



# CULINARY ARTS

## Associate in Applied Science (AAS) Program Code: 10-316-1 Total Credits: 60-61

Mid-State's Culinary Arts program prepares students to provide professional chef and related cooking services in restaurants and other commercial food establishments. Instruction includes recipe and menu planning, preparing and cooking of foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation, and familiarity with or mastery of a wide variety of cuisines and culinary techniques. Graduates of this program are prepared for entry-level roles in the food service and restaurant industry. You will develop both the technical and interpersonal skills needed for success and learn proper food safety practices. Hands-on activities include opportunities to apply culinary skills and plan menus, plan events, produce sales and marketing projects, draft budgets, practice effective management and customer service, and participate in an industry-related internship.

**Estimated tuition and fees:** [mstc.edu/programcosts](http://mstc.edu/programcosts)

### ACADEMIC ADVISOR

To schedule an appointment with an academic advisor, call 715.422.5300. Academic advisors will travel to other campuses as necessary to accommodate student needs. For more information about advising, visit [mstc.edu/advising](http://mstc.edu/advising).

### CHECKLIST:

This section will be completed when meeting with your academic advisor.

- FAFSA ([www.fafsa.gov](http://www.fafsa.gov))
- Financial Aid Form(s)  
Form(s): \_\_\_\_\_
- Follow-Up Appointment:  
Where: \_\_\_\_\_  
When: \_\_\_\_\_  
With: \_\_\_\_\_
- Official Transcripts  
Mid-State Technical College  
Student Services Assistant  
1001 Centerpoint Drive  
Stevens Point, WI 54481
- Other: \_\_\_\_\_  
\_\_\_\_\_



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**ADAMS CAMPUS**  
401 North Main  
Adams, WI 53910

**MARSHFIELD CAMPUS**  
2600 West 5th Street  
Marshfield, WI 54449

**STEVENS POINT CAMPUS**  
1001 Centerpoint Drive  
Stevens Point, WI 54481

**WISCONSIN RAPIDS CAMPUS**  
500 32nd Street North  
Wisconsin Rapids, WI 54494

# CAREER PATHWAY • BEGIN AT ANY POINT

HIGH SCHOOL STUDENT

COLLEGE TRANSFER

RETURNING ADULT

## CREDIT FOR PRIOR LEARNING AND EXPERIENCE

### CREDIT FOR PRIOR LEARNING AND EXPERIENCE

- Certifications and Licenses
- High School Credit
- Military Experience
- National/Standardized Exams
- Transfer Credit
- Work and Life Experience

Learn about Credit for Prior Learning at [mstc.edu/cpl](https://mstc.edu/cpl).

## CERTIFICATE

### COMMUNICATION ESSENTIALS

Certificate • 9 Credits

### MEAT CUTTING AND BUTCHERY

Certificate • 9 Credits

### CULINARY FOUNDATIONS

Certificate • 8 Credits

For more information and additional opportunities, visit [mstc.edu/career-accelerator](https://mstc.edu/career-accelerator).

## TECHNICAL DIPLOMA

### FOOD SERVICE ASSISTANT

Technical Diploma • 18 Credits

#### Start Your Career

- Cook
- Food Service Worker
- Food Service Specialist

## ASSOCIATE IN APPLIED SCIENCE (AAS)

### CULINARY ARTS

Associate in Applied Science (AAS) • 60-61 Credits

#### Start Your Career

- Head Cook
- Line Cook
- Sous Chef

## BACHELOR'S DEGREE

### BACHELOR'S DEGREE OPTIONS

UW-Oshkosh.

For more information and additional opportunities, visit [mstc.edu/transfer](https://mstc.edu/transfer).

## OTHER OPTIONS

### RELATED PROGRAMS

- Hospitality Assistant
- Hospitality Management

## OUTCOMES

Employers will expect you, as a Culinary Arts graduate, to be able to:

- Apply principles of safety and sanitation in food service operations.
- Apply principles of nutrition.
- Demonstrate culinary skills.
- Manage food service operations.
- Plan menus.
- Analyze food service financial information.
- Relate food service operations to sustainability.

## TECHNICAL SKILLS ATTAINMENT

The Wisconsin Technical College System (WTCS) has implemented a requirement that all technical colleges measure outcomes attained by students. This requirement is called Technical Skills Attainment (TSA). The main objective of TSA is to ensure graduates have the technical skills needed by employers.

## TECHNICAL STANDARDS

Students enrolled in the Culinary Arts program must be able to meet the established technical standards identified below, which are reflective of those found in the profession.

- Ability to move or transport objects up to 50 pounds, potentially with occasional, frequent, or constant exertion.
- Ability to detect and respond to emergencies.
- Sufficient endurance, strength, mobility, balance, flexibility, and coordination to perform activities and emergency procedures.
- Sufficient sensory (auditory, visual, taste, smell, tactile) ability in order to detect temperature and/or environmental temperature, detect freshness or state of product, etc.

## PROGRAM PROGRESSION

In order to progress in and successfully complete the program, students must repeat core courses (courses numbered 10-316-xxx and 10-109-xxx) not completed with a grade of “C” or better prior to progressing in core courses or other courses with co- or pre-requisites.

Please note that the ability to repeat courses is dependent upon availability of courses. Students may be required to apply for program re-entry in order to repeat courses.

## STUDENT HANDBOOK

Visit [mstc.edu/studenthandbook](http://mstc.edu/studenthandbook) to view Mid-State’s student handbook, which contains information about admissions, enrollment, appeals processes, services for people with disabilities, financial aid, graduation, privacy, Mid-State’s Student Code of Conduct, and technology.

## GRADUATION REQUIREMENT

The GPS for Student Success course is required for all Mid-State program students and is recommended to be completed before obtaining 12 credits. (Not counted in the total credit value for this program.) Some students are exempt from this requirement. Please see your program advisor for more information.

### GPS for Student Success

**10890102 ..... 1 credit**

Integrate necessary skills for student success by developing an academic plan, identifying interpersonal attributes for success, adopting efficient and effective learning strategies, and utilizing Mid-State resources, policies, and processes. This course is recommended to be completed prior to obtaining 12 credits and is a graduation requirement unless you receive an exemption from your program advisor.

## ADDITIONAL COURSES AS NEEDED

The following courses may be recommended or required if the student does not achieve minimum Accuplacer scores.

### College Reading and Writing 1

**10831104 ..... 3 credits**

Provides learners with opportunities to develop and expand reading and writing skills to prepare for college-level academic work. Students will employ critical reading strategies to improve comprehension, analysis, and retention of texts. Students will apply the writing process to produce well-developed, coherent, and unified written work.

### Pre-Algebra

**10834109 ..... 3 credits**

Provides an introduction to algebra. Includes operations on real numbers, solving linear equations, percent and proportion, and an introduction to polynomials and statistics. Prepares students for elementary algebra and subsequent algebra-related courses.

## SAMPLE FULL-TIME CURRICULUM OPTION

Term		14 credits
10316112	Sanitation for Foodservice Operations ☑	1
10316121	Food Science	2
10316125	Introduction to Food Production	3
10316126	Culinary Applications	2
10801195	Written Communication ☑ -or-	
10801136	English Composition 1 ☑	3
10809103	Think Critically & Creatively ☑	3

Term		16-17 credits
10316128	Introduction to Foodservice	3
10316129	Culinary Internship	2
10316130	Introduction to Baking	2
10316138	Garde Manger	3
10801196	Oral/Interpersonal Communication ☑ -or-	
10801198	Speech ☑	3
10804107	College Mathematics ☑	3
	-or-	
10804189	Introductory Statistics ☑	3
	-or-	
10804118	Intermediate Algebra with Applications ☑	4

Term		16 credits
10109134	Cost Control-Revenue Management	3
10316120	Advanced Professional Cooking	3
10316127	Menu Planning	3
10316131	Nutrition ☑	2
10316132	Environmental Sustainability	1
10316133	Dining Room Customer Service	1
10809198	Intro to Psychology ☑	3

Term		17 credits
10196191	Supervision ☑	3
10316137	Beverage Management	1
10316136	Purchasing & Receiving	3
10316139	Restaurant Operations	4
10809166	Intro to Ethics: Theory & Application ☑	3

**Total credits 60-61**

☑ This course has options available to receive credit for prior learning (CPL) or work experience. Visit the website at [mstc.edu/cpl](http://mstc.edu/cpl) or contact your advisor for details.

Please Note:

- This curriculum sequence is only for student planning. Actual student schedules will vary depending on course availability.
- Program completion time may vary based on student scheduling and course availability. For details, go to [mstc.edu/schedule](http://mstc.edu/schedule).

## SAMPLE PART-TIME CURRICULUM OPTION

Term		8 credits
10316112	Sanitation for Foodservice Operations ☑	1
10316121	Food Science	2
10316125	Introduction to Food Production	3
10316126	Culinary Applications	2

Term		8-9 credits
10316128	Introduction to Foodservice	3
10316129	Culinary Internship	2
10804107	College Mathematics ☑	3
	-or-	
10804189	Introductory Statistics ☑	3
	-or-	
10804118	Intermediate Algebra with Applications ☑	4

Term		8 credits
10316131	Nutrition ☑	2
10801195	Written Communication ☑ -or-	
10801136	English Composition 1 ☑	3
10809103	Think Critically & Creatively ☑	3

Term		8 credits
10316130	Introduction to Baking	2
10316138	Garde Manger	3
10801196	Oral/Interpersonal Communication ☑ -or-	
10801198	Speech ☑	3

Term		7 credits
10316127	Menu Planning	3
10316132	Environmental Sustainability	1
10316120	Advanced Professional Cooking	3

Term		7 credits
10316137	Beverage Management	1
10316136	Purchasing & Receiving	3
10809166	Intro to Ethics: Theory & Application ☑	3

Term		7 credits
10316133	Dining Room Customer Service	1
10109134	Cost Control-Revenue Management	3
10809198	Intro to Psychology ☑	3

Term		7 credits
10196191	Supervision ☑	3
10316139	Restaurant Operations	4

**Total credits 60-61**

## MULTIPLE MEASURES

**Multiple Measures Writing (MMW):** High school GPA of 2.6 and successful completion of 2.0 credits of high school writing courses with a "C" or better

**Multiple Measures Math 1 (MMM\_1):** High school GPA of 2.6 and successful completion of 1.0 credits of high school math (Algebra 1 or equivalent) with a "C" or better

**Multiple Measures Science 1 (MMS\_1):** High school GPA of 2.6 and successful completion of 1.0 credits of high school lab science course with a "C" or better

**Multiple Measures Reading (MMR):** High school GPA of 2.6 and successful completion of 2.0 credits of high school literature courses with a "C" or better

**Multiple Measures Math 2 (MMM\_2):** High school GPA of 2.6 and successful completion of 2.0 credits of high school math including Algebra 1 and Algebra 2 with a "C" or better

**Multiple Measures Science 2 (MMS\_2):** High school GPA of 2.6 and successful completion of 1.0 credits of high school chemistry with a "C" or better

*Past high school and college transcripts are used in making course placement decisions.*

# COURSE DESCRIPTIONS

## Advanced Professional Cooking

**10316120 .....3 credits**

Through this course, students will take the concepts learned in their previous courses to the next level. Students will refine their skills using modern professional equipment and techniques following industry standards for high-end foods. With an emphasis on presentation, flavors, recipe creation, and time management, students will gain a better understanding of their own personal palate and what constitutes a fine dining experience.

*Prerequisites: Introduction to Food Production 10316125, Introduction to Foodservice 10316128, and Sanitation for Foodservice Operations 10316112*

## Beverage Management

**10316137 .....1 credit**

Students will be learn to identify types of nonalcoholic beverages and alcoholic drinks. Students will learn to prepare and serve various beverages to meet established standardized recipes. Student will learn about responsible alcohol service by completing the ServSafe Alcohol training program. The ServSafe Alcohol® Training program is developed by the National Restaurant Association and experts who have direct experience with the risks involved in serving alcohol. This connection to the foodservice industry provides insights that help prepare students for difficult situations. Students will take the Responsible Alcohol certification exam at the end of the course.

## College Mathematics

**10804107 .....3 credits**

This course is designed to review and develop fundamental concepts of mathematics in the areas of algebra, geometry, trigonometry, measurement and data. Algebra topics emphasize simplifying algebraic expressions, solving linear equations and inequalities with one variable, solving proportions and percent applications. Geometry and trigonometry topics include; finding areas and volumes of geometric figures, applying similar and congruent triangles, applying Pythagorean Theorem, and solving right triangles using trigonometric ratios. Measurement topics emphasize the application of measurement concepts and conversion techniques within and between U.S. customary and metric system to solve problems. Data topics emphasize data organization and summarization skills, including: frequency distributions, central tendency, relative position and measures of dispersion. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators.

*Prerequisite: High School GPA of 2.6 and MMM\_1 or Accuplacer Arithmetic of 250 and QAS 234 or ACT Math score of 17 or Pre-Algebra 10834109 with a "C" or better*

## Cost Control-Revenue Management

**10109134 .....3 credits**

Covers the concepts and techniques of controlling costs with particular emphasis placed on cost-to-sales relationship. Utilizing industry specific technology, students calculate the cost of goods, selling price and relative percentages. They also forecast sales, conduct yield analyses and calculate break-even points.

## Culinary Applications

**10316126.....2 credits**

Applies the basic principles of culinary calculations involved in the purchase, preparation and use of goods related to the hospitality field.

## Culinary Internship

**10316129.....2 credits**

This internship provides students with practical knowledge and experience in the culinary industry through the lens of restaurant cooks and managers. Integrating the theories and techniques learned in previous courses with specific off-campus occupational experiences at selected training sites allows students to gain a real-world perspective of this segment of the industry.

*Prerequisites: Admission to Culinary Arts program 103161, Sanitation for Foodservice Operations 10316112 and Introduction to Food Production 10316125*

## Dining Room Customer Service

**10316133.....1 credit**

In this course, students will learn about table settings, various styles of dining room service and operations and become familiar with the importance of proper dining room guest service. Students will apply these techniques in the Restaurant Operations course later in the program.

## English Composition 1

**10801136 .....3 credits**

Learners develop and apply skills in all aspects of the writing process. Through a variety of learning activities and written documents, learners employ rhetorical strategies, plan, organize and revise content, apply critical reading strategies, locate and evaluate information, integrate and document sources, and apply standardized English language conventions.

*Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better*

## Environmental Sustainability

**10316132.....1 credit**

In this course, students will learn about responsible ingredient sourcing for restaurants including purchasing locally, farm-to-table practices, and sustainable seafood. Other topics include restaurant waste economic and environmental impact and practices for reduction, energy use in restaurants, and communicating a restaurant's environmentally sustainable practices to customers.

## Food Science

**10316121 .....2 credits**

Discover the science and history behind food preparation. Explore what happens when heat and/or cold are applied to foods and how different chemicals can manipulate the texture, flavor, and appearance of foods. This course will also address the hierarchy of culinary titles and what comprises a professional kitchen.

# COURSE DESCRIPTIONS

## **Garde Manger**

**10316138.....3 credits**

In this course, students will learn to prepare cold soups, cold sauces, cheese platters, charcuterie boards, pâtés and terrines, as well as salads and decorative fruit and vegetable displays.

*Corequisite: Sanitation for Foodservice Operations 10316112*

## **Intermediate Algebra with Applications**

**10804118 ..... 4 credits**

This course offers algebra content with applications. Topics include properties of real numbers; order of operations; algebraic solution for linear equations and inequalities; operations with polynomial and rational expressions; operations with rational exponents and radicals; and algebra of inverse, logarithmic, and exponential functions.

*Prerequisite: High School GPA of 2.6 and MMM\_1 or Accuplacer Arithmetic of 263 and QAS 234 or ACT Math score of 19 or QAS of 245 or Pre-Algebra 10834109 with a "C" or better*

## **Introduction to Baking**

**10316130 .....2 credits**

Students will learn baking theory through online and workbook exercises and then apply this theory in class by utilizing the equipment and ingredients used in commercial baking to prepare yeast breads, quick breads, pies, cakes, and cookies and other products. The course will reinforce the knowledge and skills the student has learned in previous courses including practical kitchen safety & sanitation, mise en place, product identification, and scaling & product utilization.

*Prerequisites: Introduction to Food Production 10316125 and Sanitation for Foodservice Operations 10316112 or ServSafe® Food Manager Certification*

## **Introduction to Food Production**

**10316125.....3 credits**

Introduces quantity food production to the non-culinary student. Topics include the preparation of a variety of menu items, equipment use, cooking methods and terminologies, recipe conversion and the essentials of timing and coordination of service.

*Corequisite: Sanitation for Foodservice Operations 10316112*

## **Introduction to Foodservice**

**10316128.....3 credits**

In this course, students will practice the skills they learned in the Introduction to Food Production class by operating a noncommercial foodservice outlet serving guests through a la minute and batch cooking practices. Heavy emphasis is placed on safety & sanitation, knife skills and culinary theory.

*Prerequisites: Sanitation for Foodservice Operations 10316112 and Introduction to Food Production 10316125*

## **Introductory Statistics**

**10804189 .....3 credits**

Students taking Introductory Statistics display data with graphs, describe distributions with numbers, perform correlation and regression analyses, and design experiments. They use probability and distributions to make predictions, estimate parameters, and test hypotheses. They draw inferences about relationships including ANOVA. Algebra knowledge and foundational skills in mathematics are important for success in this course.

*Prerequisite: High School GPA of 2.6 and MMM\_2 or Accuplacer QAS 241 or ACT Math score of 19 or Pre-Algebra 10834109 or College Math 10804107 with a "C" or better*

## **Intro to Ethics: Theory & Application**

**10809166 .....3 credits**

Provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives are used to analyze and compare relevant issues. Students critically evaluate individual, social, and/or professional standards of behavior, and apply a systemic decision-making process to these situations.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## **Intro to Psychology**

**10809198 .....3 credits**

This science of psychology course is a survey of multiple aspects of behavior and mental processes. It provides an overview of topics such as research methods, theoretical perspectives, learning, cognition, memory, motivation, emotions, personality, abnormal psychology, physiological factors, social influences, and development.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## **Menu Planning**

**10316127 .....3 credits**

A hands-on approach to planning, creating, and maintaining effective menus. Discussions include menu items and placement, food costing and creative menu designs for visual appeal. Menu planning and design software may be utilized.

## **Nutrition**

**10316131 .....2 credits**

This course covers key concepts in nutrition including nutrition basics, nutritional standards and guidelines, nutrition programs, market and menu assessment, cooking for health, allergens and special diets, and menu labeling regulations. As part of the course, students will complete a field project and have the opportunity to earn a ManageFirst® Certificate in Nutrition.

# COURSE DESCRIPTIONS

## Oral/Interpersonal Communication ☑

**10801196 .....3 credits**

Focuses on developing effective listening techniques and verbal and nonverbal communication skills through oral presentation, group activity, and other projects. The study of self, conflict, and cultural contexts will be explored, as well as their impact on communication.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## Purchasing & Receiving

**10316136 .....3 credits**

In this course, students will learn how to prepare vendor orders using product requisitions from kitchen classes, enter orders online using vendor website, receive products in a safe and secure manner, organize refrigerated, frozen and dry cooler spaces to ensure food safety and anti-theft standards are met, conduct and extend a product inventory and produce, update and maintain food receiving and storage logs utilizing a modified HACCP system to document food safety practices.

## Restaurant Operations

**10316139 ..... 4 credits**

Restaurant Operations students will complete product preparation sheets using standardized recipes and restaurant reservations. Students will set up a kitchen for service, including equipment, supplies, and mise en place and prepare menu items to order or buffet style as required. Students will take guest reservations, greet and serve guests, and utilize a point of sale system for order entry and guest check reconciliation.

*Prerequisite: Sanitation for Foodservice Operations 10316112  
Corequisite: Purchasing & Receiving 10316136.*

## Sanitation for Foodservice Operations ☑

**10316112 ..... 1 credit**

Students examine the causes of food-borne illness and apply techniques for preparing, storing, and serving hot and cold foods from a ServSafe® Certified Instructor/Proctor. Students also examine the role of management and workers related to sanitation regulations and standards. The ServSafe® certification test is administered in this course and students will need to hold this valid certificate for graduation and employment in the culinary industry.

## Speech ☑

**10801198 .....3 credits**

Explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of this course. Includes informative, persuasive, and occasion speech presentations.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 253 and Writing of 262 or ACT of 21 Reading/19 English or completion of College Reading and Writing 1 10831104 with a "C" or better*

## Supervision ☑

**10196191 .....3 credits**

Applies skills and tools necessary to perform the functions of a contemporary frontline leader. Students engage in operational planning, analyze organizational structures, review the staffing process, employ techniques to enhance employee personal and group effectiveness, and develop control techniques to measure effectiveness in the above areas.

## Think Critically & Creatively ☑

**10809103 .....3 credits**

Provides instruction about critical and creative thinking that is in high demand in all occupations. Models, theories, and processes provide the foundation for learning logical thinking strategies. Students will apply a systematic approach to problem solving by analyzing the problem, assessing possible solutions, and making effective decisions. In addition, students will generate ideas and analyze complex issues. This course assists students with developing a critical thinking mindset which is essential at every level of personal and professional life.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## Written Communication ☑

**10801195 .....3 credits**

Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.

*Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better*