



WAUKESHA
COUNTY TECHNICAL
COLLEGE



Articulation agreement for the BS Food Science Chemistry at Mount Mary University and the Baking/Pastry Technical Certificate at Waukesha County Technical College

This articulation agreement outlines plan of study between Mount Mary University (MMU) baccalaureate degree and the Waukesha County Technical College (WCTC) Baking/Pastry Technical Certificate. Under the terms of the agreement, MMU students who are a). enrolled in the Food Science Chemistry Program, b). have a GPA 3.0 or better and c). who choose to obtain the concentration in baking to fulfill their B.S. degree, will be placed into the Baking/Pastry Technical Certificate program at WCTC. Upon successful completion of the certificate, students may transfer the WCTC credits back to the MMU Food Science Chemistry program and complete the B.S. degree with a Concentration in Baking. Alternatively, WCTC students who successfully complete the Baking/Pastry Technical Certificate, as well as meet the requirements for enrollment at MMU, will be able to transfer the credits to the MMU Food Science Chemistry program and complete the B.S. Food Science Chemistry degree with a concentration in baking.

This program supports the demand from the local Milwaukee food industries for food scientists with baking education. The Milwaukee Region, having the highest concentration of workers in the food industry in the United States,¹ employs an ever-increasing number of employees in the Snack Food and Wholesale Baking industry.

Each year, a minimum of 2 seats in the baking/pastry certificate at WCTC will be available for MMU students who have met the pre-requirements as agreed upon by the Associate Dean of School of Business (WCTC) and the Dean of Natural and Health Sciences and Education (MMU). More seats will become available at WCTC upon mutual agreement of the two institutions as the Food Science Chemistry program at MMU grows in size. WCTC students who wish to pursue the BS Food Science Chemistry degree will have a guaranteed admission to MMU with satisfactory prerequisite requirements and satisfactory progression in the Baking/Pastry certificate. The credits from the Baking/Pastry certificate (9 credits), as well as any additional college credits that meet the criteria for acceptance to MMU will be transferred directly into the Food Science Chemistry Program at MMU.

Financial Aid, Payments, Registration for the Baking/Pastry Technical Certificate

For students enrolled in the MMU Food Science Chemistry Program who are pursuing the Baking/Pastry Technical Certificate at WCTC, Financial Aid will be administered by MMU. This program requires coordination between the registrar's and business offices of MMU and WCTC. The financial agreement of payment to WCTC is attached (Attachment 2). The MMU business office will bill MMU students for all four years on a semester basis and coordinate with WCTC for payments owed to WCTC. MMU's refund policy will be in effect for all students of this program. The registrar's offices of WCTC and MMU will exchange student grade and course data in a timely manner, maintain transcripts in both offices, inform students of academic regulations and registration guidelines.

Financial Aid, Payments, Registration for the WCTC Students Transferring to MMU

Students that have already obtained the Baking/Pastry Technical Certificate at WCTC and who have met the requirements for enrollment in the BS Food Chemistry Science program at MMU, will become eligible to apply for financial aid through MMU according to the procedures and policies set forth by the university.

This agreement will be in place for 5 years and reviewed annually by the MMU Graduate Program Director, MMU Business Office, and WCTC.

1. *Southeast Wisconsin's Food Industry*, Choose Milwaukee,
www.mke7.com/clientuploads/Marketing%20Materials/M7FoodIndustryBrochure.pdf.



WAUKESHA
COUNTY TECHNICAL
COLLEGE



Waukesha County Technical College:

DocuSigned by:
Brad Beran
52E1AEB1AEB1472
Brad Beran, PhD
Associate Dean, Hospitality, Culinary and Pastry Mgmt.

Mount Mary University:

DocuSigned by:
Jonathan Koch
C4F95BDDC624450
Jon Koch
Dean, School of Business

DocuSigned by:
Cheryl Bailey
75853257E6A34A2
Cheryl Bailey, PhD
Dean, School of Natural and Health Sciences
and Education

DocuSigned by:
Brad Piazza
14A1072F134E489...
Brad Piazza, PhD
Vice President of Learning

DocuSigned by:
Karen Friedlen
D09E5807830A4E1
Karen Friedlen, PhD
Vice President for Academic and Student Affairs

DocuSigned by:
Richard Barnhouse
E463652B27D3424...
Richard G. Barnhouse, PhD
President

DocuSigned by:
Christine Pharr
5B8876609C3B4DB
Christine Pharr, PhD
President

Attachment 1: Curriculum

CORE CURRICULUM GUIDE

Credits required: 48

Academic Year 2021-2022

Realms and Additional requirements	Met	Credits	Gr	Cr	Tm
PHILOSOPHY/THEOLOGY (sea, phi, thy) (min 10 credits)					
Search for Meaning (sea) (SEA 101)		4			
Philosophy (phi)		3-4			
Theology (thy)		3-4			
COMMUNICATIONS/MATH (cm) (min. 8 credits)					
Oral Communication (1 of 3 public speaking courses)		2-3			
College Research Writing (ENG 120)		3			
World Language (3 credits or equivalency fulfilled)		3			
College Level Math (MAT 104 or higher)		3-4			
HUMANISTICS (his, bes, hum) (min. 9 credits)					
History (his) (min. 3 cr.)		3-4			
Behavioral Science (bes) (min. 3 cr.)		3-4			
Option (his, bes, hum) (min. 3 cr.)		3-4			
LITERATURE/FINE ARTS (lit, fa) (min. 9 credits)					
Literature (lit) (min. 3 cr.)		3-4			
Fine Arts (fa) (min. 3 cr. of music, art, or dance)		3-4			
Option (lit or fa) (min. 2 cr.)		2-4			
SCIENCES (sci, bio, che, phy) (min. 3 credits)					
Earth science, biology, chemistry, or physics (min. 3 cr.)		3-4			
LEADERSHIP REQUIREMENT (Waived for those with ≥ 15 cr. or ≥ 24 yrs. Not waived for the RN to BSN or Nursing 1-2-1 Program.)					
Leadership for Social Justice Seminar (SYM 110) (W = waived)		3			
GLOBAL REQUIREMENT (g) (min. 3 credits)					
One "global-designated" course. Transfer courses do not qualify.		3-4			
GRADUATION REQUIREMENTS: 120 total credits required for graduation. Additional information in the University bulletin.					
ELECTIVE CREDITS					

FOOD SCIENCE CHEMISTRY		MAJOR			
Credits required: 76 Academic Year 2021-2022					
Note: A Business, Sustainability or Baking Certificate (from WCTC) concentration is required					
Course Code	Course Title	Credits	Gr	Cr	Tm
FSC 100	Food Scientist Careers	1			
FSC 200	Regulatory and Quality Standards	2			
FSC 362	Food Science Nutrition	3			
FSC 410	Food Chemistry I	4			
FSC 412	Food Chemistry II	4			
FSC 432	Food Processing and Analysis	3			
FSC 440	Principles of Food Engineering	3			
FSC 442	Advanced Food Microbiology	4			
FSC 450	Trends in Food Science (Internship or Capstone Product Development)	3			
	Required Math courses (select 1 option):				
PSY 310 and MAT 111	Behavior Science Statistics and College Algebra	4 and 4			
MAT 216	Elementary Statistics	4			
	Required Dietetics courses				
DTS 190	Culinary Skills for Healthy Living	3			
DTS 201	Introduction to Food Science	3			
	Required Science courses:				
BIO 100	Introduction to Cellular and Molecular Biology	4			
BIO 325	Microbiology	4			
CHE 113	General Chemistry I	4			
CHE 114	General Chemistry II	4			
CHE 222	Instrumental Quantitative Analysis	4			
CHE 333	Organic Chemistry I	4			
CHE 352	Biochemistry	4			
CHE 493	Chemistry Seminar	1			
CHE 494	Chemistry Seminar	1			
	Required courses Business Concentration courses:				
BUS 250	Business Communication	3			
BUS 331	Introduction to Marketing	3			
BUS 362	Principles of Management	3			
	-OR-				

	Required Sustainability Concentration courses:				
FSC 120	Contemporary Issues in Food	3			
FSC 255	Sustainable Food Nutrients	3			
SOC 363	Environmentally Sustainable Societies	3			
	-OR-				
	Baking/Pastry Technical Certificate at WCTC:				
314-120	Science of Baking Principles (FA)	2			
314-123	Cake Production and Decorating (SP)	2			
314-140	Fundamentals of Baking 1 (FA)	2			
314-143	Pies and Confections (SP)	2			
316-110	Applied Food Service Sanitation (FA)	1			

Attachment 2: Financial Agreement

Mount Mary University will bill all students enrolled in the B.S. Food Science Chemistry program at a tuition rate of \$970.00 per credit and \$340.00 for general fees beginning the Fall Semester 2021-2022. The tuition may be adjusted annually according to tuition increases approved by the Board of Trustees of Mount Mary University.

The students participating in the Baking Certificate will be billed by Mount Mary based on WCTC's pricing structure as of Fiscal Year 2021-2022 rate (see below details). Any annual price increases affecting tuition rates or fees will be provided by WCTC to Mount Mary University six months in advance of the effective date of change.

Mount Mary will calculate the WCTC fees per student on a semester basis and issue payment a week after Mount Mary University Census Date.

WCTC Fee Structure as of Fiscal Year 2021-2022 (Per Student)	
Student Tuition (9 credits)	\$ 1,269.00
Materials Fees	\$ 340.50
Uniform costs	\$ 73.80
Student Activity Fees	\$76.05
Mandatory Student Accident Insurance	\$9.00
Total Payment to WCTC	\$ 1,768.35

Mount Mary University's Refund Policy

Mount Mary University has a tuition refund policy of 100% refundable tuition up to the Census date. There are no tuition refunds after the Census date.