

PARKWAY choice programs

Students who are interested should contact their counselor regarding the process for enrolling in these courses or contact Dr. Jennifer Stanfill, Director of Choice Programs at jstanfill@parkwayschools.net or 314.415.8450.

spark!

Spark! provides high school students in the Parkway and Rockwood School District with dynamic, immersion-based student learning experiences to ensure students can understand and respond to an ever-changing world. To accomplish this task, the districts actively engage and work collaboratively with business partners, community service and educational leaders to design and develop mutually beneficial learning experiences based on the interests of students and stakeholders. Spark! serves students from Parkway North, Parkway South, Parkway West, Parkway Central, Fern Ridge, Eureka, Marquette, Rockwood Summit, and Lafayette High Schools. Spark! is an example of how business, community and public education can partner to produce personalized learning experiences that educate the workforce of the future, especially in high skill, high demand jobs.

207491 & 207492

SPARK! BIOSCIENCE

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Want to learn more about living organisms through regular interactions with academic and business experts and trips to local institutions? Try out Spark! Bioscience. This program provides students with a passion for the biological sciences the opportunity to work with experts in the field. If your interests lie with the micro or macro, with plants, animals, or humans, this experience will provide opportunities for research, inquiry, and project based learning.

207431 & 207432

SPARK! ENGINEERING

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Spark! Engineering is modeled after cutting-edge engineering schools like, MIT School of Engineering, Olin College of Engineering, Stanford School of Engineering, Purdue University, inspired by Project Lead the Way, and endorsed by local universities. The course is designed for students who are interested in engineering and manufacturing fundamentals, entrepreneurship, and innovation. Immerse yourself with engineers and manufacturers using state-of-the-art tools and software to create and test 3D prototypes solving complex problems. Apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/ computer, architectural, advanced manufacturing, robotics, biological, and environmental.

207461 & 207462

SPARK! INCUBATOR

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

The Incubator is a business incubator where students will learn the skillsets necessary to move an idea from light bulb to launch. They will live and learn stages of ideation, business development, perfected pitch proposals and business implementation. They will be part of a team and use critical thinking to grow ideas to the next level. The Incubator will support students in the development of a start-up company, social enterprise or nonprofit organization. Dual credit is available through Maryville University and Lindenwood University.

207451 & 207452**SPARK! PRE-PROFESSIONAL HEALTH SCIENCES ACADEMY**

Grade: 12

2 Elective credits

Prerequisite: Senior standing

Spark! Health Sciences is an engaging experience that examines the dynamic and diverse field of medicine and healthcare. During this experience, students will be exposed to the variety of opportunities and benefits of careers related to health sciences. Spark! Health Sciences participants will expand upon principles of human physiology, develop fluency in basic medical terminology, formulate treatment plans for patients and engage in First Aid and CPR training. Students will receive essential foundational knowledge based on industry demand, while also participating in clinical experiences across the continuum of care that may consist of job shadows, group projects, service learning and individualized mentorship. Diverse healthcare professionals will serve as guest lecturers and outside learning experiences will involve site visits to a variety of medical and healthcare facilities. Articulated credit is available through St. Louis Community College.

207541/207542**SPARK! SPORTS MEDICINE**

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Spark! Sports Medicine is designed for students interested in professions in sports medicine such as athletic training, physical therapy, orthopedics, and sports performance. In this program, students will gain a fundamental understanding of the human body, human performance, and human movement. Students will acquire skills to prevent, evaluate, and treat sports injuries. In addition, students will understand current trends in the healthcare industry and the importance of interprofessional collaboration to improve patient care.

Relevant industry topics such as sports medicine principles, anatomy and physiology, biomechanics, exercise physiology, and therapeutic modalities will also be discussed. Throughout the Spark! Sports Medicine experience, students will connect with expert healthcare professionals and engage in fieldwork, simulations, case studies, and internship experiences for authentic observation and skill application.

207471 & 207472**SPARK! TEACHING & LEARNING**

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Spark! Teaching and Learning immerses students in teaching and learning. Students will understand learning styles, teaching methodologies, technology integration, cultural responsiveness and a focus on data-driven decision making in the schooling system. Students will engage in a collaborative relationship between teachers, administrators, students and families. This experience will focus on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. Students will experience the true essence of the teaching and learning process through observation, interaction and teaching. Dual credit is available for this course.

207401 & 207402**SPARK! TECHNOLOGY SOLUTIONS**

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

Students in Spark! Technology Solutions will discover a vast array of specialty areas available in technology careers where professionals utilize technology to solve business problems and design products. Students are immersed in a professional environment tackling and solving real world problems while working on client-defined projects and tasks. Students may be exposed to the following areas: software engineering, web development, operating systems, hardware technologies, network design/technologies, management information systems, media (print, film, web) or emerging technologies.

Visit www.parkwayspark.com to apply for Spark! Experiences.

early college

In partnership with St. Louis Community College at Wildwood and the Rockwood School District

What is the Parkway Early College Partnership?

The Early College Partnership (ECP) is a full-immersion, early entrance to college program located on the campus of St. Louis Community College (STLCC) at Wildwood. Students attend the ECP for two years, replacing the junior and senior years of traditional high school. While in the ECP, students engage in a curriculum consisting of all college coursework taught by professors at STLCC-Wildwood. Upon successful completion, students earn an Associate of Arts degree, as well as a high school diploma.

What resources are provided to students participating in the ECP?

- Students will have access to a full-time counselor and college advisor
- Students will have access to the Wildwood Student Resource Center, Library, and Computer Labs, as well as student clubs and campus activities

Why should my son/daughter participate in the ECP?

This is a unique and innovative opportunity for students to join a cohort of high school students who are studying in a non-traditional setting on the campus of a community college. This experience provides schedule flexibility and an associates degree upon completion of the program.

What are the requirements for admissions into the ECP?

- Students must currently be in 10th grade
- Students must complete the [online Parkway Early College Partnership application](https://parkwayecp.com) available at parkwayecp.com.
- Students are responsible for their own transportation to and from STLCC-Wildwood.

How are students selected for the ECP?

A committee of administrators and counselors will review:

- Classroom performance for courses taken in 9th and 10th grade
- Attendance
- Academic potential
- Academic engagement
- Time-management skills
- Access to post-secondary learning
- Cumulative GPA of 2.5 or higher*
 - *Students with a GPA below 2.5 may apply but will require one recommendation from a Parkway staff member
- Discipline history
- ACT results (if applicable)
- Student Essay
- [A commitment to abide by the expectations and responsibilities of the Parkway Early College Partnership.](#)

What is the deadline for applying to the ECP?

The online application must be submitted by January 31, 2021. Supporting paperwork (Expectations and Responsibilities Signature Page) must be submitted by February 15, 2021. Students will be informed of acceptance to the program by March 15, 2021. All accepted students will attend an Orientation at STLCC-Wildwood in the spring.

What calendar will my child follow?

Students will follow the STLCC academic calendar and are required to be in attendance for all classes.

Can my child take classes at his/her high school?

This program is designed to take all classes on the campus of the STLCC-Wildwood; however, in rare cases, a high school course may be approved by the Director of Choice Programs and Principal.

Can my child participate in extra-curricular activities at his/her high school?

Yes, students may return to their home high school for extra-curricular activities and sports.

Will students with IEPs or 504s be eligible for participation in ECP?

Yes. Students will have the opportunity to visit the Access office at STLCC for support, as well as their high school counselor, IEP case manager, and ECP coordinator.

Should my student continue participating in the A+ Schools Program?

Yes, we recommend students continue with the A+ Schools Program for the following reasons:

- There may be opportunities for access to benefits at 4-year colleges and universities
- A+ funds may be utilized for additional STLCC courses beyond the associate's degree
- If a student decides to opt out of the ECP program at any time, they can continue working on A+ eligibility requirements

Will all the STLCC credits transfer to a 4-year institution?

Students who are planning to attend a public, 4-year institution in Missouri will benefit from the [CORE 42](#). The purpose of CORE 42 is to facilitate the seamless transfer of academic credits. The completion of the CORE 42 at any public institution of higher education will transfer to every other public institution of higher education in the state and substitute for the receiving institution's general education requirement.

Many out-of-state and/or private colleges also accept the majority of credits earned through the ECP program.

Who pays for the ECP?

- The Parkway School District will cover the costs of tuition and fees of college classes for up to sixty (60) total credits. Students are required to maintain passing grades (C or better) in all classes.
- Students are responsible for the cost of books.

How will students receive high school credit?

All STLCC grades will be posted on the Parkway Schools transcript and will count towards graduation.



St. Louis Community College at Wildwood

fern ridge

Fern Ridge serves as an extension of Parkway's four traditional high schools. Designed for students in grades 10 through 12 who prefer a small and personalized school setting, the program provides individual, small group, and whole group learning opportunities. Teachers utilize Parkway curriculum and students receive Parkway credit. Transportation is provided.

Admission is based not only on the program's ability to meet a student's academic, social, and emotional needs, but also on a student's desire and level of commitment to be successful. Applications and additional information about the program are located at <https://www.parkwayschools.net/Domain/32>. Attending Fern Ridge is a privilege and space is limited to 110 students.