

What is CTE in District 86?

Career and Technical Education (CTE) programs at Hinsdale Township District 86 provide instruction for careers in high-wage, high-skill, and in-demand occupations. District 86 CTE programs strengthen students' technical skills, articulate transitions to postsecondary or vocational programs, and close achievement gaps.

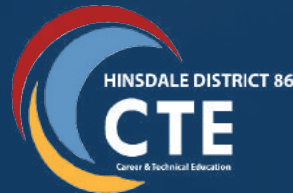
Regardless of whether students are headed for college or the workforce, this type of education will help students prepare for the future. In fact, college-bound students can get job experiences to help them define their career plans, identify an appropriate course of study, and help pay for tuition.

What is the Skills Gap?


The skills gap is the difference between the skills needed by a possible candidate for a position, and the skills learned by the candidate through their schooling. In CTE classes, we strive to help students build skills which they will need in their futures




**This is NOT a Cass School
District 63 Sponsored
Event/Organization**

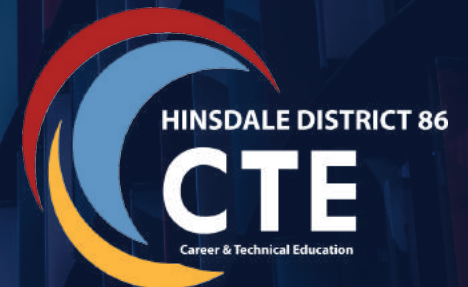


Business, Family & Consumer Sciences, and Technology Education

 (630)570-8280

 @D86CTE

 www.d86.hinsdale86.org



CTE & STEM

CTE is an important part of Science, Technology, Engineering and Math (STEM). Oftentimes when individuals think about STEM, they think of scientists and engineers. However, what doesn't come to mind are the numerous high wage, high skilled, high demand careers for which CTE is preparing students.

The magic of CTE is the definition of STEM is the integration of two or more of these topics in the context that students are passionate about. Without the combination of two or more of the STEM components you are not teaching STEM. That is why CTE is a perfect fit for STEM education.



Family & Consumer Sciences Department

The Family & Consumer Sciences Department offers courses in the areas of Culinary Arts, Interior Design, Fashion, Teaching, and Family Living. The FACS Department strives to improve the lives of families, individuals and communities through advanced level learning opportunities for all students while fostering academic achievement, career exploration, creativity, and problem-solving skills.

Business Department

District 86 offers a wide range of business courses with focuses on Information Technology, Entrepreneurship, Finance, Marketing, and Accounting. Students who are contemplating a Business major in college should select one or more Business electives. Due to the difficulty of college level accounting, students are urged to take an Accounting course offered in District 86.

The Business Department offers Internship and Work Experience programs for students wishing to explore and actively contribute to the industrial, business, professional, and service sectors of the community.

Technology Education

The District 86 Technology Education Department offers courses in Engineering & Design, Architecture, Graphic Communications, and Woodworking. These courses are laboratory classes which provide skills, such as problem solving and group work, necessary to adult life. Students interested in engineering, architecture, design or construction management should enroll in these courses.



Department Chairperson

Mr. John Madden

Business courses are designed to prepare students for college, careers and employment in the computer, financial, legal, management and marketing fields. Our department shares the fundamental responsibilities of public education and strives to provide our students a safe, caring, up-to-date environment while helping ensure that all students attain appropriate levels of achievement in areas vital to their continuing development. We feel that it is our responsibility to plan, implement, and update enthusiastic programs. Students can then attain a satisfactory level of achievement appropriate to either immediate employment or advanced education in preparation for career opportunities. Opportunities are abundant for students in the business world if their preparation is complete and their attitudes are positive. The Business teachers of Hinsdale South High School identify those opportunities for our students and help them in attaining high personal goals for the future. Elective Arts credit is given for all Business courses.

INFORMATION PROCESSING

<u>Course Title</u>	<u>Course No.</u>	<u>Prerequisite</u>	<u>Credit</u>	<u>Level</u>
Essential Technologies (Keyboarding)	06121	None	0.5	9-12
Multimedia Innovations and App Design	06182	None	0.5	9-12
Applied Digital Communication	01731	Yes	0.5	9-12

APPLIED BUSINESS

<u>Course Title</u>	<u>Course No.</u>	<u>Prerequisite</u>	<u>Credit</u>	<u>Level</u>
Introduction to Business	06100	None	1.0	9-12
Introduction to Business w/Honors Option	06300	Yes	1.0	9-12
Consumer Economics	06111	None	0.5	10-12
Foundations Consumer Education	11790	Yes	1.0	9-12
Business Law I	06231	None	0.5	9-12
Business Law I w/Honors Option	06221	Yes	0.5	9-12
Business Law II	06242	Yes	0.5	10-12
Business Law II w/Honors Option	06252	Yes	0.5	10-12

MANAGEMENT/MARKETING/FINANCE

<u>Course Title</u>	<u>Course No.</u>	<u>Prerequisite</u>	<u>Credit</u>	<u>Level</u>
Accounting	06320	None	1.0	10-12
Accounting Honors	06350	Yes	1.0	10-12
Entrepreneurial Studies	06421	None	0.5	10-12
Entrepreneurial Studies w/Honors Option	06431	Yes	0.5	10-12
Investment Planning	06331	None	0.5	10-12
Marketing	06470	None	1.0	10-12
Marketing w/Honors Option	06460	Yes	1.0	10-12

EMPLOYMENT EXPERIENCE**

<u>Course Title</u>	<u>Course No.</u>	<u>Prerequisite</u>	<u>Credit</u>	<u>Level</u>
Technical Support Internship (TSI)	06440	No	1.0	10-12
Technical Support Internship Honors(TSI)	06450	Yes	1.0	11-12
Internship	06461	Yes	.5	11-12
Internship w/Honors Option	06441	Yes	.5	11-12
Business Work Experience*	06490	Yes	1.0	11-12
Prevocational Job Training	01850	Yes	1.0	9-12
Cooperative Work Training	01770	Yes	1.0	11,12

**All Employment Experience classes may be repeated. See Department Chairperson.

INFORMATION PROCESSING

ESSENTIAL TECHNOLOGIES (KEYBOARDING)

Course # 06121

Prereq: None

Level: 9, 10, 11, 12

Credit: 0.5

Essential Technologies is designed for the student who wants to acquire skills necessary to enhance the value of the computer for academic and personal use. This course will focus on developing 21st Century technology skills by incorporating study in keyboarding, Internet research, and computer literacy. Through the use of Microsoft Office and other online tools, we will focus on building a student's essential technology skills that will be needed at Hinsdale HSD 86. *Students who desire improvement in keyboarding, computer usage, and basic software application skills will benefit from this course and be better prepared for all high school classes.*

MULTIMEDIA INNOVATIONS AND APP DESIGN

Course # 06182

Prereq: None

Level: 9, 10, 11, 12

Credit: 0.5

Students will develop a broad perspective of the design, communication theory, processes and tools, applications and occupational opportunities in multimedia design. Editing, animating, and digital-publishing will be emphasized. Using various software programs and online resources, students will design and create audio and visual projects/presentations and applications used on today's cell phones and tablets. *Students interested in Entrepreneurship, Management, and Marketing, should take this course.*

APPLIED DIGITAL COMMUNICATION

Course # 01731

Prereq: Director placement

Level: 9, 10, 11, 12

Credit:.5

This course is individualized to meet varying ability levels and needs in developing and improving computer skills for both career and personal use. Each student will learn and develop correct fingering techniques for the operation of the computer keyboard and completes drills designed to develop speed and accuracy. Operating both hardware and software associated with a desktop computer that uses the Microsoft Windows/Office environment, students will focus on developing and improving basic navigation, problem solving, and obtaining job related computer skills.

APPLIED BUSINESS

CONSUMER ECONOMICS

Course # 06111

Prereq: None

Level: 10, 11, 12

Credit: 0.5

This course helps students to understand the consumer's role in a mixed economy. Students will learn about various topics that they will use their entire life. Topics of study include: Economics, consumer rights and responsibilities, credit, purchasing of goods and

services, making sound investment plans and preparing individual tax returns.

This course fulfills the state mandate for Consumer Education.

FOUNDATIONS CONSUMER EDUCATION

Course #11790

Prereq: Director placement

Level: 9, 10, 11, 12

Credit: 1.0

Students enrolled in this course focus on the concepts of budgeting, Consumer Economics, self-advocacy, roles of consumers, communication, socialization, functional life skills, recreation/leisure skills, and applying those concepts to real world opportunities through weekly community experiences.

INTRODUCTION TO BUSINESS

Course # 06100

Prereq: None

Level: 9, 10, 11, 12

Credit: 1.0

Course # 06100: This course gives students a background in the basic operations of business and develops an understanding of the economic role of business in our society. Topics covered include types of business organization, marketing, advertising, accounting, human resources, management decision making, investing, finance, international business, and economics. Skill is developed through a wide variety of activities including computer research, projects, and classroom activities. This course is recommended for students who wish to further study business (Business Management, Accounting, Marketing, and Law) at Hinsdale South.

Students who pass both semesters will fulfill the state mandate for Consumer Education.

INTRODUCTION TO BUSINESS w/Honors Option

Course #06300

Prereq: Instructor approval

Level: 9, 10, 11, 12

Credit: 1.0

Course # 06300 w/Honors Option: Introduction to Business Honors option is recommended for the highly motivated student, especially those interested in pursuing a degree in Business. This course gives students a background in the operations of business and develops an understanding of the economic role of business in our society. Topics covered include types of business organization, marketing, advertising, accounting, human resources, management decision making, investing, finance, international business, consumerism, and economics. Skill is developed through a wide variety of activities including computer research, projects, and classroom activities that have more depth, complexity, and rigor. Expectations for this course are much higher and will require additional time outside of class.

Students who pass both semesters will fulfill the state mandate for Consumer Education.

This course is recommended for students who wish to further study business (Business Management, Accounting, Marketing, and Law) at Hinsdale South.

BUSINESS LAW I

Course # 06231

Prereq: None

Level: 11, 12

Credit: 0.5

Course #06231: Students will gain an appreciation of our legal system as it relates to their personal lives, business practices, and office procedures. Topics include: our legal system (courts, criminal and civil law) contracts, personal, and consumer law. A field trip to a local court and participation in mock trials as lawyers, witnesses, and/or jurors help students gain an understanding and an appreciation of how the American legal system functions.

BUSINESS LAW I w/Honors Option

Course #06221

Prereq: Instructor approval

Level: 11, 12

Credit: 0.5

Course #06221 w/Honors Option: Business Law I w/Honors Option is recommended for the highly motivated student, especially those interested in pursuing a degree in Business or Law. Students electing the honors option will be required to complete a more rigorous and in depth curriculum for each unit. Students electing the honors credit option will work with the same topical material as the Business Law class. However the topics will be looked at on a different level by all honors students. All unit materials in this course

will have the following emphasis: (1) Writing intensive, (2) Research based, (3) Higher complexity of analysis and reasoning, and (4) Professional level presentation of work.

BUSINESS LAW II

Course # 06242

Prereq: Business Law I

Level: 11, 12

Credit: 0.5

Course # 06242: Students will investigate our legal system as it relates to their personal lives, business practices, and office procedures. Topics include: The Supreme Court System, property law, sales law, money law and business/employment law. Group discussions, case studies, guest speakers and a field trip will be utilized to present and examine these concepts. To develop a better understanding of the legal system, students will participate in a mock trial tournament throughout the semester. Students will also participate in The National On-line Youth Summit sponsored by the American Bar Association.

BUSINESS LAW II w/Honors

Option

Course #06252

Prereq: Business Law I w/Honors
Option and instructor approval

Level: 11, 12

Credit: 0.5

Course #06252 w/Honors Option: This course is an extension of Business Law I Honors Option and is recommended for the highly motivated student, especially those interested in pursuing a degree in Business or Law. Topics covered include: The Supreme Court System, property law, sales law, money law and business/employment law. Group discussions, case studies, guest speakers and a field trip will be utilized to present and examine these concepts. To develop a better understanding of the legal system, students will participate in a mock trial tournament throughout the semester. Projects and assessments for this option will involve more depth, complexity, and rigor. Expectations for this course are much higher and will require additional time spent out of class.

**MANAGEMENT,
MARKETING &
FINANCE**

ACCOUNTING

Course # 06320

Prereq: None

Level: 11, 12

Credit: 1.0

This course develops a basic understanding of double-entry accounting. The accounting cycle, accounting theory, financial reports and financial analysis are included. Online accounting work papers, spreadsheets and accounting software are used to apply all accounting concepts. This course is recommended for college-bound students planning a career in accounting, finance, management or marketing.

ACCOUNTING HONORS

Course # 06350

Prereq: Department Chairperson
approval

Level; 11, 12

Credit: 1.0

Accounting Honors will prepare students for the rigor of college accounting. Students will develop an understanding of double-entry accounting. Topics covered include the following: accounting cycle, accounting systems, internal controls, journals, receivables and payables, accruals and deferrals, inventory, fixed assets and depreciation, financial statement preparation and analysis, and taxes. A computerized accounting program will be utilized, as well as spreadsheets. The core material for this course is similar to Accounting, however, more topics are covered, the pace is accelerated and expectations are higher. This course is highly recommended for motivated students planning to enter a college business program.

INVESTMENT PLANNING

Course # 06331

Prereq: None

Level; 10, 11, 12

Credit: 0.5

In this course students will study basic investment principles involving stocks, commodities, bonds, and mutual funds. Students will also learn about tax information, effects of the economy on the market, government regulations of securities and on-line investing. Current issues as they relate to investing will be discussed. Individual and Teams will be formed to participate in the Stock Market Game by trading on-line.

ENTREPRENEURIAL STUDIES

Course # 06421

Prereq: None

Level: 11, 12

Credit: 0.5

ENTREPRENEURIAL STUDIES

w/Honors Option

Course # 06431

Prereq: Instructor approval

Level: 11, 12

Credit: 0.5

Course # 06421: Entrepreneurial Studies is designed for students with above-average grades who are planning to major in business in college or are interested in starting or managing their own business. This course is an introduction to current practices in the world of business. Units of instruction include economic trends, entrepreneurship, business organization, human relations, ethics, management, marketing, finance, and international business.

Course #06431 w/Honors Option: Entrepreneurial Studies w/honors option is designed for students with above-average grades who are planning to major in business in college or are interested in starting or managing their own business. Students will prepare themselves for the challenges of the business world and becoming an entrepreneur/manager by relating current practices in the world of business to: economic trends, business organization, human relations, ethics, management, marketing, finance, and international business.

MARKETING

Course # 06470

Prereq: None

Credit: 1.0

Supply fee: \$25

Course # 06470: is designed to prepare students for the challenges and opportunities in the field of marketing. Topics covered include current trends in marketing, consumer behavior, sales, advertising, entrepreneurship, human relations and sports marketing. Marketing is beneficial for those planning to enroll in related business/marketing programs in college.

MARKETING w/Honors Option

Course # 06460

Prereq: Instructor approval

Level: 11, 12

Credit: 1.0

Supply fee: \$25

Course # 06460 w/Honors Option: The Honors Option is designed for students with above-average grades, managerial/organizational and intellectual abilities, who plan to major in business/marketing in college. Topics covered include current trends in marketing, consumer behavior, sales, advertising, entrepreneurship, human relations and sports marketing.

EMPLOYMENT EXPERIENCE

TECHNICAL SUPPORT INTERNSHIP(TSI)

Course # 06440

Prereq: Dept. Chairperson or coordinator approval

Level: 10, 11, 12

Credit: 1.0

The Technology Support Internship (TSI) course is a hands-on study of technology integration in an educational context. Students will be trained to oversee daily technology issues in order to assess which problems surface throughout the school day. Students will define the best approach to addressing or solving the problems for students and teachers.

Students will troubleshoot hardware, software, and network problems, as well as process service tickets and inventory stock. Students will be required to complete and maintain several running projects that address problems or solutions in educational tech integration. They will also be expected to provide training sessions on Chromebook use and digital citizenship to incoming freshmen and transfer students. The course also provides students with the opportunity to pursue an independent learning pathway and potential professional certifications in one of four areas: Application, Innovation, Design, and Entrepreneurship.

Prerequisite: Open to grades 10-12

Honors Option available after completion of the first year.

TECHNICAL SUPPORT INTERNSHIP(TSI) HONORS

Course # 06450

Level: 10, 11, 12

Credit: 1.0

The core material for this course is similar to TSI; however, students are expected to partake in leadership and training opportunities for new TSI students. This course is highly recommended for motivated students with an interest in Technology.

Prerequisite: Open to grades 10-12

The Honors option is only available for returning students who have successfully completed TSI in a previous school year.

BUSINESS WORK EXPERIENCES

Course # 06490

Prereq: Marketing or concurrent enrollment in Marketing and coordinator approval

Level: 11, 12

Credit: 1.0

Business Work Experiences provides the student with actual paid business experience related to their career goals. Students are employed in local businesses from a minimum of 15 hours to a maximum of 25 hours per week for which they receive monetary compensation. A wide variety of experience is available in fields such as apparel and accessories, automotive, food distribution, food service, hotel and tourism, general merchandise retailing, and various office related careers, including banking, accounting, and administrative assistant positions. This work experience program prepares students for further study or a career in marketing, retailing, management, finance, accounting, or administrative office positions. Students are selected by application and interview with emphasis on factors including reliability, integrity, and career goal. ***It is the student's responsibility to make travel arrangements to and from the job. Students must maintain enrollment and earn a passing grade in Marketing to receive credit for this work experience program.***

INTERNSHIP

Course # 06461

Prereq: Dept. Chairperson or coordinator approval

Level: 11, 12

Credit: .5 per semester (this class may be repeated for up to 1 credit)

Internship is an elective semester program for the highly motivated junior or senior. The program provides students with opportunities in the local community for hands-on career exploration in their chosen field. Acceptance into the program is determined by factors such as faculty letters of recommendation, availability of a community sponsor, and interviews with the coordinator and the community sponsor. Students are required to keep a journal of their experiences and complete a summary report. During the internship, students observe daily operations, confer with other personnel, and participate and contribute to the functions of the organization for at least 50% of the hours spent in the internship experience. Student performance in the Internship program is evaluated on a pass-fail basis. ***The internship is conducted exclusively outside of the school day with no pay for a minimum of 50 hours during the semester. Students must make the travel arrangements necessary to fulfill their internship responsibilities.***

INTERNSHIP w/Honors Option

Course # 06441

Prereq: Dept. Chairperson or coordinator approval

Level: 11, 12

Credit: .5 (this class may be repeated for up to 1 credit)

Course #06441 w/honors option: The core material for this course is similar to Course #06461; however, projects and assessments will involve more depth, complexity, and rigor. Expectations for this course are much higher and will require additional time. This course is highly recommended for motivated students giving serious consideration to a specific career.

PREVOCATIONAL JOB TRAINING

Course #01850

Prereq: Director placement

Level: 9, 10, 11, 12

Credit: 1.0

The goal of this course is to provide students with an opportunity to learn theory and engage in practical hands on experience. Students will develop job responsibility, initiative, and positive employer-employee relationships. Emphasis will be placed on hands-on in school job training and entry level workplace skill development which may include: following a schedule, time management, efficiency, responsibility, work etiquette, following directions and communicating with coworkers and supervisors. Students may have the opportunity to participate in an off-campus volunteer experience based on student evaluations, opportunity availability and scheduling flexibility.

COOPERATIVE WORK TRAINING

Course #01770

Prereq: Director placement

Level: 9, 10, 11, 12

Credit: 1.0

Students are employed in the local community for a minimum of ten to a maximum of twenty five hours per week. Students are evaluated cooperatively by the employer and teacher on a quarterly basis. ***Pass/Fail grades are issued for this course.***

Department Chairperson Mr. John Madden

The Department of Family & Consumer Sciences is concerned with enhancing the social, intellectual, economic, aesthetic, and physical well-being of both individuals and families. The courses in the department provide students with the basic skills and tools necessary to perform the various functions of the family. Family members will use critical thinking skills to analyze the effects of technology and its multitude of new resources and products on the family. Courses in this department offer opportunities for creative expression and personal fulfillment as well as employment skills. Elective Arts credit is given for all Family and Consumer Sciences courses

Family & Consumer Sciences related careers and the suggested course sequencing:

CAREER	APPLICABLE COURSES
Architect Interior Designer Construction Project Manager Historical Restoration	Architectural Design & Housing
Dietitian Chef/Baker Hotel/Restaurant Management Food Sales and Marketing	Foods & Nutrition Culinary 2 Bakery and Pastry Arts Chef & Restaurant
Fashion Designer/Buyer Fashion Display/Illustrator Tailor/Alterations/Seamstress	Fashion Merchandising & Design Creative Sewing Creative Sewing II
Social Worker Teacher Preschool Teacher Child Care Worker	Child Care & Development Understanding Relationships Invitation to Teach

<u>Course Title</u>	<u>Course No.</u>	<u>Prerequisite</u>	<u>Credit</u>	<u>Levels</u>
Exploring Family & Consumer Sciences	06500	No	1.0	9-12
Foundations Cooking	01722	Yes	0.5	9-12
Applied Social Communication	01860	Yes	.5	9-12
Culinary 1	06501	No	0.5	9-12
Culinary 2	06522	Yes	0.5	9-12
Bakery and Pastry	06511	Yes	0.5	9-12
Clothing Construction 1	06552	No	0.5	9-12
Clothing Construction 2	06562	Yes	0.5	10-12
Interior Design & Housing	06621	No	0.5	9-12
Chef and Restaurant	06532	Yes	0.5	10-12
Child Care & Development	06581	No	0.5	10-12
Fashion Merchandising & Design	06571	No	0.5	9-12
Personal Relationships	06611	No	0.5	11-12
Invitation to Teach	06595	Yes	1.0	12
Invitation to Teach w/honors option	06585	Yes	1.0	12
Senior Foods	06541	No	0.5	12

INTERIOR DESIGN & HOUSING**Course #06621**

Prereq: none

Level: 9, 10, 11, 12

Credit: 0.5

Supply fee: \$10

In this project-oriented class students learn to apply the elements and principles of design to architecture and interior spaces. Students explore the development of housing styles as well as identifying furniture styles, designing kitchen layouts and creating beautiful living areas. The final project involves designing a dream home including architectural drafting techniques, floor plans, arranging furniture and decorating with samples of paint, wallpaper and carpet. Interior Design & Housing is for personal enjoyment and creative expression as well as career preparation.

Suggested concurrent or follow-up class: Pre-Engineering I

EXPLORING FAMILY & CONSUMER SCIENCES**Course #06500**

Prereq: none

Level: 9, 10, 11, 12

Credit: 1.0 (0.5 Consumer Educ., 0.5

Applied Arts)

Supply fee: \$15

This survey class introduces the student to all areas of Family & Consumer Sciences: consumer economics, culinary, sewing, design and human development. Projects and practical hands-on applications actively involve the students. This course will prepare students for future semester courses in Family & Consumer Sciences. Successful completion of this course fulfills the ISBE's Consumer Education requirement for graduation. Must complete the entire year to receive consumer education credit.

FOUNDATIONS FOODS**Course #01722**

Prereq: Director placement

Level: 9, 10, 11, 12

Credit: .5

This course explores foundational cooking skills and concepts that can be applied in daily life. An emphasis will be placed on safety, sanitation, reading a recipe, proper selection and use of culinary equipment, independent meal preparation and nutritionally sound food choices. Foundations of Cooking is designed to meet the needs of students with a variety of physical, cognitive, or social needs. Lab work will focus on organization and teamwork. In addition, the course offers a smaller class size to make appropriate individualized instruction.

APPLIED SOCIAL COMMUNICATION**Course #01860**

Prereq: Director placement

Level: 9, 10, 11, 12

Credit: .5

This course is also offered as 01860H for students in the Haven program and 01860P for students in the Program Success Program.

The Social Communication class is meant for students who have an identified need in the area of pragmatic language and social interaction skills. The class focuses on explicitly teaching social and emotional vocabulary, problem solving, conversation skills, and other pertinent skills aimed at helping students communicate effectively and appropriately with others. The curriculum is based on Michelle Garcia Winner's Social Thinking approach. The long term goal for the class is to help students learn and utilize social skills so they can be successful in social relationships, classroom environments, and job settings currently and in the future. This course is a pass/fail course.

CULINARY 1**Course #06501**

Prereq: none

Level: 9, 10, 11, 12

Credit: 0.5

Supply fee: \$20

Culinary 1 is designed to teach basic food preparation skills utilizing various types of culinary equipment and a range of preparation and cooking techniques. The following areas of study are covered in this course: measuring, knife skills, cooking methods, nutrition and various culinary specific units. Lab periods provide practical experiences in time management, equipment use, food preparation skills and serving meals. While this course provides personal enrichment, it may also serve as a foundation for further training to culinary arts. Culinary 1 Students **cannot receive credit** for both Culinary 1 and Senior Foods. **Suggested follow-up classes: Culinary 2, Bakery & Pastry**

CULINARY 2**Course #06522**

Prereq: Culinary 1 or Senior Foods

Level: 9, 10, 11, 12

Credit: 0.5

Supply fee: \$20

This course, a continuation of Culinary 1, provides training in advanced techniques of food preparation. Students prepare a variety of recipes, while enriching their personal culinary skills. Units of study includes pasta, pastries, sauces and main dishes. This course serves as a foundation for further training culinary arts.

BAKERY AND PASTRY***Course #06511***

Prereq: Culinary 1 or Senior Foods

Level: 9, 10, 11, 12

Credit: 0.5

Supply fee: \$20

This course provides focused training in the culinary field of European baking techniques. Focus will be on ingredients, preparation methods and finishing techniques. Units will include sanitation, metric measuring, breads, pastries and display techniques. This course is designed for personal skill development as well as a base for further culinary training. Culinary 1

Suggested follow-up classes: Chef & Restaurant, Culinary 2.

CHEF AND RESTAURANT***Course #06532***

Prereq: Culinary 1 or

Senior Foods AND teacher approval

Level: 10, 11, 12

Credit: 0.5

Supply fee: \$20

This course is designed for students curious about hospitality related careers and/or careers in the culinary industry. Students will operate culinary businesses through various aspects of food service including front of the house and back of the house job tasks. They will apply culinary knowledge such as knife skills, cooking methods, and baking and pastry skills as they prepare, plate and serve gourmet meals in this fast paced, real world work environment. Activities include menu selection, recipe testing, cost analysis, table settings, meal preparation, meal service and commercial safety and sanitation techniques

While Culinary 2 is not required as a prerequisite for enrollment, it is strongly recommended.

SENIOR FOODS***Course #06541***

Prereq: none

Level: 12

Credit: 0.5

Supply fee: \$20

Do you want to learn how to cook before going to college or living on your own? Senior Foods is designed to give students an overview of meal preparation and nutrition. Emphasis is on nutrition, food preparation, meal planning and food purchasing. Lab periods provide experiences in time management, equipment use and food preparation techniques. Students **cannot receive credit** for both Culinary 1 and Senior Foods

Suggested follow-up classes: Culinary 2, Bakery & Pastry Arts.

CLOTHING CONSTRUCTION I***Course #06552***

Prereq: none

Level: 9, 10, 11, 12

Credit: 0.5

Supply fee: \$10

This course is for students interested in sewing for practical purposes, personal enjoyment and/or to develop skills to be used in careers related to clothing construction, fashion merchandising, design and retail. Students will complete individual projects. Garment construction projects will increase in difficulty as students attain skills through the use of various technologies. Sequencing of the course includes basic sewing machine techniques, fabric and pattern selection, interpreting pattern instructions, construction techniques (darts, zippers, hems, buttons, applying interfacing, etc.).

Suggested follow-up classes: Fashion Merchandising & Design, Clothing Construction II

Students are required to purchase materials for this class.

CLOTHING CONSTRUCTION II***Course # 06562***

Prereq: Creative Sewing

Level: 10, 11, 12

Credit: 0.5

Supply fee: \$10

This course focuses on advanced sewing techniques with various projects chosen by the student and approved by the instructor. Areas of study may include textile arts, tailoring, formalwear, serging techniques and fashion design. Each project incorporates new clothing construction skills based on student preferences and abilities. Suggested follow-up class: Fashion Merchandising & Design. Suggested **follow-up class: Fashion Merchandising & Design.**

Students are required to purchase materials for this class.

FASHION MERCHANDISING & DESIGN***Course #06571***

Prereq: none

Level: 9, 10, 11, 12

Credit: 0.5

Supply fee: \$20

This course is designed to allow students to explore and understand the various aspects of the fashion industry. Areas of study include the evolution of fashion, fashion trends and design, advertising, merchandising, and retail functions. Creative projects involving fashion design/sketching, and visual displays. This course serves as a foundation for further training in fashion related occupations, as well as provides opportunities for personal enrichment.

Suggested concurrent or follow-up class: Clothing Construction I

CHILD CARE & DEVELOPMENT**Course #06581**

Prereq: none

Level: 10, 11, 12

Credit: 0.5

This course is designed for students who enjoy working with, or plan to work with, children. Areas of study include family planning, pregnancy and childbirth, child development from newborn through early childhood, and preparing learning activities for our preschool practicum. Students will teach and observe children in our Preschool Lab as an integral part of the program. This course helps prepare students for careers in child-related fields, including teaching.

Suggested follow-up class: Invitation to Teach or Personal Relationships.

PERSONAL RELATIONSHIPS**Course #06611**

Prereq: none

Level: 11, 12

Credit: 0.5

This course is designed to help the student understand the challenges of our society, develops the student's ability to cope with problems and make mature decisions. The course focuses on the application of sociology and psychology concepts to the students' personal life. Areas of study include: theories of personality development, family relationships, crisis in the family, communication skills, dating, marriage and parenting.

Suggested follow-up class: Child Care & Development

INVITATION TO TEACH**Course #06595**

Prereq: Students signing up for Invitation to Teach will need to fill out an application (available in FACS office 152A or from the School Counselor) and must be in good academic standing.

Previously taken or concurrent enrollment in Child Care & Development is recommended

Level: 12

Credit: 1.0

This course offers a teaching internship, enabling students to work under the supervision of certified preschool, elementary and middle school staff. Once placed, the students will spend four days each week at their assigned schools to assist, observe and teach young children. Teaching responsibilities include journaling, observing, creating a visual display, creating and teaching lessons, and shadowing a teacher for a day. Classroom study is focused on related issues in education including meeting the needs of a diverse student population and classroom management technology within the classroom and current topics in education. Highly recommended for anyone pursuing a career working with children in any capacity.

Applications available in FACS office (152A) or from the School Counselor.

Personal transportation preferred, however carpooling is possible

Course #06585 w/honors option: Invitation to Teach w/honors option offers a more advanced teaching experience at a local elementary or middle school. Students will spend four days a week at the assigned school working under the supervision of certified staff collaborating with their mentor teacher and high school teacher to determine mutually agreed upon projects that will create a more in-depth experience for the student. Projects may include creating classroom teaching tools, research, tutoring, or interviews. Students who register for the course should have leadership ability, be organized, and be a goal setter who reaches their goals.

Applications available in FACS office (152A) or from the School Counselor.

Personal transportation preferred, however carpooling is possible.

INVITATION TO TEACH w/Honors**Option****Course #06585**

Prereq: Students signing up for Introduction to Teaching w/Honors Option will need to fill out an application (available in FACS office 152A or from the School Counselor) and must be in good academic standing.

Previously taken or concurrent enrollment in Child Care & Development is recommended

Level: 12

Credit: 1.0

Department Chairperson

Mr. John Madden

The Technology Education Department offers two areas of study which include design/drafting (CAD) and woodworking. These courses are laboratory classes which provide skills, such as problem solving and group work, necessary to adult life. Technology courses fulfill the practical arts graduation requirement. If you are interested in engineering, architecture, or construction management, you should enroll in the computer aided design and/or woods sequence. A fee is charged to cover the cost of materials for project work. Technology Education is a continuously growing and changing field of study. The Technology Education curriculum at Hinsdale South will give students the latest information necessary to prepare for their post-secondary education or for careers in these fields. Elective Arts credit is given for all Technology Education courses.

Please see Course Description for detailed prerequisites.

<u>Course Title</u>	<u>Course No.</u>	<u>Prerequisite</u>	<u>Credit</u>	<u>Levels</u>
Pre-Engineering I	06741	No	0.5	9-12
Pre-Engineering I w/honors option	06731	Yes	0.5	9-12
Pre-Engineering II	06751	Yes	0.5	9-12
Pre-Engineering II w/honors option	06761	Yes	0.5	9-12
Architecture & Design	06730	Yes	1.0	10-12
Architecture & Design w/honors option	06710	Yes	1.0	10-12
Engineering & Design	06721	Yes	0.5	10-12
Engineering & Design w/honors option	06711	Yes	0.5	10-12
Advanced Engineering and Architectural Modeling	06700	Yes	1.0	11-12
Advanced Engineering and Architectural Modeling w/Honors Option	06720	Yes	1.0	11-12
Woods I	06771	No	0.5	9-12
Woods II	06780	Yes	1.0	10-12
Woods III	06790	Yes	1.0	11-12

PRE-ENGINEERING I

Course #06741

Prereq: none

Level: 9, 10, 11, 12

Credit: 0.5

Course #6741: This introductory course to computer aided design covers practical drafting and problem-solving skills. Most work will be done on the computers using AutoCAD by Autodesk through the introduction of two and three-dimensional problems. Some manual sketching will be introduced during the drawing process. ***This course is also run as a Dual Credit class with Moraine Valley Community College with the possibility of 4 hours of college credit.***

PRE-ENGINEERING I

w/honors option

Course #06731

Prereq: Teacher approval

Course #06731 w/honors option: *Pre-Engineering I w/honors option* is recommended for the highly motivated student, especially those interested in pursuing a career in the field of Engineering. This course to computer aided design covers practical drafting and problem-solving skills. Students will be introduced to computer aided design using AutoCAD, Inventor, and REVIT for two and three-dimensional problems. It is a hands-on course, which covers information on a basic level to understanding the concepts and commands necessary to create, edit, and plot drawings. ***This course is also run as a Dual Credit class with Moraine Valley Community College with the possibility of 4 hours of college credit.***

PRE-ENGINEERING II

Course #06751

Prereq: Pre-Engineering I

Level: 9, 10, 11, 12

Credit: 0.5

Course #06751: This follow-up course to Pre-Engineering I will enable students to develop more advanced techniques in computer aided design through three-dimensional modeling problems and more advanced two-dimensional drawing and dimensioning. The capstone project will be solid modeling and presentation drawings of an engineering concept. AutoCAD will be used for most of this course. ***This course is also run as a Dual Credit class with Moraine Valley Community College with the possibility of 3 hours of college credit.***

PRE-ENGINEERING II

w/honors option

Course #06761

Prereq: Pre-Engineering I &

Teacher approval

Course #06761 w/honors option: While using AutoCAD, Inventor, and REVIT, *Pre-Engineering II w/honors option* enables a student to develop more advanced techniques in computer aided design through an in-depth study of two- and three-dimensional modeling, drawing and dimensioning problems. Students will develop a presentation of an engineering field they are interested in. A capstone project will be solid modeling and presentation drawings of an engineering concept. ***This course is also run as a Dual Credit class with Moraine Valley Community College with the possibility of 3 hours of college credit.***

ARCHITECTURE & DESIGN

Course #06730

Prereq: Pre-Engineering II

Level: 10, 11, 12

Credit: 1.0

Course #06730: This course will introduce students to residential architecture. Students will learn the technical information necessary to draw a set of blueprints for a single-family home. The first semester project will consist of planning and designing a complete set of prints using industry standards as examples. The second semester will be devoted to constructing a scale model using basswood and a three-dimensional model using Revit of the home designed. Information regarding building and contracting a home will be used to help understand residential construction in the Midwest.

ARCHITECTURE & DESIGN

w/honors option

Course #06710

Prereq: Pre-Engineering II

Level: 10, 11, 12

Credit: 1.0

Course #6710 w/honors option: The core material for this course is similar to Architecture & Design course #06730, however, projects and assessments will involve more depth, complexity, and rigor. Expectations for this course are much higher and will require additional time outside of class. This course is highly recommended for motivated students planning to enter a college engineering program or architecture program.

ENGINEERING & DESIGN

Course #06721

Prereq: Pre-Engineering II

Level: 10, 11, 12

Credit: 0.5

Course #06721: This course provides students with technical information necessary to plan and design products for industry. The students will plan, research, design, create, and test products to improve the efficiency of advanced applications. In addition, students will learn how to render their projects to present their ideas to employers. *This course is also run as a Dual Credit class with Moraine Valley Community College with the possibility of 3 hours of college credit.*

ENGINEERING & DESIGN w/honors option

Course #06711

Prereq: Pre-Engineering II

Level: 10, 11, 12

Credit: 0.5

Course #06711 w/honors option: The core material for this course is similar to Engineering & Design course #06711, however, projects and assessments will involve more depth, complexity, and rigor. Expectations for this course are much higher and will require additional time outside of class. This course is highly recommended for motivated students planning to enter a college engineering program. *This course is also run as a Dual Credit class with Moraine Valley Community College with the possibility of 3 hours of college credit.*

ADVANCED ENGINEERING AND ARCHITECTURAL MODELING

Course #06700

Prereq: Architecture & Design or Architecture & Design w/honors option **and** Engineering & Design or Engineering Design w/honors option.

Level: 11, 12

Credit: 1.0

Course #06700: This is the culminating course in our Technology Education program. Students will have additional challenges as they are introduced to several 3D modeling software programs. Students will be required to use the skills learned in both their engineering and architecture courses as they make the transition from 2D to 3D.

ADVANCED ENGINEERING AND ARCHITECTURAL MODELING w/Honors Option

Course #06720

Prereq: Architecture & Design or Architecture & Design w/honors option **and** Engineering & Design or Engineering & Design or Engineering Design w/honors option.

Level: 11, 12

Credit: 1.0

Course #06720 w/honors option: The core material for this course is similar to Advanced Engineering and Architectural Modeling, however, projects and assessments will involve more depth, complexity, and rigor.

WOODS I

Course #06771

Prereq: none

Level: 9, 10, 11, 12

Credit: 0.5

Supply fee: \$45

Course #06771: This introductory course to modern woodworking will allow students to help plan, design, and create at least three assigned wood projects using various types of wood. In addition students will develop and practice safety in a wood shop laboratory.

WOODS II

Course #06780

Prereq: Woods I & teacher approval

Level: 10, 11, 12

Credit: 1.0

Supply fee: \$125

Course #06780: This follow-up course to Woods I will allow students to further their knowledge of woodworking by planning and building more advanced projects. In addition, students will use more technical set-ups to build four projects: three assigned and one student choice.

WOODS III***Course #06790***

Prereq: Woods II & teacher approval

Level: 11, 12

Credit: 1.0

Course #06790: This is an advanced woodworking course utilizing all of the information from Woods I and II. Students will design, plan and build a project of their own, consistent with their abilities, interest, and time. In addition, students will have the opportunity to design and build projects for Hinsdale South High School. A fee will be applied as needed depending on projects built.