



Paper Engineering Program Agreement

Western Michigan University
Bachelor of Science in Engineering, (B.S.E.)

Kalamazoo Valley Community College
Engineering, Associate of Science (A.S.)

Catalog Year 2025 - 2026

I. KALAMAZOO VALLEY COURSES for GENERAL EDUCATION/Michigan Transfer Agreement (MTA) (30 credits minimum)		
See attached Kalamazoo Valley MTA guide for specific courses from KVCC that will fulfill the MTA requirements		
Kalamazoo Valley Course	WMU (Western Essential Studies) Equivalent	Transfer Credit Hours
English Composition – ENG 110 or ENG 160, and one of the following COM 113, COM 210, ENG 111, ENG, 112, ENG 127, ENG, 227, ENG 260	IEE 1020 and varies	6
Humanities - 2 courses from different subject areas	Varies	6
Mathematics – MATH 160	MATH 1220	5
Science –CHM 120, PHY 221	CHEM 1100/10, PHYS 2050/60	9
Social Sciences – 2 courses from different subject areas	Varies	6
KALAMAZOO VALLEY MTA CREDIT HOURS		32 CREDIT HOURS

II. KALAMAZOO VALLEY COURSES – (30 credits)		
Kalamazoo Valley Course	WMU Equivalent	Transfer Credit Hours
PSI 100, PSI 101, PSI 102, or PSI 126	PSCI 1000, PSCI 2000, PSCI 2020, or PSCI Credit	3
WPE	Varies	2
CHM 130	CHEM 1120/30	4
CHM 220	CHEM 3750/60	4
MATH 162	MATH 1230	5
CHM 230	CHEM 3770/80	4
MATH 260	MATH 2720	5
PHY 222	PHYS 2070/80	5
SECTION II KALAMAZOO VALLEY CREDIT HOURS		32 CREDIT HOURS
TOTAL KALAMAZOO VALLEY CREDIT HOURS		64 CREDIT HOURS

III. WMU COURSES REQUIRED FOR PROGRAM DEGREE (60 credits)		
WMU Course	WMU Course Title	WMU Credit Hours
MATH 3740	Differential Equations	4
CHEG 2800	Chemical Engineering Computation	3
CHEG 3110	Unit Operations I	3

CHEG 2960	Material and Energy Balance	3
PAPR 3800	Pulp and Paper Lab	3
CHEG 3200	Thermodynamics	3
PAPR 2550	Paper Physics	3
CHEG 2611	Environmental Engineering	3
IEE 2610	Engineering Statistics	3
CHEG 3120	Unit Operations II	3
CHEG 3300	Mass Transfer	3
PAPR 3030	Pulping and Bleaching	3
PAPR 2040	Stock Preparation	3
PAPR 4600	Plant Economics	3
CHEG 4830	Process Control I	3
CHEG 4100	Chemical Reaction Engineering	3
CHEG 4440	Energy Management	3
CHEG 4810	Unit Operations Lab	3
PAPR 4870	Senior Design	3
CHEG 4400	Safety/Hazards	1
PAPR 4300	Wet End	3
Elective		3
CHEM 4350	Physical Chemistry	3
WES Global Perspectives		3
WMU Elective Credits to Reach 60		
Varies	Varies	
TOTAL CREDIT HOURS		65 CREDIT HOURS AT WMU

TOTAL CREDITS (I –III)		
64 Kalamazoo Valley Credits		
65 WMU Credits		
129 Total Credits		

Minimum credits required for Kalamazoo Valley associate degree: 62 Minimum credits required at WMU: 60 Total required credits: 122

† Professional level courses that require acceptance into the WMU program

†† WES level 3 courses satisfying Global Perspective

††† WES level 3 courses satisfying National Perspective

Advising Notes

Kalamazoo Valley Student Development Services 269-488-4040 development@kvcc.edu

WMU Academic Advisor 269-276-3270 kyle.m.manninen@wmich.edu

Program Agreement

This agreement shall commence as of Nov 6th, 2023. This program agreement shall abide by all language of the Institutional Agreement between Kalamazoo Valley Community College and Western Michigan University.

Signatures

Kalamazoo Valley Community College

Western Michigan University



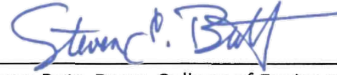
Dr. Billy Reynolds Dean of Instruction
Liberal Arts & Sciences
Kalamazoo Valley Community College



Kecheng Li, Chair, Chemical & Paper Engineering
Western Michigan University



Dr. Paige Eagan Provost & Vice-President for
Instruction & Student Services
Kalamazoo Valley Community College



Steve Butt, Dean, College of Engineering & Applied
Sciences
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