

























CAREER DEVELOPMENT

Career Development Catalog - 2024/2025



Thornton Fractional District 215

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A Message From Our Superintendent



Greetings Thornton Fractional District 215 Students, Parents, Staff, and Community,

As Superintendent of Schools, I am proud to emphasize how District 215 staff and students are moving towards achieving successful outcomes as it relates to career development. New and existing programming has paved the way to ensure that students are engaging in career preparation and development, attaining hands on training in high skills, high demand areas of our labor market, and obtaining employability in their preferred career pathways. I am proud to say with the intentional practices of our equity initiatives, we have expanded opportunities for students with new programs and enhanced existing ones.

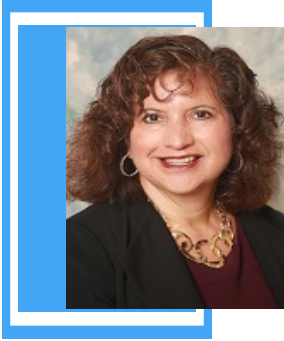
Our continued focus is on increasing opportunities for students to attain education for employment through career and technical courses, dual and concurrent enrollment programs, certifications, community partnerships, and career pathway development. The Career Development Team has also worked diligently on developing work-based learning initiatives by partnering with local workforce organizations, providing industry recognized certifications/licenses and career preparation opportunities for our Thornton Fractional High School District 215 students.

This Career Development Catalog has valuable information about many of the college and career pathway opportunities that we offer to our students in District 215. I encourage you to use this guide to explore the variety of career pathways of interest and become familiar with what District 215 has to offer. District 215 has a vested interest in educating our students for employment and providing them with high-quality skills to become successful in their career pathway of choice.

A handwritten signature in black ink that reads "John M. Robinzine".

John M. Robinzine
Interim Superintendent
Thornton Fractional High School District 215

Administrative Team



Teresa Bishop
Executive Director of Finance



Becky Szuba
Assistant Superintendent of
Teaching & Learning



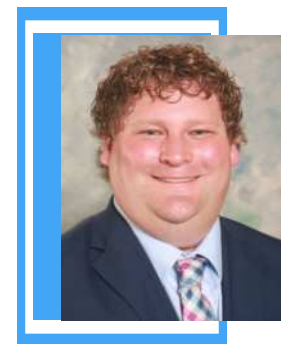
Rena Whitten
Assistant Superintendent of
Student Services & Equity



April Jerger
Executive Director of
Human Resources



La Quesha Martin-Dean
Director of Teaching
& Learning



Paul Wakefield
Director of Information &
Technology



Timothy Stephan
Director of Facilities



Carol Brooks
Director of Career &
Technical Education



Ray Williams
Principal, Center for
Academics & Technology,
Center for Alternative
Learning



Brian Rucinski
Principal
T.F. North High School



Jake Gourley
Principal
T.F. South High School

Career Development Department

Thornton Fractional District 215

With the growing demands from the Illinois State Board of Education to prepare students for high-skill, high-demand careers, the Career Development Department is dedicated to addressing the career technical education needs of our students. Our goal is to increase employability for our Thornton Fractional High School District 215 students.

Carol Brooks
Director of Career &
Technical Education

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Wendy Bivins
Career Development
Coordinator &
Counselor

Email: wbivins@tfd215.org
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Rosalind Scaife
Early College &
Career Coordinator

Email: rscaife@tfd215.org
Phone: 708-585-1150



Cassandra Dorsey
Executive Assistant for
Career Development

Email: cdorsey@tfd215.org
Phone: 708-585-1132





THORNTON FRACTIONAL NORTH

Christin Passarelli - Assistant Principal of PPS
Counselors

Ms. Allison Braasch (A-D)

Ms. Juanita Medina (E-K)

Ms. Lauri Like (L-Ri)

Ms. Susan Olson (Ro-Z)

THORNTON FRACTIONAL SOUTH

John O'Rourke - Assistant Principal of PPS

Counselors

Mr. Matt Johnson (A-C)

Ms. Nicole Burk (D-He)

Mr. Jeff Majewski (Hf-Me)

Ms. Angela Shama (Lef-Os)

Ms. Marcia James (Ot-Sm)

Ms. Liliana Riordan (Sn-Z)



THORNTON FRACTIONAL CENTER
FOR ACADEMICS & TECHNOLOGY

&

THORNTON FRACTIONAL CENTER
FOR ALTERNATIVE LEARNING



Dawn Walker - Assistant Principal of PPS

Counselor

Ms. Tameka Fowler

Why Should I Use This Catalog?



You can know what options you have for your post-secondary career path.



You can review courses from the Career Development Department that may be of interest to you.



You can begin to merge our coursework with your educational goals for the future.



STEPS FOR USING THIS CAREER CATALOG



Review your options by reading through this career guide and the course descriptions.

1

2

Talk to your counselor and your parents/guardians.



Select your courses and then let your counselor know during the course selection process.

3

What Does It Mean To Be College & Career Ready?

College and Career Ready

1. GPA: 2.8/4.0
2. 95% attendance in high school junior and senior year
3. **EITHER**
 - (A) College and Career Pathway Endorsement under Postsecondary and Workforce Readiness Act **OR**
 - (B) All of the following:
 - One academic indicator in each of ELA and math during junior/senior year (or Algebra II at any time)
 - Identify a career area of interest by the end of the sophomore year
 - Three career readiness indicators during junior/senior year

ELA

Academic Indicators

Math

- ELA Advanced Placement (AP) Exam (score of 3 or Higher)
- ELA AP Course (Grade of A, B, or C)
- Dual Credit English Course (Grade of A, B, or C)
- International Baccalaureate (IB) ELA Course (Grade of A, B, or C)
- IB Exam (Score of 4 or higher)
- Transitional English Grade (Grade of A, B, or C)
- Minimum ACT Subject Scores of English: 18 and Reading: 22
- Minimum SAT Subject Score of Evidence-Based Reading and Writing: 540

- Math AP Exam (Score of 3 or higher)
- Math AP Course (Grade of A, B, or C)
- Dual Credit Math Course (Grade of A, B, or C)
- IB Math Course (Grade of A, B, or C)
- IB Exam (Score of 4 or Higher)
- Transitional Math Course (Grade of A, B, or C)
- Algebra II (Grade of A, B, or C)
- Minimum ACT Subject Score Math: 22
- Minimum SAT Subject Score of Math: 540 and Math Course in Senior Year



Career Readiness Indicators

- Career Development Experience
- Military Service or ASVAB Score of 131 or Higher
- Dual Credit Career Pathway Course (College Credit earned)
- Attaining & Maintaining Consistent employment for a minimum of 12 months
- Industry Credential
- Completion of a Program of Study
- Consecutive Summer Employment
- 25 hours of Community service
- Two or more Organized Co-curricular Activities

Academic Pathway

Advanced Placement (AP)



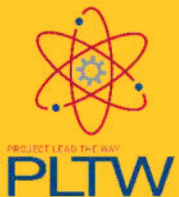
There are a variety of advanced placement courses available to choose from. Taking an advanced placement course will give you an introduction to the rigor of a college-level course. This will give you the experience and preparation needed to be successful when you matriculate to the college level.

Dual Credit



Dual Credit enrollment are courses that you take during your regular day at high school. They are college-level courses taught by your high school teachers who have met the requirements to teach at the collegiate level for a specific course. Taking and passing a dual credit course will allow you to gain college credit while still in high school. Through a partnership with South Suburban College we are able to offer a variety of dual credit courses which you can find listed in this guide.

Project Lead the Way



Project Lead the Way is a program that focuses on applying engineering, science, math, and technology to solve complex, open-ended problems in a real-world context. Students will explore the engineering design process and use a problem-solving model to improve existing products and invent new ones. Students will work both individually and in teams to design solutions to a variety of problems, using three-dimensional modeling software.

Seal of Biliteracy



The State Seal of Biliteracy is a recognition given by a district/school to graduating high school students who have demonstrated a high level of proficiency in English and in reading, writing, listening, and speaking in another language.

South Suburban College



District 215 has partnered with South Suburban College to offer this unique opportunity for our senior students. Seniors have an opportunity to earn up to 18+ college credits tuition free or at a reduced tuition cost.

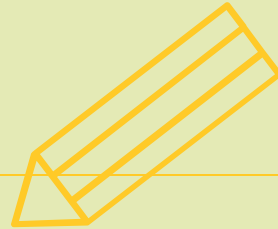
Students' first course at SSC is TUITION FREE (fees and books not included). Students who choose to take a second course in the same semester will pay only 1/3 of the tuition. SSC discounts the tuition by 1/3 and District 215 pays 1/3 of the tuition.

Students earning an A or B in one of the courses can then enroll in the next semester for an additional course tuition free and a second course at the reduced tuition rate. A senior student at District 215 can graduate with potentially 18 college credits already completed.

Resources Available

College & Career Readiness Center

The career readiness center is available to you to assist you with the process of finding your career path. There you can find guidance and resources to help you throughout your high school years.



Career Speaker Series

You can sign-up to attend career speaker presentations from individuals in a variety of professions. Listening to these speakers will give you personal insight into careers that you may have an interest in.

College Visits

There are many opportunities to sign up to speak to college representatives when they visit your campus. Be sure that you are checking in with your counselor regularly to find out about these visits.



CTE Showcase

At the beginning of second semester, District 215 will host a CTE Showcase to help you gain knowledge about the courses and programs we offer at each campus.

Take advantage of the many resources available here at District 215 to help guide you on the path to your post-secondary career.

NAVIANCE

Naviance is a college and career platform that helps students understand their interests, strengths, and needs. This allows for individualized support to help students reach their career and educational goals.



NAVIANCE

College and Career Planning Tools

COLLEGE READINESS



NAVIANCE & COLLEGE READINESS

Through Naviance students can use the SuperMatch tool. This college search tool makes it easy for students to explore their options and discover colleges that are a match with their academic profile and a fit with what they're looking for in a college experience.

Naviance is also equipped with an Advanced College Search tool. This search tool allows students to answer a series of optional questions to narrow down their college choices to their top ones.



NAVIANCE & CAREER READINESS

- ✓ Naviance will help students match potential career paths to their strengths and interests. Through Naviance they will explore careers they are interested in, learn about career requirements, and also the wages that those careers demand.
- ✓ Students will also build a professional resume and have access to tools that will put them on the path to success in the professional world.

Career Readiness

STUDENT PATHWAYS



WHILE IN HIGH SCHOOL

- Explore various CTE pathways by taking CTE courses
- Earn Certifications & Dual Credits



AFTER HIGH SCHOOL

- Earn additional certifications
- Complete Associates Degree
- Find employment in pathway

Our Career Development program offers a variety of options to help students find their path to post-secondary life.

That path may lead you towards preparing for college by taking dual enrollment courses or you may decide to go into a trade and earn their certification upon the completion of a program during their tenure at District 215.

Students can also take courses that will gain them industry-standard certifications that will make them more marketable when joining the workforce.

Whatever path is chosen, District 215's Career Development staff & counselors are here to guide students along the way.

STUDENT PATHWAYS

WORKFORCE

- Use your certificates and credentials to go right into the workforce.
- Earn additional certifications



CONTINUE YOUR EDUCATION

- Earn your Bachelor's degree at a 4-year university
- Specialize in your career pathway

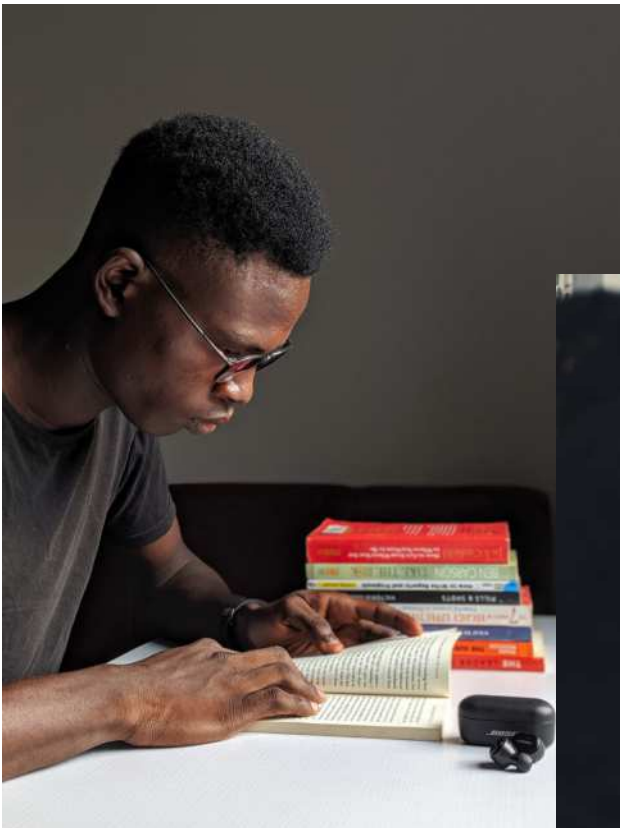


Dual Credit Courses

Dual Credit courses offer you the opportunity to earn college credit for successfully completing a course at the high school level.

In addition to earning college credit, dual credit courses offers you several benefits:

- You will have first-hand exposure to college-level work while still in high school.
- You can begin college with credits earned while you were in high school.
- You will have a smoother transition to college after the completion of high school due to the preparation, a dual credit course will provide you.



Dual Credit Courses



Thornton Fractional District 215 Dual Credit Offerings



WHAT IS THE DUAL CREDIT PROGRAM?

Students enrolled in any of the courses listed to the right are eligible to earn college credit.

Checklist for earning college credit for FREE:

1. Complete the dual credit registration form in class.
2. Provide accurate information, such as mailing address, email & phone number.
3. Finish your high school course with a grade of a "C" or higher.

Earning free college credit is as easy as

1, 2, 3!

See your counselor to sign up for a dual credit course at the high school.

Any questions regarding the Dual Credit Program please contact:

Mrs. Rosalind Scaife
Early College & Career
Coordinator
rscaife@tfd215.org or
708.585.1150

21st Century Entrepreneurship

- ✓ SSC Course: BUS 130 – Starting Your Own Small Business - 4 College Credits

Accounting

- ✓ SSC Course: ACC 120 – Accounting Cycle, Analysis & transactions - 4 College Credits

Anatomy

- ✓ SSC Course: HIT 102 – Fundamental terms relating to disease & disorders - 1 College Credit

Barbering I

- ✓ SSC Course: BAR 101 – Introduction to Barbering - 2 College Credits
- ✓ SSC Course: BAR 102 – Art of Barbering I - 2 College Credits
- ✓ SSC Course: BAR 103 – Salon Operations - 4 College Credits
- ✓ SSC Course: BAR 113 – Salon Operations II - 4 College Credits
- ✓ SSC Course: BAR 202 – Art of Barbering III - 2 College Credits
- ✓ SSC Course: BAR 212 – Advanced Barbering I - 2 College Credits

Barbering II

- ✓ SSC Course: BAR 112 – Art of Barbering II - 2 College Credits
- ✓ SSC Course: BAR 114 – Barber Styling - 2 College Credits
- ✓ SSC Course: BAR 203 – Art of Barbering III - 4 College Credits
- ✓ SSC Course: BAR 210 – Chemical Services I - 2 College Credits
- ✓ SSC Course: BAR 213 – Advanced Salon Operations I - 4 College Credits
- ✓ SSC Course: BAR 220 – Chemical Services II - 2 College Credits
- ✓ SSC Course: BAR 223 – Advanced Salon Operations II - 4 College Credits
- ✓ SSC Course: BAR 225 – Barber Management - 2 College Credits

Building Construction II

- ✓ SSC Course: BLD 101 – Construction Materials & Methods I Wood - 4 College Credits

Business Writing & Technical Concepts I & II

- ✓ SSC Course: MIS 101 – Computer Literacy and Applications - 3 College Credits
- ✓ SSC Course: OAT 100 – Basic Keyboarding Skills - 1.5 College Credits

Electricity II

- ✓ SSC Course: BLD 206 2 – Construction Material & Methods for Electrical - 4 College Credits

Engineering II

- ✓ SSC Course: CAD 299 – Topics in Computer-Aided Design – 4 College Credits

Foundations to Teaching

- ✓ SSC Course: Edu 110 – Historical & philosophical roots of the edu system - 3 College Credits

Health

- ✓ SSC Course: HLT 101 – Basic factors that influence the health of the individual - 2 College Credits

Microsoft Office Technology

- ✓ SSC Course: MIS 101 – Computer Literacy and Applications - 3 College Credits

Project Lead the Way

- ✓ SSC Course: CAD 100 – Introduction to CADD - 1.5 College Credits
- ✓ SSC Course: CAD 101 – Basic Drawing & Design - 2 College Credits

South Suburban College Dual Enrollment Step-up Program

SOUTH SUBURBAN COLLEGE STEP-UP PROGRAM

Seniors have an opportunity to earn up to 12 college credits tuition-free or at a reduced tuition cost. District 215 has partnered with South Suburban College to offer this unique opportunity for our senior students. Students' first course at SSC is tuition free. If a student chooses to take a second course in the same semester, they will pay only 1/3 of the tuition. SSC discounts the tuition by 1/3 and District 215 pays 1/3 of the tuition. Students earning an A or B in one of the courses can enroll in the next semester for one course tuition-free and a second course at the reduced tuition rate. A senior student at District 215 can graduate with potentially 12 credits already completed!

***STUDENT FEES AND BOOKS ARE TO BE PAID FOR BY THE STUDENT/PARENT**

BENEFITS:

- ✓ **Earn up to 12 tuition-free or reduced tuition college credits**
- ✓ **Ability to have an early release period**
- ✓ **Gain college experience while in high school**
- ✓ **Earn college credits now at a free or reduced cost & save money**



SENIORS ONLY!

Chicago State University Dual Enrollment Program



CHICAGO STATE UNIVERSITY

Dual Enrollment

Juniors & Seniors can receive college credits from **Chicago State University** before graduating from high school by taking classes at CSU in the evenings or online.

Requirements

- Junior or Senior in high school
- GPA 2.75 or higher
- Submit an official transcript
- Signed parental consent form
- Signed counselor recommendation form
- A completed CSU application

The class is **FREE** (tuition & fees)! Students only have to pay for their textbooks.



CHICAGO
STATE

Graduation Requirements

Graduation from a Thornton Fractional Township High School requires that a student successfully completes 23 credits.

English	4 credits
Social Studies	3 credits
Science	2 credits
Math	3 credits
P.E.	3.5 credits
Health	0.5 credits
Electives	7 credits

Total Required **23 credits**

Of the 23 minimum credits required for graduation, 19 credits must be in courses other than Physical Education and Driver Education. Students must enroll in P.E. each semester during the regular school year unless they are enrolled in Driver Education, Health, or received a valid P.E. waiver.

To graduate from high school, unless otherwise exempted, each student is responsible for:

1. Completing all District graduation requirements that are in addition to the State requirements.
2. Completing all courses as provided in the School Code, 105 ILCS 5/27-22.
3. Completing all minimum requirements for graduation as specified in State law.
4. Passing an examination on patriotism and principles of representative government, proper use of the flag, methods of voting, and the Pledge of Allegiance.
5. Participating in State assessments that are required for graduation by State law.
6. Filing one of the following: (1) a Free Application for Federal Student Aid (FAFSA) with the U.S. Dept. of Education, (2) an application for State financial aid, or (3) an Ill. State Board of Education (ISBE) waiver form indicating that the student understands what these aid opportunities are and has chosen not to file an application. If the student is not at least 18 years of age or legally emancipated, the student's parent/guardian must file one of these documents on the student's behalf. A student is exempt from this requirement if: (1) the student is unable to file a financial aid application or an ISBE waiver due to extenuating circumstances, (2) the Building Principal attests the District made a good faith effort to assist the student or the student's parent/guardian with filing a financial aid application or an ISBE waiver form, and (3) the student has met all other graduation requirements

Sample Student Schedule by Grade

Grade 9	Grade 10	Grade 11	Grade 12
English 9/ Honors English 9	English 10/ Honors English 10	English 11/ Honors English 11/ AP Language & Composition	English 12/ AP Literature
Algebra I/ Honors Algebra I	Geometry/ Honors Geometry	Algebra II/ Honors Algebra II	Math Course recommended
Biology/ Honors Biology	Chemistry/ Honors Chemistry	Earth Science/ Physics/ Anatomy & Physiology	Science or Elective
World History/ Honors World History/ AP Human Geography (Grades 9-12)	U.S. History/ Honors U.S. History	Economics/Civics Honors Economics/Civics	Elective
P.E./Health	P.E./Drivers Ed	P.E.	P.E.
Elective	Elective	Elective	Elective

The above sample schedule by grade can vary by student based on AP/Honor classes & chosen electives. CTE electives are listed in the upcoming pages. Students should always speak to their counselors to ensure their schedules meet the school and state graduation requirements.

District 215

Students interested in a pathway should take the recommended courses below.

Accounting

Business Writing & Technical Concepts I & II
21st Century Business Communications
Accounting I
Work Program Interrelated Cooperative Education (ICE)



Administrative Assistant

Business Writing & Technical Concepts I & II
21st Century Business Communications
Microsoft Office Technology



Automotive

Introduction to Automotive
Automotive Technology I
Automotive Technology II



Barbering

Barbering I
Barbering II



Childcare

Introduction to Childcare
Childcare Practicum I
Foundations to Teaching



Collision

Introduction to Collision
Collision Repair I
Collision Repair II



Computer Science

Business Writing & Technical Concepts I & II
AP Computer Science Principles



Construction

Introduction to Building & Construction
Building & Construction I
Building & Construction II



Cosmetology

Cosmetology I
Cosmetology II



CTE Course Pathways



Introduction to Culinary Arts
Culinary Arts I
Culinary Arts II

Culinary



Foundations to Teaching
Introduction to Childcare
Education Methodology

Education



Electricity I
Electricity II

Electrician



Introduction to Engineering Design
Principles of Engineering

Engineer



Business Writing & Technical Concepts I & II
21st Century Entrepreneurship

Entrepreneurship



Business Writing & Technical Concepts I & II
Graphic Design

Graphic Design



Business Writing & Technical Concepts I & II
Digital Photography

Photography



Introduction to Television Tech
Television Production I
Television Production II

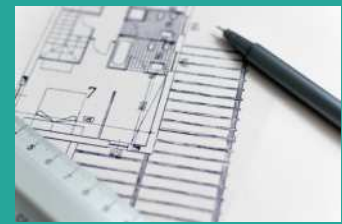
TV Production



Business Writing & Technical Concepts I & II
Coding, APP & Web Development
Advanced Coding, Web & APP Development

Web Page Development

ARCHITECTURE & CONSTRUCTION



The Architecture and Construction career cluster prepares students for careers in designing, planning, managing, building, and maintaining the built environment. People employed in these fields work on new structures, restorations, additions, alterations, and repairs (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School Diploma	Carpenter	\$64,752	4%	30,910
	Construction Equipment Operator	\$81,270	9%	12,420
	Electrician	\$91,733	13%	30,060
	Plumber and Pipefitter	\$98,112	10%	20,380
Certification	HVAC Installer	\$55,282	10%	9,670
	Security & Fire Alarm Installer	\$63,377	15%	1,610
Associate Degree	Architectural & Civil Drafter	\$63,982	0%	2,870
	Civil Engineer	\$99,024	3%	1,870
Bachelor's Degree	Architect	\$82,698	5%	6,900
	Civil Engineer	\$99,024	11%	9,050
	Construction Manager & General Contractor	\$106,325	14%	14,710


Source - Illinois Department of Employment Security, 2022


Construction

Introduction to Building & Construction

Building & Construction I

Building & Construction II





Electricity I

Electricity II

Electrician

BUILDING & CONSTRUCTION/ELECTRONICS



Sample Student Schedule

BLD Cons - Grade 11		BLD Cons - Grade 12		Electricity Grade 11		Electricity Grade 12	
Per 1	Algebra II	Per 1/2	BLD & Cons II	Per 1	English 11	Per 1	English 12
Per 2	Gym	Per 3	Lunch/Travel	Per 2	Electricity I	Per 2	Electricity II
Per 3	English 11	Per 4	Gym	Per 3	Lunch/Travel	Per 3	Lunch/Travel
Per 4	Economics/Civics	Per 5	English 11	Per 4	Gym	Per 4	Gym
Per 5	Lunch/Travel	Per 6	Elective Math recommended	Per 5	Algebra II	Per 5	Elective Math recommended
Per 6/7	Intro to BLD Con/ BLD Con I	Per 7	Elective	Per 6	Econ/Civics	Per 6	Elective
				Per 7	Elective	Per 7	Elective

Schedules may vary by student based on teacher/counselor recommendations. Students must meet all school & state graduation requirements.



Introduction to Building & Construction

Course Length - Semester
Double Period
Grade Level - 11

Building & Construction I

Course Length - Semester
Double Period
Grade Level - 11
Prerequisite: Intro to Building & Construction



Building & Construction II

Course Length - Year Long
Double Period
Grade Level - 12
Prerequisite - Building & Construction I
*College credit available with South Suburban College



Electricity I

Course Length - Semester
Grade Level - 11



Electricity II

Course Length - Year Long
Grade Level - 12
Prerequisite: Electricity I
*College credit available with South Suburban College



ARTS, AV & COMMUNICATION



The AAVTC pathway focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC pathway require a creative aptitude, a strong background in computer and electric-based technology applications, a strong academic foundation in math and science, and proficiency in oral and written communication (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School Diploma	Photographer	\$46,769	6%	3,690
Certification	Sound Engineer Technician	\$42,999	14%	310
	Audio & Video Equipment Technician	\$49,022	24%	3,240
Associate Degree	Graphic Designer	\$51,459	3%	11,380
	Film & Video Editor	\$58,450	13%	1,210
	Web Developer	\$81,463	7%	5,430
Bachelor's Degree	Producer & Director	\$63,009	9%	3,270
	Public Relations Specialist	\$65,831	10%	10,670
	Multi-Media Artist & Animator	\$66,760	6%	1,190
	Writer & Author	\$79,693	4%	4,420

Source - Illinois Department of Employment Security, 2022



AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS



Sample Student Schedule

Grade 10	Grade 11	Grade 12
Per 1 Intro to TV Production	Per 1 TV Production I	Per 1 TV Production II
Per 2 English 10	Per 2 Graphic Design/Digital Photo	Per 2 Graphic Design/Digital Photo
Per 3 P.E./Drivers Ed	Per 3 English 11	Per 3 English 12
Per 4 Lunch	Per 4 Lunch	Per 4 P.E.
Per 5 Geomerty	Per 5 Civics/Econ	Per 5 Lunch
Per 6 Chemistry	Per 6 P.E.	Per 6 Elective
Per 7 U.S. History	Per 7 Algebra II	Per 7 Elective

Schedules may vary by student based on teacher/counselor recommendations. Students must meet all school & state graduation requirements.



Digital Photography

T.F. South Only
 Course Length - Year Long
 Grade Level - 10-12
 Recommend Prerequisite: Art Fundamentals

Graphic Design

Course Length - Year Long
 Grade Level 10-12
 Recommend Prerequisite: Art Fundamentals



Introduction to Television Production

Course Length - Year Long
 Grade Level 9-10

Television Production I

Course Length - Year Long
 Grade Level 10-11
 Prerequisite: Introduction to Television Tech



Television Production II

Course Length - Year Long
 Grade Level 11-12
 Prerequisite: Television Production I



Business Writing & Technical Concepts I & II

Course Length - Year Long
 Grade Level - 9-11

FINANCE & BUSINESS SERVICES



Illinois Finance and Business Services (FBS) aims to build student skills in the following areas: communications, information systems/technology, digital literacy, financial procedures, economics, entrepreneurship, international business, principles of management and law, interpersonal and leadership skills, career development, marketing, and many, many more (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School Diploma	Insurance Claims & Policy Clerk	\$39,556	%0	10,050
Associate Degree	Bookkeeping & Accounting Clerk	\$42,999	-2%	67,510
Bachelor's Degree	Credit Counselor	\$48,995	11%	1,540
	Loan Officer	\$65,049	0%	9,420
	Tax Preparer	\$48,309	11%	4,600
	Accountant & Auditor	\$77,650	11%	54,680
	Financial & investment Analyst	\$85,675	6%	18,550
	Personal Financial Advisor	\$101,131	6%	18,550
	Financial Manager	\$131,494	18%	39,460

Source - Illinois Department of Employment Security, 2022

Accounting

Business Writing & Technical Concepts I & II
21st Century Business Communications
Accounting I
Work Program Interrelated Cooperative Education (ICE)

Administrative Assistant

Business Writing & Technical Concepts I & II
21st Century Business Communications
Microsoft Office Technology

Business Writing & Technical Concepts
21st Century Entrepreneurship

Entrepreneurship

BUSINESS



Business Pathways

Administrative Assistant	Entrepreneurship	Accounting
<ul style="list-style-type: none"> • Business Writing & Technical Concepts I & II • 21st Century Business Communications • Microsoft Office Communications 	<ul style="list-style-type: none"> • Business Writing & Technical Concepts I & II • 21st Century Business Communications 	<ul style="list-style-type: none"> • Accounting I • Business Writing & Technical Concepts I & II • 21st Century Business Communications • Work Program Interrelated Cooperative Education (ICE)



21st Century Entrepreneurship

Course Length - Year Long

Grade Level - 10-12

*College credit available with South Suburban College



21st Century Business Communications

Course Length - Semester

Grade Level - 11-12

Prerequisite: 21st Century Entrepreneurship



Accounting I

Course Length - Year Long

Grade Level - 10-12

Prerequisite: Business Writing & Technological Concepts

*College credit available with South Suburban College



Business Writing & Technical Concepts I & II

Course Length - Year Long

Grade Level - 9-11

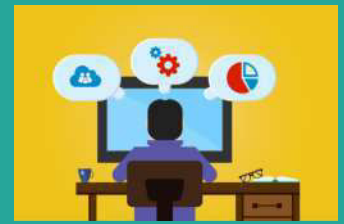


Work Program Interrelated Cooperative Education (ICE Class & ICE Job)

Course Length - Year Long

Grade Level - 12

Information Technology



Illinois Information Technology (IT) aims to build student skills in the following areas: communications, information systems/technology, digital literacy, entrepreneurship interpersonal and leadership skills, career development, computer, concepts/programming/networking, web page/media development, and many, more (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
Associate Degree	Computer User Support Specialist	\$50,118	4%	15,390
	Computer Network Support Specialist	\$67,351	3%	9,990
	Web Developer	\$81,463	7%	5,480
Bachelor's Degree	Database Administrator	\$86,490	6%	5,260
	Computer Systems Analyst	\$98,400	4%	23,060
	Data Scientist	\$103,307	29%	3,680
	Software Developer	\$106,694	18%	62,560
	Information Security Analyst	\$124,306	25%	4,280

Source - Illinois Department of Employment Security, 2022

Computer Science

Business Writing & Technical Concepts I & II
AP Computer Science Principles





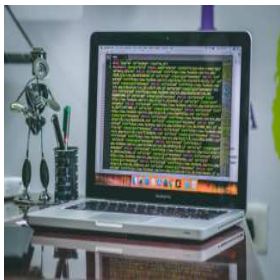
Business Writing & Technical Concepts I & II
Coding, APP & Web Development
Advanced Coding, Web & APP Development

Web Page Development



Business Pathways

Web Page	Computer Science
<ul style="list-style-type: none"> • Business Writing & Technical Concepts I & II • Coding, APP, & Web Development • Advanced Coding APP & Web Development 	<ul style="list-style-type: none"> • Business Writing & Technical Concepts I & II • AP Computer Science Principles



AP Computer Science Principles

Course Length - Year Long

Grade Level - 10-12

Prerequisite: Successful completion of Algebra I with a 'C' or higher

*College credit available with South Suburban College



Microsoft Office Technology

Course Length - Year Long

Grade Level - 10-12

Prerequisite: Business Writing & Technological Concepts

*College credit available with South Suburban College



Coding, APP & Web Development

Course Length - Year Long

Grade Level - 11-12

Prerequisite -Computer Applications (Business Writing Technical Concepts or Microsoft Office Technology)

Advanced Coding, APP & Web Development

Course Length - Year Long

Grade Level - 11-12

Prerequisite: Coding, Web, and App Development



HOSPITALITY & TOURISM



Hospitality and Tourism is the business of recreation and entertainment. People like to go out to eat and restaurants exist not only to feed people but to give them a memorable experience. Culinary Arts is the preparation, cooking, and presentation of food and meals. Chefs and cooks usually work in restaurants, planning menus, purchasing and preparing food to be used, and cooking and baking meals to be served to customers (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School Diploma	Amusement & Recreation Attendant	\$26,486	37%	16,040
	Host & Hostess	\$27,661	32%	33,3330
	Baker	\$30,741	12%	15,820
	Restaurant Cook	\$32,329	57%	91,790
	Concierge	\$33,314	19%	2,090
	Food Preparation Supervisor	\$36,243	27%	59,060
	Chef & Head Cook	\$48,183	31%	5,920
	Lodging Manager	\$59,763	37%	1,230
Bachelor's Degree	Meeting & Event Planner	\$49,768	14%	6,220

Source - Illinois Department of Employment Security, 2022



Introduction to Culinary Arts
Culinary Arts I
Culinary Arts II

Culinary

CULINARY ARTS



Sample Student Schedule

*TFS students only travel to CAT for culinary

Grade 10	Grade 11	Grade 12
Per 1 U.S. History	Per 1 Algebra II	Per 1/2 Culinary Arts II
Per 2 Gym	Per 2 Gym	Per 2 Lunch/Travel
Per 3 Lunch	Per 3 Civics/Econ	Per 3 Gym
Per 4 Geomerty	Per 4 Science Elective	Per 4 English 12
Per 5 Chemistry	Per 5 Lunch/Travel	Per 5 Elective
Per 6 Introduction to Culinary	Per 6 English 11	Per 6 Elective
Per 7 English 10	Per 7 Culinary Arts I	

Schedules may vary by student based on teacher/counselor recommendations. Students must meet all school & state graduation requirements.



Introduction to Culinary Arts

Course Length - Semester or Year Long

Grade Level - 10-11

Culinary Arts I

Course Length - Semester or Year Long

Grade Level - 11-12

Prerequisite: Introduction to Culinary Arts



Culinary Arts II

Course Length - Year Long

Double Period

Grade Level - 12

Prerequisite: Culinary Arts I

TRANSPORTATION, DISTRIBUTION & LOGISTICS



Transportation, Distribution, and Logistics careers focus on moving products and people by roads, air, railway, and water. Automotive service technicians are in high demand, maintaining the millions of cars, and trucks on the highway. Automotive service technology involves inspecting, repairing, and maintaining various automotive components that keep a car working properly (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
	Tire Repairer & Changer	\$30,998	4%	4,850
High School Diploma	Industrial Truck & tractor Operator	\$41,573	18%	42,850
	Automotive Body Repairer	\$48,752	7%	7,070
	Automotive Service Technician	\$48,975	3%	29,090
Certification	Bus, Truck & Diesel Engine Mechanic	\$60,088	9%	12,040
	Aircraft Mechanic & Service Technician	\$78,791	24%	5,470

Source - Illinois Department of Employment Security, 2022

Automotive	Introduction to Automotive Automotive Technology I Automotive Technology II	
Collision	Introduction to Collision Collision Repair I Collision Repair II	

AUTOMOTIVE TECHNOLOGY



Sample Student Schedule

Automotive - Grade 11	Automotive - Grade 12	Collision Grade 11	Collision Grade 12
Per 1 Algebra II	Per 1/2 Automotive Tech II	Per 1 English 11	Per 1/2 Collision Repair II
Per 2 Gym	Per 3 Lunch/Travel	Per 2 Algebra II	Per 3 Lunch/Travel
Per 3 English 11	Per 4 Gym	Per 3 Gym	Per 4 Gym
Per 4 Economics/Civics	Per 5 English 11	Per 4 Lunch	Per 5 English 12
Per 5 Lunch/Travel	Per 6 Elective Math recommended	Per 5 Econ/Civics	Per 6 Elective Math recommended
Per 6/7 Intro to Automotive Tech/Automotive Tech I	Per 7 Elective	Per 6/7 Intro to Collision Repair/ Collision Repair I	Per 7 Elective

Schedules may vary by student based on teacher/counselor recommendations. Students must meet all school & state graduation requirements.



Introduction to Automotive Technology

Course Length - Semester
Double Period
Grade Level - 11
Required: Safety glasses, coverall

Automotive Technology I

Course Length - Semester
Grade Level 11
Prerequisite: Introduction to Automotive Technology
Required: Safety glasses, coveralls



Automotive Technology II

Course Length - Year Long
Double Period
Grade Level - 12
Prereq
Required: Safety glasses, coverall

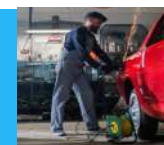


Introduction to Collision Repair

Course Length - Semester
Double Period
Grade Level - 11
Required: Safety Glasses, overalls

Collision Repair I

Course Length - Semester
Double Period
Grade Level - 11
Prerequisite: Introduction to Collision Repair
Required: Safety Glasses, overalls



Collision Repair II

Course Length - Year Long
Double Period
Grade Level - 12
Prerequisite: Collision Repair I
Required: Safety Glasses, overalls

EDUCATION & TRAINING



Education is the teaching and training of people, usually younger ages from pre-school through high school or college. Every young person deserves an education, which is required in most states through high school, so there will always be a demand for teachers. Education workers most frequently work in traditional schools, but can also be found in sports activities, libraries, churches, and after-school activities (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School Diploma	Teaching Assistant	\$30,330	4%	55,940
	Self-Enrichment Education Teacher	\$39,467	18%	17,240
Associate Degree	Preschool Teacher	\$30,903	16%	26,120
Bachelor's Degree	Kindergarten Teacher	\$63,424	4%	4,150
	Elementary School Teacher	\$63,901	3%	40,530
	Middle School Teacher	\$63,901	3%	15,560
	Secondary School Teacher	\$63,901	3%	28,480
Master's Degree	Librarian	\$62,849	7%	6,380
Professional Degree	Postsecondary Teacher	\$85,484	7%	59,330

Source - Illinois Department of Employment Security, 2022



Foundations to Teaching
Introduction to Childcare
Education Methodology

Education

Childcare

Introduction to Childcare
Childcare Practicum I



CHILDCARE & TEACHING



Sample Student Schedule

Childcare - Grade 11	Childcare - Grade 12	Teaching - Grade 11	Teaching - Grade 12
Per 1 Algebra II	Per 1 English 12	Per 1 English 11	Per 1/2 Education Methodology
Per 2 Gym	Per 2 Lunch/Travel	Per 2 Algebra II	Per 3 Lunch/Travel
Per 3 English 11	Per 3/4 Gym	Per 3 Gym	Per 4 Gym
Per 4 Economics/Civics	Per 5 Lunch	Per 4 Lunch	Per 5 English 12
Per 5 Lunch	Per 6 Elective Math recommended	Per 5 Econ/Civics	Per 6 Elective Math or Intro to Childcare recommended
Per 6 Intro to Childcare	Per 7 Elective	Per 6 Foundations to teaching	Per 7 Elective
Per 7 Elective		Per 7 Elective	

Schedules may vary by student based on teacher/counselor recommendations. Students must meet all school & state graduation requirements.



Introduction to Child Care

Course Length - Year Long
Grade Level - 11

Child Care Practicum

Course Length - Year Long
Double Period
Grade Level - 12
Prerequisite: Introduction to Childcare



Foundations to Teaching

Course Length - Year Long
Grade Level - 11

*College credit available with South Suburban College



Education Methodology

Course Length - Year Long
Grade Level - 12
Prerequisite: Foundations to Education



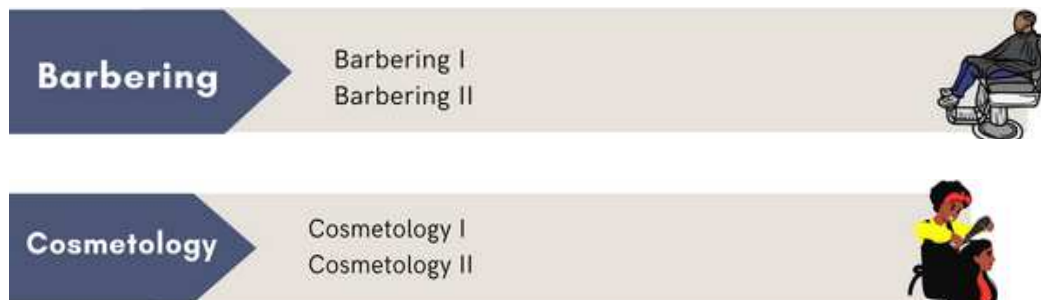
Human & Public Services



Human and Public Services prepare individuals for jobs related to the needs of individuals, groups, and society. This leads to career opportunities in education and training, government and public administration, law, public safety, corrections, and security and human services, along with personal care services. Individuals might work in hospitals, salons or spas (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
Certification	Manicurist & Pedicurist	\$30,652	26%	4,460
	Cosmetologist & Hairdresser	\$38,421	14%	25,190
	Skincare Specialist	\$49,870	25%	2,890
	Massage Therapist	\$52,370	23%	8,680

Source - Illinois Department of Employment Security, 2022



Human Services



Sample Student Schedule Both Programs Require a 2-Year Commitment

Barbering - Grade 11		Barbering - Grade 12		Cosmetology- Grade 11		Cosmetology - Grade 12	
EB - Per 3	Barbering I	Per 1	English 12	EB - Per 3	Barbering I	Per 1	English 12
Per 4	Lunch/Travel	Per 2	Elective Biology recommended	Per 4	Lunch/Travel	Per 2	Elective Biology recommended
Per 5	English 11	Per 3	Lunch/Travel	Per 5	English 11	Per 3	Lunch/Travel
Per 6	Economics/Civics	Per 4-7	Barbering II	Per 6	Economics/Civics	Per 4-7	Barbering II
Per 7	Algebra II			Per 7	Algebra II		

Schedules may vary by student based on teacher/counselor recommendations. Students must meet all school & state graduation requirements.



Barbering I

Course Length - Year Long

Four Periods

Grade Level - 11

*College credit available with South Suburban College



Barbering II

Course Length - Year Long

Four Periods

Grade Level - 12

Pre-requisite Barbering I

*College credit available with South Suburban College



Cosmetology I

Course Length - Year Long

Four Periods

Grade Level - 11



Cosmetology II

Course Length - Year Long

Four Periods

Grade Level - 12

Pre-requisite Cosmetology I



Science, Technology, Engineering & Mathematics



Science, Technology, Engineering, and Mathematics careers (commonly known as STEM) heavily draw from math and science. These careers help shape our future, solve problems, and innovate new products or systems. STEM is rapidly changing every industry including driverless cars, automated drones, cashier-free grocery stores, renewable energy, and artificial intelligence (ISBE).

Education Needed	Occupation	Median Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
Bachelor's Degree	Industrial Engineer	\$86,630	16%	10,280
	Mechanical Engineer	\$99,023	9%	8,720
	Civil Engineer	\$99,024	11%	9,050
	Electrical Engineer	\$102,431	7%	3,310
	Data Scientist	\$103,307	29%	3,680
	Chemical Engineer	\$103,898	11%	400
Master's Degree	Statistician	\$101,856	35%	2,020

Source - Illinois Department of Employment Security, 2022



Introduction to Engineering Design
Principles of Engineering

Engineer

Engineering



Sample Student Schedule

Grade 9	Grade 10
Per 1 Intro to Engineering	Per 1 Principles of Engineering
Per 2 Gym	Per 2 Gym
Per 3 Lunch	Per 3 U.S. History
Per 4 Algebra I	Per 4 Chemistry
Per 5 English 9	Per 5 Lunch
Per 6 World History	Per 6 English 10
Per 7 Biology	Per 7 Geometry

Schedules may vary by student based on teacher/counselor recommendations. Students must meet all school & state graduation requirements.

Introduction to Engineering & Design

Course Length - Year Long

Grade Level - 9-11

*College credit available through South Suburban College



Principles of Engineering

Course Length - Year Long

Grade Level - 10-12



BUILDING & CONSTRUCTION

BUILDING & CONSTRUCTION

Expert Craftsmanship
From The Ground Up



Introduction to Building & Construction

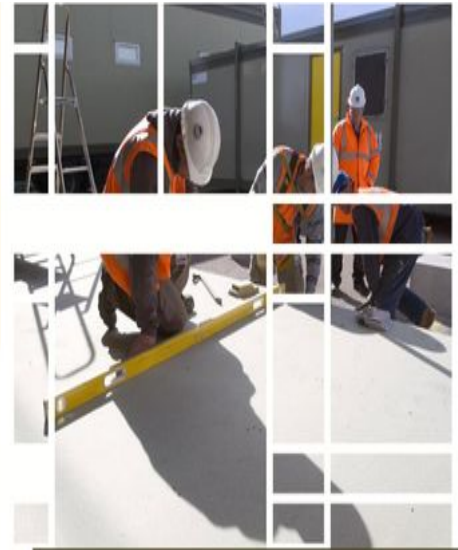
11-12

Introduction to Construction introduces the study of materials and processes used in the construction of residential structures. Students learn and follow the proper safety procedures throughout the shop area. A large emphasis is placed on safety. Students use some of the same power and hand tools used in industry. Students will learn excavation, foundation systems and slabs.

Building & Construction I

11-12

Building & Construction I places emphasis on learning terminology as well as hands on applications constructing a 4'x4' freestanding floor and wall section. The process includes the methods involved in designing for construction, floor, wall, and roof systems, plus electrical and plumbing systems. Students experience a wide variety of learning activities including areas such as; reading and interpreting house plans and becoming familiar with the local building codes; foundation work, fanning of walls, floors and roof, plumbing, electrical, windows and doors, flooring installations, siding installation or repair, and deck or patio construction.



Building & Construction II

*College Credit Available
12

Construction II covers structural footings, wall systems, physical properties of wood, building materials, and measurement grading. Hands-on projects allow students to thoroughly understand the principles and methods of rough residential carpentry by framing of a mock-up, scaled-down home. Actual house framing including floor, wall and roof construction with special emphasis placed on the framing square for stair stringers, gable and hip rafter layout.

**College credit is available with South Suburban College for students that earn a C or better for the entire year & SAT Math score of 460+. Building & Construction II, high school course = BLD 101 Construction Materials & Methods I-Woods (4 credit hours).*

**Career
Program**

AUTOMOTIVE TECHNOLOGY

Automotive Technology

SERVICE | PARTS | REPAIR

Introduction to Automotive Technology

11-12

Semester 1, Double Period



This course teaches students the basics of shop safety and procedures, automotive care and automotive maintenance. The following topics are covered: careers, hand tools, shop safety (floor jacks and jack stands), measuring, fasteners and gaskets, automotive math, service manuals and abbreviations, maintenance and fluid services (fluid checks and changes, belts and hoses), tires and wheels (balancing and changing), brake fundamentals and engine fundamentals.

Automotive Technology I

11-12

Semester 2, Double Period

This course is available to students who successfully complete Introduction to Auto Tech. During this course, students gain additional knowledge on brake fundamentals and they learn diagnosis and repair of brake systems to include ABS, as well as engine theory, diagnosis, minor repairs and support systems of the automobiles. The following topics are covered: power tools and lifts, testing and repair, battery theory, testing and service, fuel system theory, and fundamentals, testing and repair of engines, cooling systems, and lubrication systems, starting systems, and charging systems.

Automotive Technology II

12

Yearlong, Double Period

This course is available to students who successfully complete Auto Tech I. This third level course provides students with a more in-depth study of previous sections including on the job auto mechanic experience. Students study engine performance and major repairs as well as clutches, drive trains, and wheel alignments.



CAREER PROGRAM

BUSINESS

21st Century Entrepreneurship

This course provides today's aspiring youth entrepreneurs with the knowledge and skills necessary to own and operate their own businesses. Emphasis is placed on the following entrepreneurial topics: business ownership, structure, and responsibilities; principles of finance and accounting; printed and digital marketing; financial literacy including banking and investments; interpersonal communication and other human relations; the role of an entrepreneur in today's global society; and social responsibility. Based on classroom experiences, students are expected to create and deliver a professional business plan presentation in a real-world competition for a small grant to start a business.



21st Century Business Communications

This course is a unique program designed to assist students in self-reflection and self-assessment. Students are given an opportunity to make confident decisions about future careers, strengthen professional skills, and develop career-building strategies. Extensive instruction is given on employment documents including resumes, cover letters, references, and electronic portfolios. Interviewing skills are taught and practiced through mock interview events. Students use a variety of technology and software to help them find the right career, explore different career options, or plan future education and training. Emphasis is also placed on personally developing the necessary skills to build important professional qualities such as image building, team building, interpersonal skills, critical thinking, and decision-making skills as well as a strong work ethic.

BUSINESS

Business Writing & Technical Concepts I

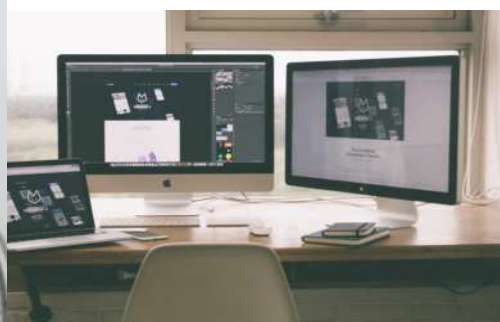
Students will learn the fundamentals of keyboarding skills. Practice drills are enforced and proper keyboarding techniques are introduced. Using the “touch method” of typing while emphasizing speed and accuracy, students practice keyboarding skills to create, format and edit a variety of documents. Students also learn the basic essentials of word processing, spreadsheets, presentations, and internet research and are introduced to the Microsoft Office Suite, which includes Word, PowerPoint, and Excel.

Business Writing & Technical Concepts II

This course builds upon the knowledge and skills acquired in the prerequisite Business Writing & Technical Concepts I. Students learn to apply in-depth word processing applications using Microsoft Word, as well as integrated applications from PowerPoint and Excel. Emphasis is placed on the creation and enhancement of business, educational, and personal documents, which reinforces communication and problem-solving skills.

Microsoft Office & Technology

Students learn the skills necessary to become Microsoft Office Specialists. This course prepares students to effectively use information processing as a tool to develop professional-type documents and publications. Students learn the components of the Microsoft Office Suite which include Word, Excel, Access, PowerPoint, and Publisher as well as the basics of web page development. The course also features activities in the use of Internet Explorer for research and points of reference. Students develop an understanding of the general operations of a network and explore network terminology to learn how it is used as a means to interact with the world of business.



BUSINESS

Accounting I

This course is the language of business and an integral aspect of all business activities. Mastery of fundamental accounting concepts, skills, and competencies are essential to make informed business decisions. Regardless of students' chosen course of study or career path, accounting prepares them to be educated as business professionals and informed consumers. The prime objective of this course is to introduce students to the double-entry system of accounting for a sole proprietorship, corporate, and partnership forms of business enterprises by using real-world applications and connections. Students develop personal and professional skills for school and work as well as an understanding of the relationship between the manual system of accounting and a computerized system.



Coding, App & Web Development

Are you interested in creating websites and apps? Learn the latest industry-used programming languages such as JavaScript, HTML, and CSS. Students are taken step by step down a carefully constructed learning path to reinforce and build on their skills to ensure they're constantly evolving and retaining an understanding of the content. Throughout the year, students will build a personal web page that highlights their programming skills and interests.

Advanced Coding, App & Web Development

Build upon your coding skills with engaging and interactive tools. This course challenges students to not only build websites but also create iPhone, Android, and web apps using current industry languages such as Ruby, Objective-C, HTML, CSS, PHP, Swift, SQL, Python, Java, and more. Students are taken step-by-step down a carefully constructed learning path to reinforce and build on their skills to ensure they're constantly evolving and retaining an understanding of the content. The goal of this course is to guide students from having basic technology experience to being fully skilled, confident, and job-ready for a career in the tech industry. Students will be able to create a portfolio that highlights their skills.



BARBERING

Barbering I

This course offers student's curriculum in both theory and practice in the following areas as they relate to the practice of barber science and art: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Barbering II, while earning hours toward licensure.



Barbering II

This is the second year of a two-year program in Barbering. It offers more advanced theoretical and practical skill development to prepare students for the barbering license exam. Advanced Training covers at a minimum: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; bleaching, tinting, and coloring, shop management, shop operation, and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation. Hands-on Lab training is an integral part of this course in order to help prepare students for the State Barber Board test.



COLLISION REPAIR

COLLISION REPAIR



**Collision Repair I, 11-12
Semester II, Double Period**

**Introduction to
Collision Repair, 11-12
Semester I, Double Period**

Introduction to Collision Repair is designed to introduce students to the basic information needed when beginning a career in the Collision and Repair Industry. Students learn and follow the proper safety procedures throughout the shop area. Emphasis is placed on the safe use of tools and equipment. Students learn the functions of basic tools, the proper procedures for handling hazardous materials and the foundation skills necessary to repair non-structural damage. Students also learn the foundation techniques required to paint and refinish automobiles.

Collision Repair I is designed for students to learn how to safely replace, adjust, fit and align sheet metal and similar components. Through hands-on projects, students are trained on the proper method of sheet metal replacement, aligning and fitting of these parts according to industry standards. According to industry standards, students are trained in the use of proper structural welding, systematic procedures in MIG welding and plasma cutting as well as refinishing techniques and repair for non-structural and structural damage.

**Collision Repair II, Senior Year
Yearlong, Double Period**

Collision Repair II is designed for students to gain practical experience in repairing dents and damage to the body of vehicles using various methods. Students learn how to repair vehicles' exterior panels using aluminum replacement parts. Students also learn about interval safety components including air bags. Applications of higher-level critical thinking skills are required to troubleshoot repairs on various types of plastics and composites according to industry standards. Students apply their Collision Repair I knowledge training to execute the removal and installation of stationary and moveable glass as well as advanced MIG welding and refinishing.

**CAREER
PROGRAM**

CHILD CARE



Child Care Practicum

Introduction to Childcare

Introduction to Child Care is the foundation for all the childcare courses. Child Development studies ways in which children grow and develop from birth to age 6. Emphasis is placed on the needs of the child as well as appropriate childcare skills needed for each stage of development. This course is designed for students who are interested in a career in the fields of early childhood education, elementary ed., and pediatric care, as well as those interested in the area of child care.

Child Care Practicum I is a double-period course which provides students with an in-depth pre-school experience based on the activities and behavior of children enrolled in the program. Students plan, supervise, and implement lessons with children. Students interested in careers such as: child care aide, child care director, child psychologist, pediatrician, social worker, and early childhood education should enroll in this class.



AP COMPUTER SCIENCE PRINCIPLES

AP Computer Science Principles (CSP) curriculum is a full-year, rigorous course, that is equivalent to a first-semester introductory college computing class and introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems. Students will develop computational thinking skills vital for success across all disciplines, and will write about the impacts these solutions could have on their community, society and the world. Students will be highly encouraged to take the AP Exam in the spring which will provide them the opportunity to earn college credit prior to leaving high school.



COSMETOLOGY

Cosmetology I

Cosmetology I introduces students to the requirements to become a licensed cosmetologist. It offers students instruction in both theory and practical application in the following areas: tools and their use, shampoo, understanding chemicals and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology and esthetics as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course help prepare students for Cosmetology II, while earning hours towards licensure.



Cosmetology II

Cosmetology II builds upon the knowledge and skills attained in Cosmetology I and provides students with more practical instruction. Cosmetology II is a combination of classroom instruction and hands-on experience in the following areas: practical chemical application/hair treatment, hair styling/hair dressing, hair coloring and salon management, sanitation, and interpersonal relations as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Instruction may also include experiences in nail technology, esthetics, individualized skill development, and career planning for the expectation of moving from school to work. This course offers a curriculum of advanced theoretical and practical skill development to prepare students for the Cosmetology Licensure Examination and progression to obtain the 1500 hours of study in cosmetology.



CULINARY ARTS

Culinary Arts



INTRO TO CULINARY ARTS

9-12 grades

This course is designed to deliver industry standards-based instruction through the use of the Pro Start Curriculum from the Illinois Restaurant Association. Students will develop competencies leading to entry-level hospitality and industry employment. Instructional unit topics will include food safety, sanitation, professional knife skills, basic nutrition, station set-up, and food service equipment operation. Students will begin food preparation including fruits, vegetables, dairy products, egg cookery, potato cookery, and grains and pastas. Throughout the course, industry ethics, transitional skills and workplace skills will be emphasized through integration. Students will participate in Pro Start seminars and attend industry events.

CULINARY ARTS I

10-12 grades

This double-period course is designed to continue industry standards-based instruction through the use of the Pro Start Curriculum from the Illinois Restaurant Association that will lead to the development of intermediate level student competencies and subsequent industry employment. Students will review and continue work toward mastery of knife skills, safety and sanitation, nutrition and menu-planning. Food preparation will include soups, stocks, sauces, salads/ salad dressings, sandwiches, meat, fish/shellfish, poultry, hors d' oeuvres, canapé's, baking and pastries. Use of commercial equipment, terminology, procedures and training including cooking technique, flavors and seasoning, and plate preparation will be emphasized. Students will spend significant time in this course, observing and participating in minimal food preparations in the high school cafeteria. Students will also experience daily operations in the back of the house. Throughout the course, industry ethics, transitional skills and workplace skills will be emphasized through integration. Students will participate in Pro Start seminars and attend industry events.

CULINARY ARTS II

11-12 grades

This double-period course is designed to continue industry standards-based instruction through the use of the Pro Start Curriculum from the Illinois Restaurant Association that leads to the development of advanced student competencies and subsequent industry employment. Entrée' preparation which includes advanced baking and pastry, advanced poultry, meat, and seafood preparation are the instructional emphasis of the course. Students also continue to develop previously introduced skills in restaurant dining and table service and purchasing and inventory. Students also participate in basic Culinary Management Skills, Front and Back of the House training, and daily operation of a café / restaurant. Throughout the course, industry ethics, transitional skills and workplace skills are emphasized through integration and participation in Pro Start seminars and other industry events. Students may also have the opportunity to compete in regional culinary competitions. Students continue to build on their professional portfolios started in Culinary Arts I as well as research culinary careers and scholarship opportunities.

Career Program

DIGITAL PHOTOGRAPHY



Digital photography is an upper-level course which introduces students to the fundamentals of technology based artwork. Students learn the basic operations of a digital still camera and Adobe Photoshop CS5 to create unique computer-based projects. Digital imaging strives to integrate students with the tools and techniques necessary to become a commercial graphic artist.



ELECTRICITY

Electricity I

This course provides a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. This course typically includes AC and DC circuitry, safety, and the National Electrical Code. Additionally, students might receive experience in the following areas: building circuits, residential wiring, installing lighting, power circuits, and cables.



Electricity II

This course focuses on energy and power in transportation and work. Course content includes various sources of energy and their use in society. Students will gain an understanding of the principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies. The transmission and control of power through mechanical or electrical devices such as motors and engines will also be covered.



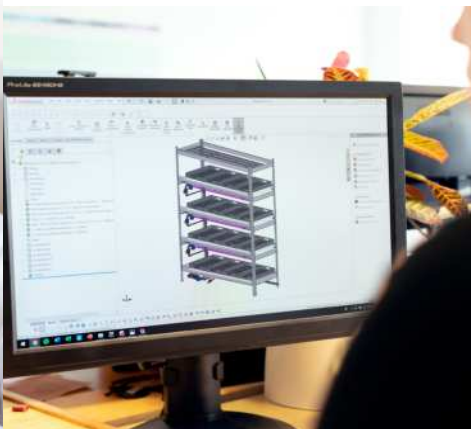
ENGINEERING

Introduction to Engineering Design

This is the first course in the Project Lead The Way (PLTW) program. In this course, students will explore the engineering design process and use a problem-solving model to improve existing products and invent new ones. Students will work both individually and in teams to design solutions to a variety of problems, using three-dimensional modeling software

Principles of Engineering

This is the second course in the Project Lead The Way (PLTW) program. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem-solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.



Education



Foundations to Teaching

This course introduces students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and strategies and techniques to deliver knowledge and information. A combination of classroom and field experiences will enable the student to gain skilled knowledge and understanding of the education profession. Course content includes projects to develop an understanding of the learner and the learning process, instructional planning, the learning environment, assessment and instructional strategies, career opportunities in the field of education, and Illinois regulations and licensing requirements



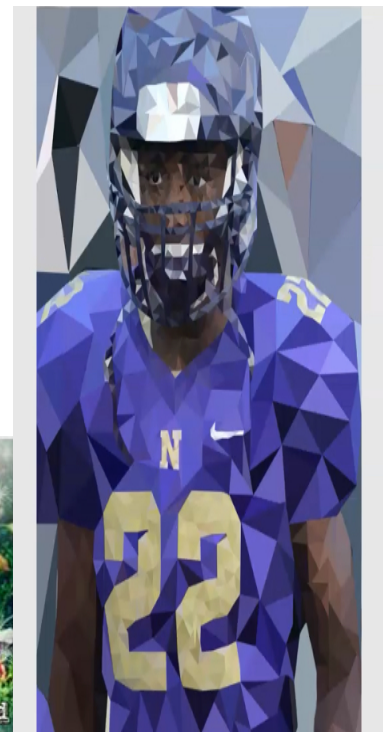
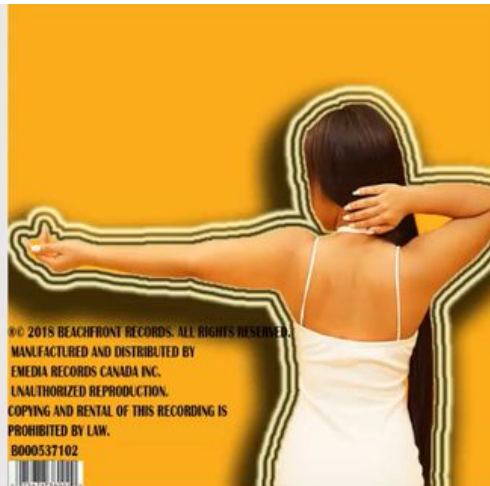
Educational Methodology

This course provides an opportunity for students to develop skills to teach and guide others. Coursework includes opportunities for students to create and develop teaching objectives, design lesson plans, and experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management, and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques. Students will explore opportunities in education careers and develop/expand their career portfolio.



GRAPHIC DESIGN

Graphic Design is an upper level course that places an emphasis on design skills through the arts of Printmaking, Commercial Design and Computer Graphics. Students develop skills in Adobe Photoshop CS5, composition, layout, product design, typography, logo creation and other visual processes related to graphic design careers.



TELEVISION PRODUCTION



Meteor Productions Career Program

Intro TV Production

9-10

This course exposes students to the fundamentals of Video and Film Production. Students learn and apply proper television and film production techniques for handling and operating television cameras, microphones, and lighting equipment, as well as all of the equipment related to producing television and film in our advanced editing/studio facility. Students use Apple computers and are introduced to i-Movie, Aperture, and Photoshop to complete digital projects. Skills learned include: lighting, storyboarding and script writing, digital editing, sound recording, music production, special effects and video mixing. Movie and television history, equipment mechanics and critical viewing are also explored.

TV Production I

10-11

In Television Production I, students learn the industry standard techniques of camera operation, audio production and lighting for TV and film, as well as computer based editing on the industry's leading software, Final Cut Pro. Students work on short news stories, commercials, and documentaries to be aired on the school video network. This advanced course challenges students with more detailed and more complex video production projects. In addition to learning advanced, professional software applications, students experiment with cinematic lighting, sound design, competitive production, editing musically, and animation. Movie and television career opportunities and critical viewing are also explored.

TV Production II

11-12

Students are the main production team for Meteor News, our full time internet television channel. Writing, designing, staging, engineering, filming, performing and directing are all skills to develop in this year-long class. Students learn proper use of audio and video equipment, advanced computer software, media marketing and teamwork skills. Students will write, produce, and edit stories that will be used for broadcast purposes as well as a digital portfolio. Operating like a television newsroom, members play a vital role in producing a bi-weekly news and feature story program. Hard work is expected and creativity is encouraged.

Work Based Learning

WORK PROGRAM INTERRELATED COOPERATIVE EDUCATION (ICE Class & ICE Job)

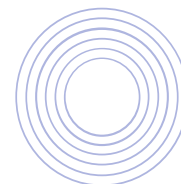
Interrelated Cooperative Education (ICE) is a two-credit program. One credit is earned through classroom preparation (ICE Class) while the other credit is gained for work or volunteer experience (ICE Job) which is designed to prepare students for the world of work. Many students enter their senior year of high school not knowing which career field they would like to pursue after graduation. Experience is gained through employment, job shadows, volunteer service, and meaningful field trips that are related to animated classroom discussions, projects, and presentations. The overall objective of this program is to provide an opportunity for students to acquire marketable skills and knowledge for their future career path. Extensive instruction is given to create cover letters, resumes, references, and electronic portfolios. This course allows students to receive the necessary tools to generate and practice successful interviewing strategies during our Mock Interviews. Students use a variety of technology and software to help them find the right career, consider future education and training opportunities, and manage personal finances. Emphasis is also placed on personal development while each student will be given the opportunity to develop the necessary skills to build important professional qualities such as image building, team building, interpersonal skills, critical thinking, and decision-making skills, and a strong work ethic.





Career Development Department Industry-Standard Certifications/Programs of Study

	Courses	Program(s) of Study		
1	Barbering Licensure	Barbering		
2	Cosmetology Licensure	Cosmetology		
3	JavaScript	Coding App and Web Development		
4	Microsoft Office Specialist (Certiport)	Business Writing and Technical Concepts	Microsoft Office Technology	
5	OSHA 10	Automotive Tech	Building Construction	Collision Repair
6	Paraprofessional Licensure	Educational Pathway	Childcare	Any students 18 or older
7	S/P 2 Collision Repair	Collision Repair		
8	ServSafe Food Handler	Culinary Arts		



CTE Regional Goals

Our CTE program is comprehensive and we adhere to regional goals to keep our programs of high quality and standards.

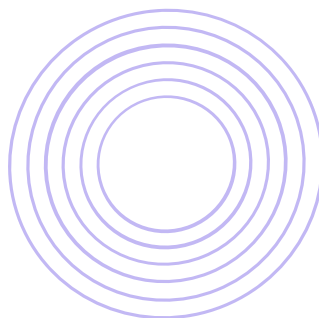
1. **Work-based Experience** – CTE students will have access to at least one work-based experience prior to graduation, as well as opportunities to earn industry-recognized credentials.

2. **New Programs of Study** – A comprehensive investigation will be initiated into creating the following new programs: Health Sciences, Cosmetology, Barbering, and Welding.

3. **Access to CTE Programs** – Students will have equal access to, and receive supportive services and accommodations necessary to succeed in our CTE programs. Marketing of CTE programs will be developed at the district level, focusing on special populations students. Annual IEP meetings include awareness of CTE programs.

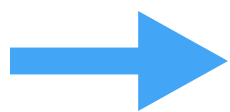
4. **Advisory Committees** – We will Strengthen and expand Advisory Committees, to ensure that all CTE programs are aligned and responsive to industry standards with input from stakeholders.

5. **Program Quality** – Curricula will be reviewed and revised to be aligned with current industry standards, at least every five years. Equipment and technology will be maintained and upgraded appropriately to stay current. Professional development opportunities will continue to be made available to all CTE teachers and counselors.

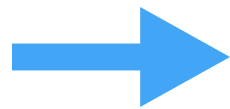


STILL QUESTIONING IF YOU SHOULD CHOOSE A CTE PATH?

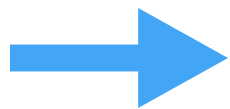
Here are some reasons to choose this path:



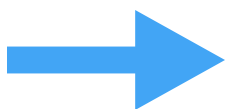
You will gain the opportunity to explore a variety of careers.



You will gain valuable preparation for college and the opportunity to earn college credit.



You will gain skills and can earn certifications that prepare you and make you more marketable for today's job demands while still in high school



You will gain practical work-based learning skills

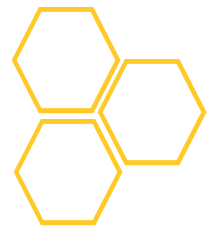


CREATE YOUR SAMPLE SCHEDULE

See pages 20 & 21 for course requirements per grade level.

Be sure to see your counselor to ensure that your course choices meet the district and state requirements.

Grade 9	Grade 10	Grade 11	Grade 12



District 215

Career & Technical Education

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CAREER DEVELOPMENT

Thornton Fractional District 215

