

EQUIVALENCY GUIDE

IVY TECH COMMUNITY COLLEGE



FROM	Associate of Science (AS) Mechanical Engineering Technology	TO	College of Engineering & Applied Science Bachelor of Science (BS) Mechanical Engineering Technology
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This Transfer Articulation Agreement (“TAA”) is valid from January 1, 2025 to July 31, 2027 (not to exceed three (3) years)

The following includes all course requirements for this TAA. You should consult with an academic advisor each semester to ensure you maintain appropriate degree progress and are fulfilling all requirements for the agreement. For details related to course planning, please consult your academic advisor.

IVY TECH COMMUNITY COLLEGE			UNIVERSITY OF CINCINNATI		
Course ID	Title	Cr Hrs	Course ID	Title / Program Requirement	Cr Hrs
ENGL 111	English Composition	3	ENGL 1001	English Composition	3
COMM 101	Fundamentals of Public Speaking	3	COMM 1071	<i>Gen Ed FA/HP/HU/SS Elective</i>	3
MATH 136	College Algebra	3	MATH 1021	<i>Not Applicable to BS MET</i>	--
MATH 137	Trigonometry w/Analytic Geometry	3	MATH 1022	<i>Not Applicable to BS MET</i>	--
MATH 221	Calculus for Technology I	3	MATH 1061	Calculus I	3
MATH 222	Calculus for Technology II	3	MATH 1062	<i>Not Applicable to BS MET</i>	--
PHYS 101	Physics I	4	PHYS 1051+L	General Physics 1 (AB) + Lab	4
CHEM 111	Chemistry I	4	CHEM 1030+L	<i>Counts for CHEM 1040</i>	4
	<i>Social & Behavioral Ways of Knowing:</i>	3		<i>Diversity, Equity, & Inclusion Elective</i>	3
	Choose from: COMM 212, SOCI 245, or any HIST on list				
PHIL 102	Introduction to Ethics	3	PHIL 1003	<i>Society, Culture, & Ethics Elective</i>	3
IVYT 111	Student Success University Transfer	1	MLTI 1000BLOCK	<i>Credit completes MATH 1061</i>	1
METC 279	Portfolio & Professional Preparation	1	PD 2000BLOCK	<i>Counts for PD 1011</i>	1
METC 105	Introduction to Engineering Tech	3	ENED 1000BLOCK	<i>Counts for ENED 1100</i>	3
METC 107	Mech Design & Documentation	3	MET 1072C	Engineering Design Graphics	3
METC 111	Statics	3	MET 1071	Statics	3
METC 143	Materials & Processes	3	MET 2030	Manufacturing Processes	3
METC 220	CAD for Mechanical Design	3	MET 1000BLOCK	<i>Counts for ENED 1120</i>	3
METC 230	Fluid Power	3	MET 2000BLOCK	<i>Technical Elective</i>	3
METC 237	Sys Meas Automation & Control	4	MET 5053+L	Manufacturing Automation + Lab	2+1
				+ <i>Credit completes PHYS 1051+L</i>	+ 1
EECT 111	Intro to Circuit Analysis	4	ELTN 1042	Circuit Analysis I	3
				+ <i>Credit completes MET 1072C</i>	+ 1

Total credits for AS:	60	Total transfer credits toward BS at UC:	51
		Total remaining credits for BS at UC:	73
		Total credits for BS at UC:	124

REMAINING UNIVERSITY OF CINCINNATI COURSES

SEMESTER 5 (Fall)		
Course ID	Title	Cr Hrs
MET 2073	Strength of Materials	3
+ MET 2073L	+ Strength of Materials Lab	+ 1
MET 3051	Math Apps in ET	3
MET 3075	Kinematics and Dynamics	4
PHYS 1052	Physics II (AB)	4
+ PHYS 1052L	+ Physics II (AB) Lab	+ 1

SEMESTER 6 (Spring)		
Course ID	Title	Cr Hrs
COOP 2011	First Co-Op Experience	0

SEMESTER SUMMER		
Course ID	Title	Cr Hrs
MET 2060	Thermodynamics	3
MET 2030L	Machining/CAM Lab	1
MET 3050	Logic Control	3
MET 3074	Applied Machine Design	4
MET 4076	Applied Comp Methods	3
+ MET 4076L	+ Applied Comp Methods Lab	+ 1
STAT 1031	Intro to Statistics	3

SEMESTER 7 (Fall)		
Course ID	Title	Cr Hrs
COOP 2012	Second Co-Op Experience	0

SEMESTER 8 (Spring)		
Course ID	Title	Cr Hrs
MET 2031L	Welding & Casting Lab	1
MET 3061	Fluid Mechanics	3
+ MET 3061L	+ Thermo/Fluid Lab	+ 1
MET 4052	Motion Control	2
+ MET 4052L	+ Motion Control Lab	+ 1
MET 5078	Product Development	2
+ MET 5078L	+ Product Development Lab	+ 1
PD 2050	Mid-curricular	1
MET 2032	Material Science	3

SEMESTER SUMMER		
Course ID	Title	Cr Hrs
COOP 3011	Third Co-Op Experience	0

SEMESTER 9 (Fall)		
Course ID	Title	Cr Hrs
MET 5062	Heat Transfer	3
MET 5090	Senior Design I	2
MET 5091	Senior Design II	1
	Technical Elective	3
ENGL 4092	Technical Scientific Writing	3

SEMESTER 10 (Spring)		
Course ID	Title	Cr Hrs
MET 5092	Senior Design III	3
MET 5063	Thermal Environ. Systems	2
+ MET 5063L	+ Thermal Environ. Systems Lab	+ 1
	Technical Elective	3
ECON 1002	Intro to Macroeconomics	3

ADMISSIONS & DEADLINES

- Completion of the courses on this worksheet does not guarantee admission to the College of Engineering & Applied Science.
- Students who complete the Ivy Tech AS MET have partially satisfied the UC General Education requirement.
- Students must be admitted to the College of Engineering & Applied Science during the duration of this agreement.
- **Minimum GPA** 2.60
- **Minimum Math/Science GPA** 2.50
- **Minimum Coursework**
 - Have earned credit equivalent to MATH 1061
 - Have earned credit equivalent to CHEM 1040 or PHYS 2001
- **BS Completion.** Completion of this program may require more than four semesters to complete due to prerequisite requirements and the order in which required courses must be taken and are offered. UC academic advising staff will work with each transfer student to develop the most expedient pathway to graduation.

TUITION & SCHOLARSHIPS

- General Tuition & Fees information can be found at: uc.edu/bursar/fees
- Scholarships for transfer students can be found at: financialaid.uc.edu/sfao/scholars/transfer

MORE INFORMATION

- Further information about the majors in the College of Engineering & Applied Science can be found at: ceas.uc.edu/academics/departments/computer-science/degrees-programs/computer-science-bachelor-of-science.html
- General information about the University of Cincinnati can be found at: uc.edu

READY TO APPLY? visit uc.edu/apply

Admissions Information:
admissions.uc.edu/information/transfer

Questions – Contact Us
 Transfer Center
transfer@uc.edu

Pre-Transfer Advising:
admissions.uc.edu/information/transfer/admissions-and-advising-appointments