynamics	3
MANUF 1121	Physical Metallurgy	3	MET 14100	Materials I	3
MANUF 1101	Industrial Design/CAD	3	MET 10000	Production Drawing and CAD	3
MANUF 1160	Technical Static and Strength of Material	4	MET 21100	Strength of Materials	4
MANUF 2251	Computer Numerical Control	3	MET 21400	Machine Elements	3
CoOp 2860	Internship	1	Meets ET 15100 Internship requirement		1
Total Additional Credits		33	Total Additional Credits		33

Total ELMEC Credits		99	Total Transfer Credits		85
Required Purdue University Calumet Courses for B.S. in Mechatronics Engineering Technology					
Course #	Course Title	Credits	Course #	Course Title	Credits
OLS 33100	Occupational Safety & Health	3	ET 49500	Senior Project Survey	3
ECET 33000	Industrial Programming & Networking	3	ET 49700	Senior Project	3
ECET 36200	Process Control	3	OLS 35000	Creativity	3
ECET 46200	App Computers in Process Control	4	OLS 47400	Conference Leadership	3
IET 30800	Project Management	3	Concentration Selective		3
MET 42000	Machine Design	3	Liberal Arts/Soc. Science/Wellness Elective		1
Total Required at Purdue University Calumet for B.S. in Mechatronics Engineering Technology					44
Minimum Required Credits to Complete B.S. in Mechatronics Engineering Technology					120

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ACADEMIC PLAN

Between
College of DuPage Associate of Applied Science in Construction Management
and
Purdue University on behalf of Its Calumet Campus
Bachelor of Science in Construction Management and Engineering Technologies

Agreement

To earn a Bachelor of Science in Construction Management and Engineering Technologies at Purdue University Calumet requires a minimum of 120 credits.

Graduates from May 2010 onward of College of DuPage with an Associate of Applied Science in Construction Management may transfer and apply 66 credits from that completed degree toward the requirements for Purdue University Calumet Bachelor of Science in Construction Management and Engineering Technologies. Students will be admitted to Purdue University Calumet via the standard undergraduate admission process.

The curriculum details the course requirements for this transfer agreement, including remaining courses required to fulfill the baccalaureate degree requirements. Any substitutions for the approved list of courses must be approved by Purdue University Calumet.

Additionally, under the terms of this agreement:

1. A course grade of "C" or better must be earned to be accepted for transfer.
2. As COD graduates complete the 64 credit hour requirements at Purdue University Calumet for the award of the BS degree in Construction Management and Engineering Technologies, they must meet the graduation requirements as approved by the Purdue University Calumet at the time of the student's admission to Construction Management and Engineering Technologies (PUC) program.
3. Should a decision be made to modify or dissolve this agreement, students who are already attending Purdue University Calumet at the time will be permitted to continue as long as their academic performance remains in good standing.
4. Both institutions agree to notify each other of curriculum changes that impact this agreement.

Purdue University Calumet
BS Construction Management and Engineering Technologies
Plan of Study - Remaining Course Requirements Identified

General Education Requirements:

COM 31500 Speech Comm. For Technology (3 credits)

ENGL 42000 Business Writing (3 credits)

Humanities Elective:

One general education elective from: Philosophy, History, Foreign Languages, Engl. Literature, Art History, Music Appreciation (3 credits)

BS Construction Management & Engineering Studies, Major Requirements:

CET 16000 Statics (3 credits)

CET 25300 Hydraulics and Drainage (3 credits)

CET 26000 Strength of Materials (3 credits)

CET 26600 Materials Testing (3 credits)

CET 28000 Structural Calculation (3 credits)

CET 33100 Properties and Behavior of Soils (3 credits)

CMET 32500 Structural Applications (3 credits)

CMET 34100 Construction Operations (3 credits)

OLS 34000 Fund. of Construction Safety (3 credits)

CMET 34400 Construction Inspection (3 credits)

CMET 44200 Construction Cost & Bidding (3 credits)

IET 30800 Engin. Proj. Mgmt. & Econ. Analysis (3 credits)

CMET 48900 Senior Project Survey (1credit)

CET 30600 Construction Surveying (3 credits)

CMET 44500 Construction Management (3 credits)

CMET 49000 Senior Project (3 credits)

Construction electives

Two construction electives to be selected with academic advisor (6 credits)

Lab Science Elective (3)

Any Lab Science approved by CMET Department (Geology or Earth Science Recommended) (3 credits)

TOTAL Credit Requirement for BS in Construction Management and Engineering Technologies: 120 credits