

Spring 2024 - DCPD Course Descriptions

AUTOMOTIVE PATHWAY COURSE DESCRIPTION

SPPS: Automotive Maintenance and Light Repair 1, 2 &3

Location: Global Arts Upper School

Time: 1:00-3:30 A Days or B Days sections

4 High School Credits Each (9-12 grades)

Transportation: Yellow School Bussing from home high school to Auto Center, Metro Transit for return.

In addition to the learning experience in an ASE accredited auto shop program equipped with industry standard equipment and 12 bays, there are internship opportunities available to students. Students attending the program can earn [ASE](#) Student Certifications, apply for summer internships, as well as earn articulated college credits for automotive programs at St. Paul College, DCTC and Dunwoody.

- Students study safety, tools, equipment, shop operations, and the fundamentals of operation, maintenance, and basic repair procedures for automotive engine
 - Auto 1: mechanical systems, heater and air conditioning systems, and drivetrain systems.
 - Auto 2: performance systems, as well as the fundamentals of hybrid vehicle information.
 - Auto 3: suspension systems, steering systems, and brake systems.

Website: [Saint Paul Public Schools Districtwide Automotive Program](#)

BUILDING TRADES AND MANUFACTURING PATHWAY COURSE DESCRIPTIONS

SPPS: Intro to the Trades - Build

Location: 3M Advanced Training Center

Time: 1:00-2:30 Monday-Friday

Transportation: Yellow School Bussing to and from the 3M Advanced Training Center except for...

2 High School Credits (9-12 grades)

SPPS will offer this amazing hands-on course in partnership with industry to students interested in learning about good jobs with good benefits in the construction industry. The course will include field trips to Trades Union Facilities and job sites, construction projects, and guests from the building trades, manufacturing, and engineering. Intro to the Trades I is not a prerequisite for Intro to the Trades II. Different trades will be introduced.

Intensive hands-on course with approximately 80% of the learning done on the training floor. This course prepares students to be work ready and mimics a job in the FTIUM trades. The applicant shall be physically capable of performing the essential functions of the CTE program without posing a direct threat to the health and safety of themselves or any other individuals, with reasonable accommodations. Students will be in a dirty, dusty environment and will get drywall mud and paint on themselves and their clothes. Student participation and collaborative work are vital aspects of this program. For more information about FTIUM visit FTIUM.edu

DCTC: Construction Plan Reading

Location: 3M Advanced Training Center

Time: 1:00-2:30 Spring Semester, Mondays/Wednesdays

Transportation: Yellow School Bussing from Home High School and back to school,
2 College Credits (11-12 grades)

This course walks students through an example set of construction documents including Architectural, structural, mechanical and electrical drawings. Emphasis is placed on understanding standard conventions and symbols and navigating a drawing set to find specific information.

BUSINESS PATHWAY COURSE DESCRIPTIONS

SPC: Business Communications

Location: 3M Advanced Training Center
Time: 1:00-2:30 Spring Semester, Tuesdays/Thursdays
Transportation: Yellow School Bussing from home high school,
3 College Credits (11-12 grades)

This course provides an introduction to the study of verbal and non-verbal communications in a business setting. The course introduces techniques for business communication including tone, format, inclusion, and delivery and addresses barriers to communication and how to respond to those challenges. Resume and cover letter skills are presented and practiced to prepare students for job search.

Business Internship - More information [here](#)

Gain experience in the business industry while being paid, work with professionals, develop new skills, expand your network, build your resume, and more! Must have completed Career Seminar Portfolio or Career Seminar to be eligible.
This internship experience requires students to complete an application and go through an employer interview process for acceptance.

COMPUTER SCIENCE & ENGINEERING PATHWAY COURSE DESCRIPTIONS

Century: Intro to CyberSecurity, Forensics & Information Assurance

Location: 3M Advanced Training Center on Saint Paul College Campus
Time: 1:00-2:30 Spring Semester, Mondays/Wednesdays
Transportation: Yellow School Bussing from home high school, Metro Transit for return except for Highland, Humboldt, AGAPE, and Focus Beyond who have bussing.
3 College Credits (11-12 grades)

This computing program prepares students for careers in Cybersecurity, information assurance, computer incidents, investigation, cyberspace ethics, and computer law. Cybersecurity is the activity or process, ability or capability, or state whereby information and communications systems and the information contained therein are protected from and/or defended against damage, unauthorized use or modification, or exploitation.

St Paul College: Engineering CAD

Location: 3M Advanced Training Center on Saint Paul College Campus
Time: 1:00-2:30 Spring Semester, Mondays/Wednesdays
Transportation: Yellow School Bussing from home high school, Metro Transit for return except for Highland, Humboldt, AGAPE, and Focus Beyond who have bussing.
2 College Credits (11-12 grades)

This course introduces students to solid modeling software used in engineering for design and analysis of parts. It includes creating models and drawings for basic extrusions, revolve features, and cuts as well as more complex blends, sweeps and assemblies.

MEDICAL PATHWAY COURSE DESCRIPTIONS

St Paul College: Medical Terminology

Location: 3M Advanced Training Center

Time: 1:00-2:30 Spring Semester, Tuesdays / Thursdays

Transportation: Yellow School Bussing from home high school, Metro Transit for return except for Highland, Humboldt, AGAPE, and Focus Beyond who have bussing.

2 College Credits (11-12 grades)

This course covers how bio/medical terms are constructed from Greek and Latin word elements including roots, combining forms, prefixes, and suffixes. Definitions, spelling, pronunciation, and applications of these terms will be stressed. Diseases and treatments specific to the body's organ systems will also be covered. This course is useful for anyone who desires a better understanding of medical language.

Anoka Technical College: Emergency Medical Technician (EMT)

Location: 3M Advanced Training Center

Time: 1:00-4:00pm Spring Semester, Monday-Thursday

Transportation: Yellow School Bussing from home high school, Metro Transit for return

9 College Credits (11-12 grades)

This certificate will prepare the entry-level Emergency Medical Technician for direct employment in an emergency ambulance service, basic transport service, an emergency room, police department, security department or fire department. Completion of the EMT course prepares the student for the National Registry of EMT examination. Successful completion of the National Registry exam is recognized by the State of Minnesota to generate the state certification required to work as an EMT in Minnesota (must be 18 years old to test).

St. Kate's: Certified Nursing Assistant (CNA) - Course is CLOSED

Location: St. Kate's

Time: 1:00-3pm Spring Semester, Mondays/Wednesdays + some additional practical hours

Transportation: Yellow School Bussing from home high school, Metro Transit for return

5 College Credits (11-12 grades)

CNA is a 75 hour minimum state approved program that teaches the knowledge and skills required to take the Minnesota Nursing Assistant Competency Examination. This examination is offered to all passing students and is required by the Minnesota Department of Health to be placed on the Minnesota Nursing Assistant Registry.

EDUCATION PATHWAY COURSE DESCRIPTIONS

MCTC: Multicultural Approaches to Education

Location: 3M Advanced Training Center

Time: 1:00-2:30 Spring Semester, Tuesdays/Thursdays

Transportation: Yellow School Bussing from home high school, Metro Transit for return except for Highland, Humboldt, AGAPE, and Focus Beyond who have bussing.

3 College Credits (11-12 grades)

Are you interested in improving the educational experience? In this course, you will examine how personal understanding of race, class, gender, culture, ability and sexuality impact instructional choices in classrooms. You will have the opportunity to describe your vision for racial, linguistic, cultural, and social justice in education.

Education Internship - More information [here](#)

Location sites will vary
Time: 1:00-2:30 Spring Semester, Mondays/Wednesdays, time can be extended per agreement with student and employer
Transportation: Metro Transit Cards Provided
2 High School Credits

Gain experience in education while being paid, work with professionals, develop new skills, expand your network, build your resume, and more! Must have completed Career Seminar Portfolio or Career Seminar to be eligible.
This internship experience requires students to complete an application and go through an employer interview process for acceptance.

CRIMINAL JUSTICE PATHWAY COURSE DESCRIPTIONS

MSU Mankato: Juvenile Delinquency and Justice

Location: 3M Advanced Training Center
Time: 1:00-2:30 Spring Semester, Tuesdays/Thursdays
Transportation: Yellow School Bussing from home high school, Metro Transit for return except for Highland, Humboldt, AGAPE, and Focus Beyond who have bussing.
3 College Credits (11-12 grades)

This course will introduce students to a critical consideration of definitions of juvenile delinquency, emphasis on micro and macro level of struggle in which delinquent behavior takes place, critique of current theories on delinquency, and the juvenile justice response to delinquency from a criminal justice lens.

MSU Mankato: Criminal Law & Procedures

Location: 3M Advanced Training Center
Time: 1:00-2:30 Spring Semester, Mondays/Wednesdays
Transportation: Yellow School Bussing from home high school, Metro Transit for return except for Highland, Humboldt, AGAPE, and Focus Beyond who have bussing.
4 College Credits (11-12 grades)

Learn about the history, development, and application of criminal laws and criminal procedures in the criminal justice system.

SPPS SPRING INTERNSHIPS - More information [here](#)

Spring Internships are available in the Business and Education Pathways. The eligibility requirements below must be met by the end of Fall Semester 2023. (Trades Internship is included in the course.)

Eligibility for an SPPS Spring Internship include one or more of the following:

- Related advanced coursework completed with a C- or higher OR
- Enrollment in related courses OR
- Essay on previous experience and/or current passion that indicates interest in the internship OR
- Right Track YJ2 Internship or other internship experience such as 3M STEP or Genesys Works

OR

- Counselor and/or Teacher recommendations

In addition, All SPPS Spring Interns must complete the following requirements:

Right Track Application, Interview, & HR Paperwork

SPPS Career Seminar Portfolio/Career Seminar

Not Chronically Absent (Federal-10% or More) Fall Semester 2023