



School Districts Served Since 2015: Affton - Bayless - Fox - Hancock - Kirkwood - Lindbergh - Mehlville -

Program Highlights

- Junior & Senior Students
- High School Credit
- PLTW Credit Options
- College Credit Available
- Professionalism
- Career Exploration
- Job Shadows
- Site Visits
- Professional Mentors
- Client Projects
- Passion Projects
- Cross-Curricular Projects
- Communication Skills
- Collaboration Skills
- Design Thinking
- Networking Skills
- Presentation Skills
- Project Management Skills

Why connect with St. Louis CAPS?



Students in all St. Louis CAPS courses collaborate on cross-curricular projects and presentations. Students learn directly from business and industry professionals.

The St. Louis CAPS program is an opportunity for high school juniors and seniors to fast-forward beyond college and test-drive their future in high-skill and high demand career fields. Students engage in a profession-based experience located outside the walls of a traditional high school classroom. The students learn directly from business and industry professionals in places such as hospitals, small business incubators, research labs, nonprofits, and college campuses. Students complete projects directly from business partners and present their solutions to expert panels. The St. Louis CAPS program emphasizes professional etiquette, communication, teamwork, critical thinking, collaboration, creativity, and innovation. Students begin to build their professional network while still in high school.

Logistics

- Year-Long Courses
- Two Sessions Available:
 - » AM Session: 7:30-10:00
 - » PM Session: 11:30-2:00

Transportation Provided By Student

Course Offerings

- Medicine, Health Care, & Bioscience
- Global Business & Entrepreneurship
- Engineering & Technology Design and Development

Click Here To Apply: <http://stlcaps.yourcapsnetwork.org>

Medicine, Health Care, & Bioscience

For students in the St. Louis CAPS medicine, health care, and bioscience course, learning happens on a daily basis while being immersed in a local medical center and other career related facilities. Students learn directly from medical experts and practicing professionals. Students, alongside some of the region's most experienced medical professionals, will advance their understanding of human physiology, disease process, medical terminology, patient care, plant science, lab techniques, professionalism, ethics, and career exploration. Expert guest speakers provide instruction in the medical specialties of anesthesia, cardiology, dermatology, obstetrics, oncology, orthopedics, nephrology, internal medicine, family practice, general surgery, bioscience research, and more. Students will have unique experiences during operating room observations and site visits to the leading health care and higher education facilities. There are also a variety of hands-on activities such as laboratory dissections, mannequin simulations, mass casualty drills, case studies, and Grand Rounds presentations to medical experts.

High School Credit:

Year-long course worth 3 credits. The course also fulfills PLTW Biomedical Innovation (BI) requirements.

College Credit Options:

3 Hours - Missouri University of Science & Technology

Global Business & Entrepreneurship

St. Louis CAPS global business and entrepreneurship students work on client projects directly from business and industry partners. They gain experience pitching solutions to business partners while also developing their own ideas for products and prototypes. Students gain hands-on experience with skills and topics such as professionalism, marketing, sales, finance, human relations, event planning and entrepreneurship. Students have the opportunity to build their professional network with business partners in areas such as fashion, marketing, sports & entertainment, hotels, restaurants, agriculture, legal services, real estate, investments and many more. Students conduct site visits on a frequent basis to a variety of businesses to learn directly from professionals.

High School Credit:

Year-long course worth 3 credits.

Engineering & Technology Design and Development

The Engineering & Technology Design and Development course strand will immerse students into the current problem-solving approaches, project management systems, and technology platforms utilized by professionals in these related fields. Students will develop their skills and apply their learning through scalable projects that require students to work in multidisciplinary collaborative teams to develop solutions to complex problems and communicate results with each other and, when applicable, business & industry partners. The course is designed for students who are interested in careers in engineering, robotics, manufacturing fundamentals, entrepreneurship, innovation, software development (coding), information technology, and cybersecurity. Students will have the opportunity to collaborate with other students, develop a network of professional mentors, visit local businesses, and develop a professional portfolio that illustrates their creative talent.

High School Credit:

Year-long course worth 3 credits. The course also fulfills PLTW Capstone requirements.

St. Louis CAPS Director & Social Media Contact Information

Director

- Tim Luecke, Ed.D.
- 314-810-9126
- tluecke@stlcaps.net

Instagram

- [@stlcaps](https://www.instagram.com/stlcaps)

X (Formerly Twitter)

- [@stlcaps](https://twitter.com/stlcaps)

LinkedIn

- [St. Louis CAPS](https://www.linkedin.com/company/st-louis-caps)

CAPS Core Values

There are **FIVE CORE VALUES** that guide the design and implementation of each CAPS Program. Each principle must be built into each strand for it to achieve the goals of the innovation.

- 1 PROFESSION-BASED LEARNING** – Instructors develop real-world, project-based learning strategies through collaborations with business and community partners. These interactions enhance the learning experience, preparing students for college and career.
- 2 PROFESSIONAL SKILLS DEVELOPMENT** – Unique experiences allow students to cultivate transformative professional skills such as understanding expectations, time management and other essential business values. These skills are critical to providing students a competitive advantage in their post-secondary education and professional careers.
- 3 SELF-DISCOVERY AND EXPLORATION** – Students realize their strengths and passions by exploring and experiencing potential professions. This allows them to make informed decisions about their future, while learning to exhibit leadership.
- 4 ENTREPRENEURIAL MINDSET** – Instructors create an environment where creative thinking and problem solving is encouraged. An innovative culture is key to fostering entrepreneurial learning and design thinking.
- 5 RESPONSIVENESS** – CAPS supports high-skill, high-demand careers through ongoing innovation in curriculum development, programs and services based on local business and community needs.

“Preparing students to succeed in a rapidly changing labor market will require not only rethinking avenues of higher education but also starting to reevaluate how school prepares students for higher education learning at the K–12 level.

This will require moving beyond a curricular system of preparing for traditional college admissions and moving toward a career-connected learning (CCL) approach that effectively combines classroom instruction with work-related experience.”

*Higher Education and the School-Work Mismatch
in an Evolving Labor Market*

Veronique de Rugy and Jack Salmon
Mercatus Center - George Mason University

St. Louis CAPS Alumni Testimonials



Abbey Painter
Kirkwood - 2019
Medicine, Health Care, & Bioscience
Purdue University
Biomedical Engineering & Pre-Med

“CAPS has opened my eyes to the professional world and how systems run in a medical environment. I am light years ahead of my peers as far as preparation for interviews, and communication with my professors.”



Jessica Pierre
Affton - 2018
Medicine, Health Care, & Bioscience
S.E. Missouri State University
Nursing

“One thing CAPS taught me is to network. Networking has helped me meet new people through school or work. I have met nurses that have given me the option to shadow them or to seek their help whenever I need it while I'm in nursing school.”




Lexi Twillmann
Oakville - 2018
Engineering & Advanced Manufacturing
UMSL/Washington University
Civil Engineering & Mathematics

“CAPS helped me solidify my decision that engineering is what I want to pursue as my career path. It gave me real life experiences that I couldn't have gotten any place else, It gave me confidence that I would be happy with a job in this discipline.”



Nevin Horne
Affton - 2016
Global Business & Entrepreneurship
Ohio Wesleyan University
Business Administration

“CAPS taught me real-life applicable skills, It took the theory and concepts we were learning and put them to use in projects. I wouldn't be where I am without the experiences, skills, and knowledge I gained during my time in the program.”



93 PROGRAMS

160+ SCHOOL DISTRICTS

23 STATES

4 COUNTRIES

THROUGHOUT ACROSS

