



Selected Summer Enrichment Programs

Overview

This list identifies summer enrichment opportunities that would benefit PA students with a range of academic and personal interests. This list is not exhaustive and is updated as the college counselors are informed of additional opportunities deemed suitable for inclusion. We have attempted to restrict this list to programs with total out of pocket costs under \$1,000. Higher priced programs are excluded from this list unless they offer significant levels of need-based financial aid or scholarships, or if they are recognized as the very highest quality programs of their type.

The programs listed here are distinct from “pre-college programs” or “summer academic sessions” offered at many universities in which students take college courses while living on campus. Those programs, on account of their high price tag (typically \$3,000 and higher) and limited financial aid awarded, are revenue-generating for the colleges offering them and will accept any student capable of paying the high fees. They are fine academic experiences in their own right, but are not necessary for students to be competitive admission candidates to the college hosting the program, or to highly selective colleges in general. More information on pre-college programs is included at the end of this document.

In-State Opportunities

Discover STEM (at University of Minnesota-Twin Cities)

<https://cse.umn.edu/college/discover-stem>

What you need to know: Students entering Grades 11 and 12 are eligible for these week-long day camps offering a hands-on introduction to science, technology, engineering, and mathematics opportunities. This is a non-residential day camp in which students are on campus from 9:00 a.m. to 4:00 p.m. Admission is competitive.

Cost: In the past, cost to students has been \$50. Information on the 2019 programs will be announced in mid-February and the application is typically due in mid-April.

Minnesota Institute for Talented Youth: Expand Your Mind Program (EYM)

<http://mity.org/new/mity-programs/expand-your-mind/>

What you need to know: EYM is a two-week summer experience for bright and motivated teenagers entering grades 8 through 12. This is your chance to immerse yourself in an intense study of a single course—with offerings that include acting, chemistry, math, architecture, creative writing, psychology, and engineering courses. EYM is held on the campus of Macalester College in Saint Paul.

Cost: Tuition is \$695 for a commuting student (\$1,750 if staying on campus).

Upper Midwest String Camp (at College of Saint Benedict)

<http://www.mnsota.org/events/upper-midwest-camp>

What you need to know: The Upper Midwest String and Chamber Music Conference is jointly sponsored by The College of St. Benedict in St. Joseph and MNSOTA. This is the ideal summer program for 7th through 12th grade students eager to develop their string playing through chamber music, string orchestra and technique classes. There is no entrance audition; all students are accepted in the order in which they apply. On the first day of camp, teachers hear students play to assess their experience in order to divide students according to age and ability for daily orchestra and chamber group rehearsals.

Cost: 2019 costs was \$585 all-inclusive (including double-occupancy dorm room)

Music Camp at St. Olaf College

<http://wp.stolaf.edu/conferences/summer-camps/music-camp/>

What you need to know: Music camp is open to high school students who have completed grades 9, 10, 11 or 12. Join high school students from around the nation in this intense and exciting week of music-making under the direction of the internationally acclaimed St. Olaf College music faculty.

Cost: \$660-700, depending on track chosen

Theater Camps at St. Olaf College

<https://wp.stolaf.edu/conferences/theater-camp/>

What you need to know: Two camps are offered in the month of June: an Acting Camp and an Advanced Theater Camp.

Cost: 2017 costs ranged from \$640 - \$795 depending on type of camp and program options.

High Altitude Ballooning Camp at Gustavus Adolphus College

<https://gustavus.edu/camps/ballooning/>

What you need to know: At this camp, students will build a high altitude balloon spacecraft capable of reaching near-space. Not only is high altitude ballooning a great way to introduce the electronics and programming skills needed to collect and analyze data from the spacecraft, it provides a fun way to explore scientific concepts from pressure, temperature and volume to cosmic radiation. Students who attend this camp will gain valuable hands-on experience with electronics, programming microcomputers to collect data from a variety of sensors, building payloads, using a variety of cameras, planning flight paths, and flying balloons. Students entering their freshman, sophomore, junior, or senior year in the fall of 2018 are eligible to attend.

Cost: 2017 cost was \$750, which included all tuition, supplies, and room and board.

Young Writers Workshop at Hamline University

<https://www.hamline.edu/cla/cwp/young-writers-workshop.html>

What you need to know: The Hamline Young Writers Workshop is a week-long, daytime program providing high school students who are passionate about creative writing with the opportunity to explore the craft, prepare for college, connect with other young writers in the Twin Cities, and work closely with Hamline Creative Writing faculty and published authors. The schedule includes in depth instruction from published authors, a “literary Twin Cities” field trip, panel discussions, and electives on specific creative writing topics.

Cost: \$400

Student Statesmanship Institute (at Concordia University-St. Paul)

<http://www.mfc.org/about-ssi/>

What you need to know: SSI Minnesota is a project of the Minnesota Family Institute and in partnership with the Minnesota Association of Christian Home Educators and Christian schools in Minnesota. SSI is a mock government program in which students role play as state legislators and make several visits to the State Capitol. The program aims to teach about the legislative process, encourage biblical thinking on critical issues, enhance debate and communication skills, and connect students with state leaders.

Cost: 2018 costs are \$449 before April 27, \$499 after that date

Minnesota Business Venture

<http://bestprep.org/programs/minnesota-business-venture/>

What you need to know: MBV is a week-long, residential program with sessions hosted by both Saint John’s University and St. Cloud State University. Students learn about leadership, business, financial literacy, and career options. The week includes a week-long assignment to create a business plan in small groups, as well as guest speakers and mock interviews. Approximately 200 students participate in each session.

Cost: Participants pay \$150 or \$200 depending on when they register. The application will be available by late November and is first come, first served.

Scrubs Camp (at Winona State University)

<https://www.winona.edu/conferencing/scrubs.asp>

What you need to know: Scrubs is a week-long residential camp open to students entering grades 9 to 12 who wish to explore careers in healthcare. Participants live in a traditional residence hall on Winona State University's main campus and take part in a variety of activities related to healthcare. This program is co-sponsored by HealthForce MN, a center of excellence focusing on healthcare innovation, diversity and learning. Registration will open in mid-January.

Cost: In 2018, the registration fee was \$480, covering housing, meals, scrubs, and instruction/programs/field trips.

Beyond Minnesota

Note: Some, but not all, of the programs below have “selective” to “extremely selective” admission processes. Monitor application deadlines very closely. Requests for letters of recommendation should ideally be made a month prior to any due date; transcripts and other supporting documents require two weeks’ advance notice.

Hillsdale Summer Science Camps (Hillsdale College, MI)

<https://www.hillsdale.edu/academics/high-school-study/summer-science-camps/>

What you need to know: Students will primarily be selected from the local Michigan and surrounding tri-state area, but students nationwide are also encouraged to apply. Available camps include Mathematics, Chemistry and Physics, and Molecular Biology. The application will be available in mid-January.

Cost: In 2019, a foundation grant will cover the full cost of attendance

Witherspoon Institute’s Summer Seminars (Princeton, NJ)

<https://winst.org/summer/>

What you need to know: These week-long programs for rising juniors and seniors provide the opportunity to study either the Moral Life & the Classical Tradition or Principles of American Politics. The seminars provide challenging intellectual experiences that bring upper level high school students into direct contact with accomplished scholars affiliated with Princeton University and/or the Witherspoon Institute. Students live for the week in the dormitories of Princeton University under the supervision of Residential Advisors (RAs). Various recreational activities are organized in the Princeton area after seminar sessions. The application will be available in mid-December.

Cost: \$250 covers all on-site expenses. Students are responsible for their own travel costs.

James Madison Program’s Summer Seminars (Princeton, NJ)

<https://jmp.princeton.edu/summer-programs>

What you need to know: This one-week residential seminar for upper-level high-school students and rising college freshmen will study the fundamental questions of equality and liberty in American political life. What have Americans meant by these principles from the founding to the present? What is their relationship with one another, with political power, with law, and with the private sphere of civil society? Are they in tension or in harmony? Participants stay on the campus of Princeton University.

Cost: \$250, includes meals, campus accommodations and course materials

High School Summer Academy at The King’s College (New York City)

<https://www.tkc.edu/summer-academy>

What you need to know: This program is designed for students who love ideas and want to explore the development of the largest and most diverse city in the United States. Available tracks include Media & Journalism and Political Economy. Students will experience New York City through visits to museums, historic sites, activities, discussions, and other attractions. The King’s College is a Christian Liberal Arts college located in the heart of New York City.

Cost: Sticker price is \$1,950 for residential students and \$1,000 for day participants when registered by January 31, 2019. The price rises after this date; both need and merit scholarships are available.

West Point Summer Leadership Seminar (U.S. Military Academy, NY)

<http://www.usma.edu/admissions/sitepages/summer.aspx>

What you need to know: SLE is highly competitive - there are normally 6,000 applicants and 1,000 attendees. SLE gives high school juniors a week to experience life as a cadet to inform their college selection decision. SLE is a fast-paced program of academic classes, military training, physical fitness training and intramural athletics conducted during the month of June each year. You must have standardized test scores to be considered for SLE.

Cost: \$400, plus travel arrangements. The application window opens on January 15, 2019. **Note that the first session of 2019 SLE conflicts with the PA school year. Students will be responsible for requesting significant academic arrangements regarding final exams if interested in attending this session.

Naval Academy Summer Seminar (U.S. Naval Academy, MD)

<http://www.usna.edu/Admissions/NASS/index.php>

What you need to know: Selection is dependent upon the overall qualification of the student **and** USNA's need to achieve complete geographic representation. All summer seminar applicants will be automatically processed as applicants to the Naval Academy upon completion of the Summer Seminar selection process. There is no need to submit an additional preliminary application. Due to limited space in the Summer Seminar Program, USNA highly recommends that students who are not selected continue to pursue admission to the Academy. Summer Seminar is a competitive program and can only accommodate 850 students in each of the three sessions (2,550 total). The application window opens on January 3, 2019.

Cost: Tuition is \$525, plus travel arrangements. **Note that the first session of 2019 Summer Seminar conflicts with the PA school year. Students will be responsible for requesting significant academic arrangements regarding final exams if interested in attending this session.

Air Force Academy Summer Seminar (U.S. Air Force Academy, CO)

<http://www.academyadmissions.com/admissions/outreach-programs/summer-seminar/>

What you need to know: Summer Seminar is an offering for high school juniors heading into their senior year. During this one week program, students are given a realistic sampling of cadet life at the Academy. Participants live in cadet dorms and eat at the cadet dining facility, attend seminars led by Academy faculty, and participate in a variety of physical activities including a practice Candidate Fitness Assessment. The application opens on December 1 and closes on January 15.

Cost: In 2018 the cost was \$300, plus travel arrangements

United States Coast Guard Academy AIM Summer Program (New London, CT)

<https://www.uscga.edu/aim/>

What you need to know: The Academy Introduction Mission (AIM) is a one-week summer program where you'll immerse yourself in USCGA life. Exclusively for students entering their senior year of high school, AIM is regarded as the most realistic of the service academy summer orientation programs. The day starts with reveille and calisthenics at 0600 (6 a.m.) and ends with taps and "lights out" at 2200 (10 p.m.). In between, students will be in the classroom, on the athletic field, on the parade grounds, or on the water. The program exposes participants to military discipline, physical training, team building and leadership development. The application opens in February and closes on April 1

Cost: \$525, plus travel expenses

United States Naval Academy Summer S.T.E.M. Program

<http://www.usna.edu/Admissions/Programs/STEM/>

What you need to know: Rising 9th-11th graders are eligible for this program, designed to encourage students to pursue science and engineering throughout high school and college. The program runs during different weeks for rising 9th graders, rising 10th graders, and rising 11th graders. The program is selective based on accomplishment inside the classroom, accomplishment beyond the classroom, and geography. Interest in USNA or military academies generally is not required. The application opens in January 2017.

Cost: \$550, plus transportation to and from BWI airport. Some scholarships are available.

Gains in the Education of Mathematics and Science (GEMS Program)

<http://www.usaeop.com/programs/stem-enrichment-activities/gems/>

What you need to know: GEMS is an Army-sponsored, summer STEM enrichment program for middle and high school students that takes place in participating Army Research Laboratories (locations include Huntsville, AL; Silver Spring, MD; Champaign, IL; White Sands Missile Range in New Mexico, etc). GEMS is driven by the overarching mission: to interest young people, who might not otherwise give serious thought to becoming scientists or engineers, in STEM careers early enough in their education so that they have the time to attain the appropriate academic training. The website includes details regarding the various program locations, which are all Army research sites.

Cost: The GEMS programs are offered at no cost to participants, but remember that these are non-residential programs and that participants are responsible for arranging lodging and supervision outside program hours.

University of Notre Dame Leadership Seminars

<http://precollege.nd.edu/leadership-seminars/>

What you need to know: Leadership Seminars is a competitive, 10-day program on Notre Dame's campus for academically talented students who show impressive leadership within their communities. Approximately 90 students are admitted to Leadership Seminars each year, and students are eligible to receive one college credit upon completion of the program. Expenses for students admitted to Leadership Seminars—including transportation to and from Notre Dame—will be paid for by the University. Application deadline is January 28, 2019. Due to the limited program size, admission to the Leadership Seminars should not be taken as an indication of one's competitiveness for first-year admission to Notre Dame. Accepted students are generally in the top 10% of their class (*note: PA does not rank students*) with an ACT of 31 and above.

Cost: \$50 required application fee, \$150 confirmation fee; all other expenses for selected students, including travel to Notre Dame, will be paid by the University

University of Notre Dame Architecture Career Discovery

<http://architecture.nd.edu/careerdiscovery>

What you need to know: The Notre Dame School of Architecture's Career Discovery program is a 12-day program and is one of the top programs in the nation for high school students looking to learn about studying architecture in college. This is a serious, highly rated program that is an academic experience, not a camp. Faculty and advanced students in ND's School of Architecture lead design studios, seminars, and field trips. Registration opens in February. The program is for rising high school sophomores, juniors, and seniors.

Cost: 2017 costs are \$1,900, plus cost of transportation to the Notre Dame campus.

Summer Science Program (sites in New Mexico and Colorado)

<http://summerscience.org>

What you need to know: The Summer Science Program experience has inspired promising young scientists for more than 50 years, accelerating their intellectual and social development, and propelling them into challenging and rewarding life trajectories. The Program takes place on two campuses: New Mexico Institute of Technology in Socorro, and University of Colorado in Boulder. At each campus, 36 rising high school seniors complete a

challenging research project in celestial mechanics. This is a highly selective (admit rate of 10%), widely recognized as one of the most prestigious of its kind in the world. You must be a junior taking calculus or pre-calculus to apply. Science pursuits beyond the classroom are a key aspect of admission review. The application opens in December. Cost: The 2016 cost was \$4,700 with extensive need-based aid available. Between one-third and one-half of participants receive financial aid. The program emphasizes that no one should allow financial considerations to deter them from applying.

Telluride Scholars Program

<http://www.tellurideassociation.org/our-programs/high-school-students/summer-program-juniors-tasp/>

What you need to know: Telluride is one of the most prestigious summer academic experiences for high school students in the country. It is a free six-week educational experience designed to bring together young people from around the world who share a passion for learning. Telluride students, or TASPers, attend a seminar led by college and university scholars and participate in many other educational and social activities outside the classroom. Last year, there were over 1,200 applicants for 64 positions. The application deadline is January 22, 2019.

Cost: The program is free for all students who are selected. Students are responsible for travel costs to their seminar site. In 2018, the sites were Ithaca, NY (Cornell Univ.), College Park, MD (Univ. of Maryland) and Ann Arbor, MI (University of Michigan).

Research Science Institute at Massachusetts Institute of Technology

<https://www.cce.org/research-science-institute>

What you need to know: Each summer, 80 of the world's most accomplished high school students gather at the Massachusetts Institute of Technology (MIT) for the Research Science Institute (RSI). RSI is the first cost-free to students, summer science & engineering program to combine on-campus course work in scientific theory with off-campus work in science and technology research. Participants will experience the entire research cycle from start to finish. It is recommended that PSAT Math Scores be at least 740 or higher and the Evidence-Based Reading and Writing Score be 700 or higher. ACT math scores should be at least 33 and verbal scores at least 34. The application deadline is typically in early January

Cost: There is no cost to students selected for this highly competitive program. The application fee is \$65.

Joyce Ivy Foundation Summer Scholars

<http://www.joyceivyfoundation.org/summer-scholars.html>

What you need to know: The Summer Scholars program makes it financially possible for talented female high school students in the Midwest to attend summer academic programs at some of the most rigorous and selective colleges and universities. Summer Scholars receive full and partial scholarship grants, based on demonstrated financial need, to apply to summer program tuition, room and board, and travel expenses. Merit awards of \$1,000 are awarded to students who do not demonstrate any financial need.

Young Writers' Studio at University of Iowa

<http://iowayoungwritersstudio.org/>

What you need to know: Young Writers' Studio is a summer, residential, creative writing program for high school students. Faculty are drawn from graduates of the Iowa Writers' Workshop, one of the most prestigious creative writing graduate programs in the United States. YWS is open to rising juniors and seniors, or to students who just completed high school. The application may be submitted between January 28 and February 8, 2019.

Cost: 2019 costs are \$2,450, with full and partial tuition grants available.

Reynolds Young Writers Workshop at Denison University (OH)

<https://reynolds.denison.edu/>

What you need to know: The Reynolds Young Writers Workshop at Denison is an energizing 8-day program for motivated high school students (rising juniors and seniors) who love to write. For over 20 years, the Reynolds

Workshop has brought together young writers who are passionate about writing and eager to connect to a close-knit community of writing friends. With just 48 participants, students will experience small, intimate writing workshops and one-on-one interactions with people who have made writing their career. The application deadline is March 3, 2019.

Cost: \$1300, includes tuition, housing, and meals. Travel costs to Denison University not included. Generous financial assistance, made possible through the Reynolds Endowment, is available based on need.

John Carroll University Young Writers Workshop

<http://sites.jcu.edu/yww/>

What you need to know: This week-long summer camp at JCU offers students the opportunity to experience and inspiring and rigorous creative writing workshop. Students in grades 8-12 participate in an immersive writing experience in the craft of fiction, non-fiction, and poetry. Studying with acclaimed professors, students read, engage in writing exercises, workshop their stories and poems, and experience a pre-college environment.

Cost: \$950 includes tuition and residence expenses (on campus lodging and meals)

Experience Christendom Summer Program at Christendom College (VA)

www.christendom.edu/experience

What you need to know: Experience Christendom is a week-long program that features study of the liberal arts with Christendom faculty (courses include History, Theology, Philosophy, and Literature), recreation activities that utilize the college's Shenandoah Valley location, and daily Mass and spiritual activities. Approximately 50 students attend each session; six sessions are offered each summer. Registration for 2018 will open on December 1.

Cost: \$500

High School Great Books Program at Thomas Aquinas College (CA)

<https://thomasaquinas.edu/admission/high-school-summer-program>

What you need to know: This two-week program open is to students who have completed three years of high school. For the first time, in the summer of 2019 Thomas Aquinas College's High School Great Books program will be offered in two locations — at the College's California campus, just 70 miles north of Los Angeles, and at its new branch campus in Massachusetts, 100 miles west of Boston. Classes are conducted using the Discussion Method, guided by members of the TAC faculty. Mass is offered daily and a chaplain is available at all times; religious activities are not mandatory and non-Catholic students are truly welcome.

Cost: \$975 for tuition, housing, meals, books, and organized off campus activities.

Benedictine College Immersion

<http://www.benedictine.edu/faith-life/bcyc/immersion/index>

What you need to know: These week-long intensive summer programs are held on Benedictine College's campus in Atchison, KS. Participants will receive the opportunity to grow socially, spiritually and academically through structured lessons. Classes will be taught by Benedictine College professors who are passionate about sharing their specialized knowledge as servants of the Catholic Church. Available tracks include Engineering, Leadership, Nursing, Great Books, Art, Theology, Voice, Creative Writing, Biology, Architecture, Education, and Philosophy

Cost: Early bird costs are \$425 (regular pricing is \$525), which includes lodging, meals, and events. A \$100 lab and equipment fee is also required for the engineering, science, art, and architecture tracks.

Schola High School Summer Program at Belmont Abbey College (NC)

<http://belmontabbeycollege.edu/schola/>

What you need to know: Schola is a unique high school summer program that affords students an opportunity to grow in friendship, devotion, wisdom, and wonder—through leisure. Participants are invited to spend a summer week cultivating the goodness of their souls by reading and discussing classic works of philosophy and literature with friends, having meaningful conversations about the fundamental questions of life, enjoying daily recreational

and social activities, and spending time in prayer and worship with the monastic community of Belmont Abbey. The program also draws on the rich cultural and recreational offerings of the greater Charlotte area. Students who have completed one year of high school are invited to apply to this exciting program.

Cost: The program fee of \$575 includes meals, books, tuition, room and board, and activity fees

Light the World Summer Institute at Catholic University of America (DC)

<http://lighttheworldcua.org>

What you need to know: Light the World! summer institute hosts over 50 rising high school juniors and seniors each session from around the country each summer at The Catholic University of America. This program is designed for students whose faith is important to them, and who want to know how it impacts their everyday lives beyond Mass and moments of prayer. Light the World! is housed within CUA's School of Theology and Religious Studies which is based in the Roman Catholic tradition but it is open to all people of faith. This is an opportunity for students to experience a taste of college life while still in high school. Students live in a dorm for the week, eat at the dining hall, live with their peers, and get a taste of the intellectual, social, and spiritual life that Catholic University offers.

Cost: The application fee is \$50 and the registration fee, if accepted, is \$300. The fee covers all costs including housing, meals, transportation, entry fees for all excursions, and a t-shirt.

P.E.A.K. Programs at Wyoming Catholic College

<http://www.wyomingcatholiccollege.com/summer>

What you need to know: Wyoming Catholic College offers a rigorously Catholic higher education based on an Outdoor Leadership education model. The P.E.A.K. programs last two weeks and offer classes with WCC professors, backpacking trips, Daily Mass and adoration, outdoor activities, and more. Students stay in newly built dorms on the WCC interim campus. The program is open to students entering their junior or senior year.

Cost: \$995 plus travel to Denver airport (where shuttles will take participants to WCC's campus in Lander, WY). A \$300 discount is available for participants registered before February 28.

Summer Academy at St. John's College (Santa Fe, NM and Annapolis, MD)

<https://www.sjc.edu/summer-academy>

What you need to know: Rising juniors and seniors are eligible to attend these one-week sessions focused on studying the most important works of Western culture in small classes guided by SJC faculty. Students live on campus and participate in off-campus expeditions. Sessions offered both in Santa Fe, NM and Annapolis, MD.

Cost: Each weeklong session of the Summer Academy at St. John's College costs \$1,100. This includes tuition, room and board, books, activity fees, and in most cases, transportation to and from local airports. Students may participate in multiple sessions if they wish, and financial aid may be available.

Film Camps at University of Tulsa

<http://artsandsciences.utulsa.edu/academics/departments-schools/film-studies/screenwriting-and-filmmaking-camps/>

What you need to know: High school students will be able to immerse themselves in the art and craft of screenwriting and filmmaking for one week. Days are spent in a workshop setting with evening activities arranged for both recreation and further exploration of film.

Cost: In 2087, the costs were \$750-825, plus travel to the program.

Summer Engineering Seminar at Santa Clara University (Santa Clara, CA)

<https://www.scu.edu/engineering/beyond-the-classroom/outreach/summer-engineering-seminar-ses/>

What you need to know: This summer experience is for high school sophomores and juniors who are curious about engineering. During their stay on campus, students attend introductory level workshops spanning several disciplines of engineering that are facilitated by our engineering faculty. Topics will include: Bio, Civil, Computer Science, Electrical and Mechanical Engineering. This program aims to motivate more students to pursue engineering study

and workshop content is on a broad, introductory level. Women and other underrepresented groups in the field of engineering are highly encouraged to apply, though this is not a limiting factor for program participation.

Cost: There are no costs for students accepted into the program aside from travel to and from Santa Clara. 2019 application information will be posted in December 2018.

PREFACE Summer Engineering Program at Rensselaer Polytechnic Institute

<http://doso.rpi.edu/update.do?catcenterkey=87>

What you need to know: The Rensselaer PREFACE Program is a two-week residential summer experience for talented high school sophomores and juniors, who will enter 11th or 12th grade in the fall of the coming year and who have expressed a strong, early interest in pursuing a career in the engineering and technological professions. It is for serious high school students from groups that have been historically and traditionally underrepresented or underserved in science, engineering, and technological fields. In 2015, Rensselaer accepted 24 students to participate from over 300 applicants from across the nation.

Cost: Tuition + room and board is paid in full by corporate sponsors. Students must cover the health center fee and personal expenses.

Foundations Pre-College Program at Assumption College (Worcester, MA)

<http://www.assumption.edu/admissions/pre-college-summer-program>

What you need to know: This is a 5-day residential, liberal arts-focused pre-college program for rising seniors sponsored by Assumption College's Core Texts & Enduring Questions program. Assumption College is a liberal arts institution rooted in the Catholic intellectual tradition located one hour from Boston. Participants will engage in academic discussions with Assumption College faculty, visit museums in Boston, and live in a college residence hall with college students serving as residential advisors. The application is due in mid-March.

Cost: Thanks to significant donor support, the cost of the program is \$400, plus travel expenses.

Engineering Summer Program at University of Wisconsin-Madison

<http://www.engr.wisc.edu/current/coe-dao-engineering-summer-program-esp.html>

What you need to know: ESP is a fully funded, six-week residential program for students who will be high school juniors or seniors in the upcoming school year. The ESP course curriculum includes math, physics, chemistry, engineering, and technical communications. Other structured programming such as industry site visits, fieldtrips, guest lectures, workshops, and faculty mentoring will help students gain a better understanding of the field of engineering and its applications. ESP targets high school students from groups traditionally under-represented in the STEM (science, technology, engineering, mathematics) field. Women of all backgrounds may apply.

Cost: The program is fully funded, with no costs to participants other than travel to Madison.

Pre-College Programs at Milwaukee School of Engineering

<https://www.msoc.edu/academics/high-school-programs/>

What you need to know: In the month of July, MSOE offers week-long, residential, academic camps for students who have completed their freshman, sophomore or junior year and are interested in exploring academic options in Engineering, Nursing or Business. Different levels of camps are offered for students in the exploratory phase, or those with a more developed interest in nursing or a specific engineering discipline.

Cost: \$800 includes academic programming, room and board, plus evening activities

Summer Programs at Missouri University of Science and Technology (Rolla, MO)

<http://summer.mst.edu>

What you need to know: Missouri University of Science and Technology is a public technological college offering top ranked engineering and science programs. During the summer, MS&T offers a variety of academic programs including Introduction to Engineering, Formula SAE Electric Car Camp, Materials Camp, Nuclear Engineering Camp, and more.

Cost: Some of the camps are highly selective and free for students who are selected. Others cost \$500-700 (travel to campus not included)

Summer Music Clinic at University of Wisconsin-Madison

<http://continuingstudies.wisc.edu/smc/>

What you need to know: Join other high school music students for a week of creative skill-building and performance in band, orchestra, choir, musical theater and jazz ensemble. Concert groups rehearse throughout the week and your family and friends are invited to the final concerts. In addition to rehearsing with a performing ensemble (band, orchestra, choir, jazz band, or musical theatre), students take elective courses like Acting, Band Literature, Film Music History, Jazz Improvisation, Rock Stars, Music Theory, and more.

Cost: \$675

Explorations Program at Iowa State University

<http://www.opptag.iastate.edu/explorations/index.php>

What you need to know: Explorations is a one-week residential program for students entering grades 9-11. Students in this residential program live closely supervised in Iowa State University's residence halls. During this one-week time period, students get a taste of college life while focusing on an area not typically available in their traditional school setting. Classes fill on first-come, first-served basis. Application window opens on March 15.

Cost: \$750 for one week.

Design Camp at University of Kansas

<https://design.drupal.ku.edu/DesignCamp>

What you need to know: High school students who have completed their freshman, sophomore or junior year are invited to register for a week of immersive studio experience at KU. Students will work with our full-time Design faculty and have two completed projects to include in their portfolio at the end of KU Design Camp. This is a great opportunity for students to learn from our distinguished faculty in studios ranging from 3D modelling to digital photography, and from letterpress to lighting design.

Cost: \$900, includes residence hall accommodations, meals, studio fees, project materials, and evening activities

Next Generation Storytelling at University of Oregon

<https://journalism.uoregon.edu/next-generation-storytelling>

What you need to know: During this weeklong summer program on the UO campus in Eugene, high school communicators strengthen their unique voices while developing critical thinking, leadership, and entrepreneurial skills. Participants explore emerging technology and media as they practice the fundamentals of writing and storytelling in hands-on courses, earn college credit at the University of Oregon, and meet students from around the nation who share a love for journalism and communication. Students entering grades 10-12 are eligible.

Cost: \$950 tuition includes room and board, transportation to and from Eugene's airport and UO college credit

Communication and Media Preview at University of Alabama

<https://cis.ua.edu/camp/>

What you need to know: Communication and Media Preview (CAMP) provides high school students with the opportunity to discover and create stories. During this five-day, four-night immersive experience at The University of Alabama, students will practice skills and improve knowledge related to the fields of communication and media, develop connections with aspiring communicators, and become familiar with the college experience. Participants will work with cutting-edge technology alongside the nation's leading experts in areas such as advertising, communication studies, creative media, news media and public relations. Students entering grades 10-12 are eligible.

Cost: \$600, which includes lodging, meals, on-campus transportation and materials.

Forensic Science and Law Workshop at Duquesne University (Pittsburgh, PA)

<http://www.duq.edu/academics/schools/natural-and-environmental-sciences/academic-programs/forensic-science-and-law/summer-workshop>

What you need to know: Students and faculty of Duquesne University's Bayer School of Natural & Environmental Sciences offer this four-day forensic science and law workshop to high school students. Starting in 2017, this program is open to students from across the country. Activities include mock trial, DNA fingerprinting, forensic psychology, mock crime science, and blood splatter analysis.

Cost: In 2018, the participation fee was \$250 plus \$45-50 per night for a residence hall stay.

CDC Museum Disease Detective Camp

<https://www.cdc.gov/museum/camp/detective/index.htm>

What you need to know: This academic day camp is hosted at Center for Disease Control headquarters in Atlanta, GA. It is open to high school students in the summer before junior or senior year. Over the course of five days, students are immersed in the diverse field of public health. Most of the time is spent focused on the collection and analysis of data and the use of that data to improve people's health. Applicants must be 16 years old by the first day of the camp in order to comply with CDC's laboratory safety requirements. Two camps are offered, and each camp has thirty slots available. The application for camp is competitive, with several hundred students applying to camp each year. In 2016 over 450 students applied. This is a day camp; while students residing outside the Atlanta region are welcome to apply, they are responsible for their own lodging arrangements.

Cost: There is no cost associated with attending the CDC Disease Detective Camp, but campers are responsible for their own lodging arrangements (and evening supervision) and must pay for or bring their own lunches.

Culinary Intensive at North Dakota State College of Science

<https://www.ndscs.edu/academics/youth-programs/culinary-camp/>

What you need to know: This four-day culinary camp is geared toward individuals at least 16 years old with gourmet aspirations of a career in the culinary profession. NDSCS Culinary Arts faculty will help you discover and develop skills needed for success in the culinary world. Activities include learning French knife skills, working in a professional kitchen, and competing against fellow campers in an 'Iron Chef' competition. Participation is limited to 12 students.

Cost: \$50 nonrefundable application fee, plus \$150 due at the beginning of the camp. Lodging is included.

Summer Academic Sessions and Conferences

If you are interested in a longer duration pre-college programs such as the “Summer Academic Sessions” many colleges host for high school students, see the list below for a partial list of options. These programs tend to be several weeks in duration and might bear college credit, meaning that the cost will generally be much higher than most of the programs listed above.

Starting sophomore year, many students will begin hearing from organizations offering “summer leadership conferences,” usually implying that the student has been “nominated” and that these are highly competitive programs. It is important to know that PA never participates in the nominating process for these programs and that participation in them is not weighed heavily in the admissions process at competitive colleges. That said, attending one of these conferences can be an enriching and productive experience, particularly when aligned with a student’s well-defined interests.

- Northwestern University Programs for High School Students: <http://sps.northwestern.edu/program-areas/summer/high-school-programs/index.php>
- Furman University Summer Scholars: <http://furman.edu/summerscholars>
- Carleton College Summer Academic Programs: <https://apps.carleton.edu/summer/>
- National Student Leadership Conferences: <https://www.nslcleaders.org/>
- University of Notre Dame Summer Scholars: <http://precollege.nd.edu/summer-scholars/>
- Babson College Summer Study (Entrepreneurship): <http://www.babson.edu/admission/visiting-students/high-school/Pages/home.aspx>
- The George Washington University Pre-College Programs:
- Washington University Sam Fox School Pre College Programs (Architecture Discovery): <http://samfoxschool.wustl.edu/precollege>
- Yale Young Global Scholars: <http://globalscholars.yale.edu/>
- Harvard Pre-College Program: <http://www.summer.harvard.edu/high-school-programs/pre-college-program>
- University of Pennsylvania/Wharton School Pre-College Programs: <https://www.wharton.upenn.edu/pre-college-programs/>
- University of Pennsylvania/Arts & Science Summer Academies: <http://www.sas.upenn.edu/summer/programs/high-school/academies>
- Tulane University Summer School: <http://summer.tulane.edu/pre-college>
- Vanderbilt University Summer Academy: <https://pty.vanderbilt.edu/students/vsa/>
- Cornell College One Course Summer Institute: <http://www.cornellcollege.edu/one-course-summer-institute/>
- Loyola University Chicago Pre-College Summer Scholars: <https://www.luc.edu/summerscholars/>
- Minnesota Private Colleges Summer Enrichment Programs list: <https://www.mnprivatecolleges.org/advice/summer-enrichment-programs>