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56 Selective Choices

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All About Aerospace Engineering

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Declaring a Major
The Application Essay
Your Best Four Years STEM Grad Studies

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Stephanie Hill
ATTENDING: Clemson University
HOMETOWN: Greenwood, South Carolina

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- 00 No response
- 01 American Indian/Alaskan Native
- 02 Asian
- 03 Black/African American
- 04 Hispanic/Latino
- 08 Native Hawaiian/Other Pacific Islander
- 09 White
- 10 Other
- 12 Two or more races

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FAQs

Finding Your College Match
By Michael Hills, Denison University

How to Pay for College: Understanding All Your Financial Aid Options
By Jessica McCann

The Changing World of Standardized Tests in College Admission
By Julia Quinn-Szcesui

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There are more than 4,700 colleges and universities in the United States, so don’t limit your search to only the schools you recognize. The perfect college for you may be within these pages, even if you haven’t heard its name before!

Why should I use this magazine?
Consider this your introduction to some of the best schools in the country!
Inside you’ll find advice on choosing the right school for you, along with information on the admission process, financial aid, and much more. You can also use this magazine to learn more about the institutions that interest you.
To request information from schools, just visit our website, science.collegexpress.com, or fill out the attached postage-paid reply card. The colleges and universities you select will start recruiting you. Plus, when you register, you’ll be automatically entered to win our $10,000 scholarship to help finance your education!

You’ll find a lot more helpful stuff on CollegeXpress.com too, where you can discover additional schools, read advice, and use our scholarship search to connect with more than $7 billion in free money for college. 
Finding Your College Match

BY MICHAEL HILLS ★ DENISON UNIVERSITY

One of the strengths of the higher education system in the United States is the myriad of college options for high school graduates. But with so many college choices available and the variety among institutions, how do you go about the process of selecting the best fit without being overwhelmed?

Your college search is a great opportunity to begin discovering who you are and who you want to become, so it's important to remember that the search begins and ends with you. It is a long journey, but if you plan ahead and take it one step at a time, you will be just fine.
Your college search is a process of self-discovery that will end not only with an ideal school match but with a better understanding of yourself that will serve you well during your college years and beyond.

Most students begin the college search with the assumption that there is only one college that is right for them, and they somehow have to discover which one it is from the more than 4,000 colleges and universities in the United States. The truth is, there are probably many colleges where you will be happy and successful, and if you put the proper time and effort into the college search, you will end up with a good college match.

So how do you go about narrowing down your options? Start with asking yourself the toughest question of all: Who are you? Are you shy or outgoing? Do you like to play it safe or take calculated risks? Do you like to participate in classroom discussions, or are you more of a listener? Are you the type of student who can work independently, or do you need more individual attention from your teachers? Knowing your own personality, your strengths and weaknesses, the things that excite you or make you nervous, and your appetite for risk—these can be difficult questions for sure, but they are vital when thinking about which college is the best fit for you.

You should take your own personal inventory of what college-related considerations are most important to you. Some of these considerations should include:

- **Academic programs, opportunities, and student outcomes**: Does the college offer the programs of study that interest me? Can I study abroad? Are internships readily available? Can I conduct research with faculty or on my own? How strong is the career services department, and can I connect with the alumni network?
- **Size**: What size college will be the best fit both academically and socially? A liberal arts college with small class sizes, greater access to faculty, and guaranteed housing? Or a larger, research-based university with more choices and resources?
- **Location**: Do I want to attend college in a rural, suburban, or urban area?
- **Distance from home**: Do I want to be far away and on my own or close enough to travel home on the weekends?
- **Extracurricular activities and interests**: Does the college offer what I’m looking for when I’m not in class? How readily available are opportunities in art, music, theater, community service, and athletics?
- **Student diversity**: When I envision my classmates, what do they look like? Do they act, think, and look like me? Or am I more interested in surrounding myself and learning from students who are different from me? How does the college demonstrate its own commitment to all kinds of student diversity?
- **Academic rigor**: Is the intellectual challenge at this college one I’m ready and willing to undertake?

What percentage of students are working in their intended fields after they graduate?

**Researching your colleges**

After determining which of these considerations are most important, you can begin to research possible colleges that appear to be what you are looking for. Be cautious about adding colleges to your list just because they are considered “prestigious.” Conversely, be open to schools with which you may not be familiar.

Publications (and their websites) like *Private Colleges & Universities*, Peterson’s *The Insider’s Guide to Colleges*, *The Fiske Guide, Colleges That Change Lives*, and *The Princeton Review* are all great places to start your college research. Try to come up with a preliminary list of 12–15 colleges that seem like a good fit. Once you have identified potential colleges, check out their websites, see if there’s anyone you know at the school, attend local college fairs, speak with admission staff members or alumni, and attend information sessions from college representatives who visit your high school or local area.

And remember: you should never feel alone during the college search. Ask for assistance early and often. Guidance counselors, teachers, friends, and family are all good resources to use when beginning to compile your list of possible colleges.

**Deciding where to apply**

Your college list will probably be somewhat fluid, as you remove some colleges and add others. Continue to speak with your guidance counselor and family to help pare down your final list of colleges. While there is no right answer to how many applications you should submit, most students would be wise to apply to six to eight colleges with a range of selectivity, including “matches,” “reaches,” and “safeties.” It is important, however, to be
certain that each of the schools within these categories are colleges that you could envision yourself attending if need be—schools where you truly believe you would be happy.

Preparing your application

Once you’ve found a group of colleges that match your unique set of interests and expectations, you will want to make sure your college applications highlight why you would be a good candidate for admission. It’s your opportunity to “tell your story,” and here’s a hint: everyone has a good story to tell!

So how do you convince an admission office of all the great and unique qualities that make you a good match for their college? They will consider a lot of information when assessing which candidates to admit into their class. The key to acceptance at the college of your choice is evidence of strong academic performance throughout high school, so your transcript is the most important piece in telling your story. How challenging is your course load, and how did you perform within your chosen classes? Colleges also want to see what you may contribute to the wider campus community, and this is often evidenced by your extracurricular involvement, especially if you have held leadership positions. Most colleges want to see long-term commitments to extracurricular activities. Here, quality is better than quantity. (Take a look at the sidebar on this page for more info.)

Colleges want reinforcement of your personality, character, and diligence from those in your school who know you well, so be prepared to seek out a few teachers to write recommendations on your behalf. Meet with your guidance counselor so he or she can learn the things most important to you in your college search. You may also want to include a letter of recommendation from an employer, club advisor, or even alumni of the college to which you are applying. Be careful, though; having multiple letters of recommendation is not always a good thing. Make sure each letter you submit reveals something different from the others.

Most colleges will also require an essay or two. A successful essay will provide the admission committee insight into who you are and what is important to you. (You’ll find an in-depth guide to essay writing on page 20.) Finally, a personal interview is often the best way to tell your story; it’s an opportunity to sell your personality, character, and inquisitive mind.

Finding the right college match is mostly about finding yourself, determining what is most important to you, and identifying colleges that offer what you want. When you’re finally deciding on which college to attend, you should ask yourself one final question: will I be happy there? This is probably the most important of all, and many students forget to ask it. Can you envision yourself walking around the campus, living in the residence halls, and being actively involved in the community? Often your “gut instinct” is the best predictor of where you will be most happy. Know yourself and trust your instincts and you will find your ideal college—one that will provide you with friendships, experiences, and an education that will last a lifetime. ☛

Michael Hills is the Director of Admissions at Denison University in Denison, Ohio.
How to Pay for College: Understanding All Your Financial Aid Options

BY JESSICA MCCANN

Choosing a college is complicated. You’ve got to figure out what type of school you want, where to live, what to study, and—oh yeah—how to pay for it all.

With all those choices to make and all the action happening as you finish up high school, the last thing most students want to think about is the complicated world of financial aid. But financial aid can be one of the most important pieces of the college puzzle.

The yearly tuition at private colleges can top $50,000, and even state school tuition is rising at a staggering pace. Understandably, the average family doesn’t cover this entire cost on their own: almost 70% of students borrow money to help them get through college, and many others earn scholarships or grants. But how do you navigate the world of grants and loans when there’s so much information out there?

We’ve put together a quick overview of the financial aid options to consider as you make your college choice. Hopefully, this information will make at least one decision a little easier.

Free money (WOO!): grants and scholarships

The ideal financial aid scenario, of course, is to find a way to get people to give you money for college that you don’t have to pay back. Each year almost $50 billion in grant and scholarship money is awarded by the US Department of Education, private donors, and schools across the country. Colleges and universities award grants and scholarships are awarded based on need, talent, extracurricular background, or myriad other reasons.

Grants

Grants are a type of aid usually awarded by the federal government, often based on student/family financial need, that do not need to be repaid. The Department of Education then sends the money to colleges, which credit students’ accounts.

The most common type of federal grant is the Pell Grant, which is available to all undergraduate students who demonstrate financial need. To qualify, students must complete and submit the Free Application for Federal Student Aid, or FAFSA (see the sidebar for more information).

The maximum amount you can receive through the Pell Grant changes yearly. For the 2016–2017 award year (July 2016 to June 2017), the maximum award is $5,815. However, the amount you receive is based on a number of factors, including your financial need, the cost of attendance at your college, and how long and in what status you plan to attend (i.e., part time or full time).

One of the benefits of the Pell Grant is that it’s not affected by other aid, so the amount you receive won’t drop if you get any other scholarships. Additionally, each college or university receives enough money from the federal government to cover all the students who qualify, so there’s no danger of the money running out if you’re not the first to apply.

The federal Supplemental Educational Opportunity Grant (SEOG) is another type of grant awarded to students with an “exceptional” level of need. The program is administered through the financial aid offices of all participating colleges, so you should get in touch with your school to determine whether they participate and see how to apply. Awards can range from $100–$4,000 based on your need, and schools must pay out at least twice per year. Any SEOG funds you are awarded may be credited toward your tuition or paid to you directly, depending on the college.

Just like with the Pell Grant, students should fill out the FAFSA to determine their SEOG eligibility. Unlike the Pell Grant, however,
each participating college only has a certain amount of SEOG funding to work with, so this option is essentially first come, first served.

Other federal aid
There are a number of other financial aid options available through the federal government aside from the Pell Grant and SEOG. For example, if you plan to become a teacher in a high-need, low-income area of the country, you may be eligible for the Teacher Education Assistance for College and Higher Education (TEACH) grant. Additional government money is available for students who have completed community service with organizations like AmeriCorps, those with specific cultural backgrounds, children of service members, and more. A range of scholarships are available for students with specific interests, such as scholarships from the National Institutes of Health for students interested in studying science and medicine. (Check out the Types of Aid page on the US Department of Education’s Federal Student Aid website for more ideas about federal money you might qualify for.)

Scholarships: institutional (aka awarded by your college)
Most colleges and universities offer a range of scholarships for incoming students. Many institutional scholarships are based either on financial...
Think creatively and search diligently for scholarships that fit you.

need or merit (like grades or honors status), but schools can also offer them as an award for different reasons, such as being an active member of the school community or having a particular major.

The availability of scholarship money also varies from school to school. Although private colleges generally have higher tuition, they also often have more award money available than state schools do. Finally, colleges will vary in how you win scholarships too; some have additional financial aid applications, while some award scholarships based on your general application for admission. In any case, it’s important to ask your college financial aid office for scholarship information before you begin.

Scholarships: external (aka awarded by outside organizations)

Every year thousands of students apply for and receive scholarships from a variety of private funders and agencies. External scholarships can be the most surprising and rewarding sources of money to pay for your education. While many are based on academic merit, you can also earn scholarships for a variety of reasons, including your athletic abilities, cultural or religious background, family military history, hobbies, musical or artistic talents, professional interests or job, and more.

Think creatively and search diligently for scholarships that fit you. Check with cultural or recreational organizations you and your parents are part of, or ask your parents to see whether their employer might have a scholarship program available to you. Both your high school counselor and college financial aid counselors can be invaluable resources in your search for scholarships. Ask them if they can direct you to a listing of scholarships for students with grades and interests similar to yours. Additionally, you can try an online search. Check out the US Department of Labor’s free scholarship search tool, or use trusted sites (like CollegeXpress.com/Scholarships!).

If an award seems sketchy, avoid it or ask your counselor if it’s a scam. Remember, there’s no such thing as a “guaranteed” scholarship or a scholarship you need to pay to apply for. At the end of the day, if it sounds too good to be true, it probably is.

Borrowed money: federal and private student loans

Once you’ve exhausted your grant and scholarship opportunities, loans can help cover the difference—just consider your options carefully before you commit.

Federal loans

Federal loans tend to have lower interest rates and more flexible repayment plans than private loans. Before you look into private loans, exhaust all your federal loan options. There are several types of federal loans available, and as with grants, you can apply for all of them using the FAFSA.

The Stafford Loan is the most common type of loan for undergraduates. There are two types: subsidized and unsubsidized. Subsidized loans, which are awarded based on financial need, don’t accrue interest while you’re in school. Unsubsidized loans are not need-based and accrue interest while you’re in college.

Many students are offered a combination of the two by the government. Through the Stafford program, students who are financially dependent on their parents—and the vast majority of undergraduate students are—can borrow up to $31,000 over the course of their college education; financially independent students can borrow up to $57,500.

The Perkins Loan is an option for students who have financial need above and beyond what the Stafford Loan covers. Perkins Loans are among the cheapest loans available in terms of interest, charging zero interest while you’re in school and a fixed 5% interest rate afterwards. Undergraduates can borrow up to $27,500. However, each college has only a certain amount of Perkins funding available, and Perkins Loans are currently being phased out. The last loans will be available in September 2017.

Parent PLUS Loans are another federal option. They have a lower interest rate, and significant amounts of money are available, so they are a great source of money to cover what you can’t get from the Stafford Loan (especially once Perkins Loans are totally phased out). However, there are a few caveats: unlike other federal loans, they are available only to creditworthy borrowers and require a credit check. Additionally, if the student defaults on loan payment, parents will also be subject to collections. However, if you and your parents have a good credit history, they are still a great alternative to private loans.

Private loans

Private loans can help fill the gaps when grants and federal loans won’t cut it. You’ve probably heard the names of private lenders before—companies like Sallie Mae, Wells Fargo, and Student Loan Network are the most well known.

If you’re considering private loans, contact your college’s financial aid office to get more information. Many schools work with a preferred lender to get special interest rates. In addition, loan limits, fees, and interest rates can be incredibly difficult to understand. College financial aid officers deal with these loans all the time, so they can tell you what the terms mean in plain English.

And if you are able to pay some of your private loans while you’re in college, do it! This can save you lots of money in interest down the road.

scholarships!}
This Is the FAFSA

What is the FAFSA?
The Free Application for Federal Student Aid, or FAFSA, can be your most important ally in your quest to secure financial aid. The government uses the information you provide on this form to assess your eligibility for grants and scholarships, federal loans, and work-study. In addition, colleges and private scholarship organizations can use the FAFSA to determine your eligibility for other aid. In short, it’s the easiest and fastest way to get money for college.

How do I fill out the FAFSA?
Filling out the FAFSA has the reputation of being a drag, but in recent years the government has streamlined the process. To begin, visit the US Department of Education’s FAFSA page—fafsa.ed.gov. Although online submission is encouraged, there is also a paper form available. (If you’re doing it online, be sure to fill out the form directly through the federal website and not through a third-party site!) Ask your parents to help you with the FAFSA, as you’ll need information about your family’s income, taxes, and assets as well as your own.

When should I do it?
ASAP after October 1! It used to be after January 1 of a given year, but the federal government changed it, effective as of 2016. For example, students who plan to enroll in college for the 2017–2018 academic year could send in their FAFSA as early as October 1, 2016, using tax info from 2015. Just keep in mind that certain types of aid are first come, first served, so don’t delay in filing your FAFSA! And keep track of your state’s financial aid deadlines, because they may differ from federal.

Important!
Don’t forget: you need to work individually or with your parents to fill out the FAFSA every year you attend college. Also many people assume that if they aren’t in a low-income situation, they won’t qualify for financial aid, but you might be surprised. And even if you don’t currently qualify for aid, if your circumstances change—for example, if a parent loses a job and the amount your family is able to contribute to your education drops drastically—you want to be sure you have all recent FAFSAs on file so you will be eligible for the highest possible amount of aid.

Earned money: work-study
Another way to help pay for college is federal work-study. Work-study is only available to those who qualify (determined by the FAFSA), but if you do, it can be a great way to pay for smaller expenses like books and food while at college. Part-time work-study positions are offered through your college and pay at least federal minimum wage. The total award and hours available are based on your level of financial need, your school’s total funding, and when you apply.

Many work-study jobs focus on civic education or your field of interest, so they can provide excellent work experience too. Other more general jobs can include things like working at the sign-in desk in your dorm, assisting RAs with administrative tasks, or helping out in the school’s computer lab or library. Some work-study jobs even allow students to do their homework during down time—and what could be better than getting paid to study?

See the Work-Study Jobs page on the US Department of Education’s Federal Student Aid site for more information.

The search is on!
Now that you have all the info, it’s your turn to uncover which financial aid opportunities are right for you. Investigate and understand your options thoroughly, fill out the FAFSA to qualify for government grants and loans, and then talk to your school counselor about other funding options. With a combination of free, saved, and earned money, you can minimize your college debt and focus on the more important (and fun) choices.

Jessica McCann is a freelancer based in the Boston area.
The Changing World of Standardized Tests in College Admission

BY JULIA QUINN-SZCESUI

When high school students hear more and more colleges aren’t requiring any standardized tests in the admission process, they get a little suspicious. After feeling the initial relief, they wonder if it’s too good to be true.

In short, this test-optional trend really is happening—but it’s not so universal that you can just write off the exams altogether.

Lots of colleges and universities are deciding the long-used standardized tests don’t give them enough information about a student to require them for admission. The tests aren’t without controversy either; organized groups wage battles and bring lawsuits against the test companies claiming the tests are discriminatory and not used properly. However, the majority of colleges still believe test scores provide useful information about their applicants. And they still require them.

Whether you choose to take a standardized test or not is up to you, but most experts, even if they don’t agree with standardized tests in
theory, say most students need to take them. So…what exactly do college admission folks want from you on the standardized test front? Let’s take a closer look.

What is “test optional” about?
Colleges with test-optional admission policies make sending in test scores just that: optional. You get to choose whether to send your scores to that school or not. If you took the ACT and did well, you can send the score as part of your application packet. If you weren’t happy with your score, you can leave it out. However, it’s important to keep in mind that other things may take the place of the standardized tests. For example, test-optional schools may ask for graded writing samples. And, without tests, other parts of the college application (GPA, rigor of high school classes, essay, etc.) may become more valuable.

“In the last couple of years, there’s been a sharp surge in more schools going test optional,” says Bob Schaeffer, Public Education Director of FairTest: The National Center for Fair & Open Testing, a nonprofit in favor of—you guessed it—test-optional admission policies. “More and more schools are recognizing that test scores don’t play a necessary or even useful role in the admission process.”

But even Schaeffer’s test-optional world doesn’t let today’s high school juniors and seniors off the hook. “The reality for high school students is that they will likely apply to one school that requires the test,” he says. Another standardized test critic, Jon Reider, Director of College Counseling at San Francisco University High School and the co-author of Admission Matters, says he should be thrilled with the tests, as students at his school turn out consistently high scores, but he believes the tests are more detrimental than helpful. Still, he wouldn’t advise any of his students not to take them because they’re part of today’s college application landscape.

What tests are we talking about anyway?
Traditionally, high schoolers have taken the SAT or the ACT in their junior and/or senior years. Some colleges also require at least one of the 20 SAT Subject Tests, which measure proficiency in a specific subject such as biology, math, chemistry, world history, and various languages. Many students take the ACT or SAT more than once in hopes of increasing their scores, which are then sent to the colleges the student is thinking of applying to.

In spring 2016, the College Board (the company that administrers the SAT) debuted a revised version of the SAT they said would “measure the essential ingredients for college and career readiness and success, as shown by research and have a stronger connection to classroom learning.” (However, many critics said they were just trying to be more competitive with the ACT, which recently eclipsed the SAT as the more popular admission test.) Major changes to the new SAT included not taking off points for wrong answers, a focus on more “real-world” math, and bringing back the old 1600-scale scoring and an optional essay.

The SAT sections are Reading, Math, and Writing & Language, with a higher emphasis on critical reading and analysis. The ACT focuses instead on four tests of English, Math, Reading, and Science, with a higher emphasis on general knowledge. And now both tests have an optional Writing/essay portion, but some colleges and universities may still require it.

How do admission counselors weigh test scores?
With all the focus on standardized tests, it’s sometimes hard to see the scores as only one part of the admission process.

“In my admissions office, the single most important factor is the quality of the curriculum a student has engaged in and the achievement in those courses,” says Michael Beseda, Vice President of Enrollment and University Communications at Willamette University, which plans to transition to test optional in fall 2017. “If you’re working very hard in your classes, that’s what’s going to get you into college, not one test on one weekend.”

David Hawkins, Executive Director for Educational Content and Policy at the National Association for College Admissions Counseling, explains he’s doing research, the most significant part in college admissions decisions across the board is the grades you earn in high school,” he says. “We want to clear up any misconceptions that a test score will make or break them in the admissions department.”

Experts want parents and students to remember that even a perfect test score doesn’t guarantee admission to any school. It’s quite the achievement, to be sure. But from a college admission perspective, if it comes from a student who does no other activities, spends the summer in a test prep camp, and writes a poor application essay, it doesn’t mean as much. “Schools that are moving to test optional say they can’t tell if the high test scores are the result of a well-read verbal kid or of one whose parents spent $15,000 on test prep,” says Schaeffer.

Essentially, colleges use your application to figure out if you’re a good match for the school. No test score tells them that, but the high school transcript, extracurricular activities, community service efforts, and essay give a better picture, says Reider.

Beseda says the admission office thinks about high school courses in the context of the school each student comes from, and they see if students are challenging themselves. “If they are, that’s the single best predictor of success in college and the most important factor,” he says. But test scores can help the admission
team as well. For instance, a student with mediocre grades but exceptional test scores might warrant a little more investigation.

Madie Duffey, a senior in Leominster, Massachusetts, knows standardized tests aren’t everything, but she says their importance still weighs heavily on her. “I think that it would be smart of colleges to make it optional,” says Duffey, who took a few free practice tests online and signed up for an SAT prep app. “Some people cannot take tests [well], yet they know the content better than anyone else. Tests like these can be extremely stressful since you don’t know what will pop up.”

Reider says the colleges that decide to go test optional do so because they are placing a different value on a student’s record. But although the trend is growing, he doesn’t see the majority of schools tipping to test optional any time soon.

With 70%–75% of four-year colleges requiring at least one standardized test, Hawkins says colleges see SAT and ACT scores as useful. “The tests have become interchangeable within the college admissions requirements,” he says. “The construction and philosophy on the tests are different, but the predictive ability of the tests are the same. Only a handful [of colleges] prefer one over the other.” Translation: it doesn’t really matter if you take the SAT or ACT.

How should you prepare for the tests?

Amid all the anxiety about test scores and where they fit into the college application process, standardized test prep companies—think Kaplan, The Princeton Review, or local tutors—are reaping the benefits of students and families terrified over test scores. Not only that, the families that don’t (or can’t) send their students to an expensive test prep course worry their kids will be at a disadvantage. But is test prep worth it?

In a word, yes—but not exactly in the way you might think. “In our test prep research, the largest share in an increase on test scores is associated with familiarity with the tests,” Hawkins says. Essentially, the better students know the tests, the better they tend to do. And you don’t need to take a test prep course to get to know the SAT and ACT.

Because the tests are a standardized assessment of all the different information a typical high school student has amassed, you can’t really cram for them. Instead, test prep is effective because it helps you get comfortable with the test format and what it feels like to take it. “The most important part of any test prep is taking the practice tests,” says Schaeffer. “You learn how fast you have to go and you get comfortable with making guesses. If your practice tests reveal to you to be in the [score] range of the schools you are applying to, take the test once and get on with your life.” And if your scores are lower than what your chosen schools are looking for, that might be a nudge to get a little more practice under your belt. You can review your results to see where your weak spots are. Practice tests can also help you figure out if you perform better on one test over the other.

You should set aside time and take practice tests until you feel comfortable with the style and content. There are many free or cheap SAT practice options available today, including several free programs through Khan Academy and the College Board site. With the ACT, for example, you can download a free Preparing for the ACT booklet. Test prep might also be offered through your high school, or you can order test prep packages online. If you’re more social, sign up for a class or hire a tutor. You can also sign up and get a weekly practice question for the ACT or a daily SAT practice question. The more exposure you get to each test, the better.

So, should you take standardized tests?

Another short answer: yes. Even if you’re applying exclusively to test-optimal schools, taking a test gives you options, say the experts. It’s almost impossible to know with total certainty that you will only apply to test-optimal schools when the SAT comes around in your junior year, says Reider. And you might change your mind entirely during senior year.

But above all else, put college admission tests into perspective. Don’t blow them off, but don’t expect them to change your world either. “Do the best you can do,” says Reider. “Take a couple of Subject Tests, do the essay. Forget the score choice and just send all your scores.”

Hawkins agrees. “Focus your energy on your course work,” he says. “Given that the tests are a fact of life, then practicing can help. Becoming familiar with the test format is the best thing you can do. If you familiarize yourself with the tests, then you are on your way. Tests are only one piece of the puzzle.”

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Campus Visit Scavenger Hunt

You wouldn’t buy a car without a test drive. You wouldn’t purchase a home without going to the open house. You wouldn’t marry someone without spending some time together first (unless, maybe, you were on The Bachelor). Why should choosing a college be any different?

College is a major investment, and the only way to really know if you’ve found the right fit for you is to see it in person. That’s why campus visits are such an important piece of the college search puzzle. And now we’ve found a way to make them even more fun...

Go on our Campus Visit Scavenger Hunt!

On the next page you’ll find our official Campus Visit Scavenger Hunt map. Okay, we know your colleges won’t look exactly like this, so don’t take it too literally. (You might get lost!) But the buildings and landmarks listed can be found at practically every college—and they’re all places you should try to see during your visits.

Take the map along on your next campus visit and check off all the stuff you can find. We’ve also included questions to help you learn more about your colleges; use them as a guide to talk to students, professors, and staff at each stop.

Important stops

These are all the essential buildings and areas to check off on your campus visits! You’ll find more details on the map, but here is a helpful introduction to each landmark so you can make your quest a success:

- **Student union:** The hub of campus life; could also be called a hall, center, or commons.
- **Library:** Students may be busy here, so be sure to respect the quiet.
- **Dining hall:** Depending on the size of the school, there could be one dining hall or several. Try to eat at least one meal on your visit!
- **Dorms:** They’re sometimes scattered all over campus, so focus on where you’ll be living as a first-year student if you’re in a time crunch.
- **Academic buildings:** These may also be all over campus, so center your attention on your future major department’s headquarters if you have a program of interest.
- **Athletic facilities:** If there’s a game going on while you’re visiting, go!
- **Recreation and fitness center:** See if there are some classes, rec clubs, or exercise equipment you enjoy, since most gym memberships are included in your tuition and fees.
- **Administrative offices:** You don’t have to visit all these buildings, but you should try to meet with an admission counselor so they’ll have a face to associate with your application.
- **Health facilities:** Hopefully you won’t be spending a lot of time here, but it’s important to know where they are just in case.
- **Career center:** Not just for seniors! You should make this office one of your first stops when you start classes.

**Auditorium or performance center:** Check out all those flyers at the student union to see if there’s a concert, lecture, or student production going on while you’re visiting.

**Campus mall or quad:** There will be plenty of students hanging out here if you visit during the school year, so don’t be shy—introduce yourself and ask them a few questions!

**Bonus finds:** See the map for details. You won’t find these on every campus, but we’ll give you extra points if you do.

Let us know how it goes!

We want to know how much you find on your Campus Visit Scavenger Hunt! Turn to the map for details on how to report back. (We might even send you a little something for your trouble...)

We hope this new spin on the campus visit makes for a fun, informative day at your prospective schools. Good luck, and let the games begin! 🎉
Look! We found one for you! How many can you find?

- **Administrative buildings**
  - Are there any institutional scholarships available?
  - Can you set up an interview with an admission counselor?
  - How easy is it to request a copy of your transcript?

- **Health facilities**
  - What kinds of physical and mental health services are offered?
  - How do students typically pay for wellness center services and treatment?
  - Are any stress-relief initiatives offered?

- **Career center**
  - Where have students interned?
  - What kinds of on-campus or local part-time jobs are available?
  - Do students have access to career services after they graduate?

- **Auditorium or performance center**
  - What kinds of movies, plays, concerts, and lectures are happening around campus?
  - Is entertainment free or discounted for students?
  - Can you participate in productions even if you aren’t an arts student?

- **Student union**
  - What kinds of cultural, religious, and professional groups have offices here?
  - What’s the social vibe like on campus?
  - How involved are students in extracurricular activities?

- **Campus mall or quad**
  - How easy is it to get around campus?
  - How friendly and welcoming are students and staff?
  - Can you picture yourself here: reading in the grass, tossing a Frisbee, or hanging out with friends?

- **Student-run organizations/offices**
  - Bookstore
  - IT center
  - Bank or ATM

- **Lounges**
- **Restaurants or other dining options**

- **Count 'em up!**
  How many did you find? Tally up your checkboxes and share with us! @CollegeXpress on Twitter, Facebook, Google+, and Instagram
Students have access to a variety of academic buildings, including classrooms, lecture halls, academic department headquarters, a writing or tutoring center, and laboratories or research facilities. They can ask about the accessibility of professors, the role of teaching assistants in teaching classes, and the opportunities for student-faculty research.

The library offers a computer lab, printers and copiers, group and individual study spaces, and comfy chairs and couches. Students can inquire about the academic vibe, midterms and finals, and the existence of an interlibrary loan program.

The cafeteria provides vegetarian/vegan options, international dishes, and locally sourced ingredients. Students can ask about meal plans and accommodation for food allergies or special dietary needs.

In the recreation and fitness center, students can find cardio equipment, weight rooms, basketball, volleyball, racquetball, and tennis courts, as well as a pool. They can explore the popularity of the gym, opening hours, unique fitness offerings, and club and intramural sports.

The athletic facilities include an arena and/or football stadium, running track, soccer, baseball, and softball fields. Students can inquire about campus sporting events, student engagement during games, and access for non-varsity players.

Student housing options include co-ed dorms, single-sex dorms, gender-neutral dorms, freshman-only dorms, upperclassman dorms, and on-campus apartments. Questions can focus on the number of dorms, differences, student population, and safety measures.

Dining hall features vegetarian/vegan options, international dishes, and locally sourced ingredients. Students can ask about the variety of food, catering for allergies, and meal plans.

Academic buildings, library, dining hall, recreation and fitness center, athletic facilities, and student housing are integral parts of college life. Each section offers unique experiences and opportunities for students to engage with the campus culture and community.
As you go through your college application process, there will come a time when you think to yourself: “I wish I could peek inside college admission counselors’ brains. Just so I could know what they’re thinking. Just for a second!”

Well, we’re here to tell you: they wish you could too.

Here’s what admission counselors from colleges and universities across the country wish you knew about your college search and the application process.

So remember their words—and don’t be afraid to ask them your questions!

And if you’re looking for more expert college help—whether it’s with your college search and admission questions, financial aid, picking a major, student life, internships, and more—make sure you visit CollegeXpress.com. (Especially the Ask the Experts page!)

Make sure you are applying early. A lot of time students wait until the last minute to apply and then they miss out on scholarship opportunities. And I know that’s pretty much the same across the board, regardless of it being a private or a public school, or STEM-focused or liberal arts.

— Michelle Powell
Admissions Counselor
Florida Polytechnic University

When we review an application, a big part of the decision comes down to a few questions: Will the applicant be successful here? Will the applicant take advantage of all the opportunities at the university?

— Timothy Lee
Director of Undergraduate Admissions
University at Albany

Seek out scholarships. They will not come directly to you; you will need to do some digging. Talk to your high school counselor, your pastor at church, your parents’ workplaces, etc. Apply like crazy to outside scholarships, and keep an eye on those deadlines!

— Tina Miranda
Assistant Director of Admissions
Grand View University

Know your college cost terminology: what is the difference between scholarships (merit-based aid) and financial aid (need-based aid)? Are you asking about total cost of attendance...
(includes room and board) or just tuition? It can be a minefield of terms, so ask for clarification if you are confused. Also, don’t limit your initial college searches by assuming out-of-state or private schools are cost prohibitive. There are so many great institutions that offer fantastic scholarship awards and financial aid packages that you do yourself a disservice by automatically discounting them.

— Anne-Browning Wilson Assistant Director—Texas, West Coast Mississippi State University

Don’t be afraid to ask the questions you feel like you need to lean in and whisper to say. There is no silly question, and when it comes to choosing the place you’ll call home for the next several years, everything you feel matters. I promise, we’ve heard it all.

— Lauren O. Wallace Associate Director of Recruitment University of Pittsburgh

If you’re undecided, it’s okay! High school seniors feel so much pressure to have a major chosen by the time they get to college, but there is actually no rush. It is better to be undecided for a year and get some classes under your belt than to jump into something that may not be right for you. Explore classes to make sure you choose a degree that you’ll enjoy.

— Amy D. Smith Director, Office of Admissions Georgia Southern University

It’s more like buying land that you learn to develop over time. Furthermore, higher education can provide the learning environment to maximize your potential and your personal development while providing opportunities to practice leadership, making ethical decisions and acting responsibly as members of a global society.”

— Dean Altstaetter Coordinator of Outreach Recruitment and Enrollment Advisor Ohio Northern University

I wish students knew that there is no “one perfect college” for them. There may be four, six, eight, or more. The goal isn’t to find that magical perfect fit but to do research, visit campuses, and find one of the colleges that will be a great fit and go there.

— Teege Mettille Executive Director of Admissions Northland College

The university you pick should be more than just the campus. Explore the city and make sure it offers everything that makes you you. Your university should be surrounded by a community that supports your passions with internship or career opportunities as well as places for fun and relaxation.

— Kristin Harris Senior Enrollment Counselor Boise State University

Admission counselors are here to support you. Whatever your question, reach out to us. We are here for you! And we love answering questions and want to make sure you have all the information you need in making your college selection.

— Danielle Widmer Assistant Director of Admissions University of Wisconsin—Eau Claire

When it comes to application essays, edit, edit, edit. We read a lot of college apps, and it’s clear who cared enough to take it seriously and who simply wanted to apply to another school. Colleges differ a great deal, and what makes sense for one will not necessarily make sense for another.

— Paul Charles Admissions Officer Eastern University

The admission process is not as complicated as you may think! Help us help you by doing your best to stick to suggested deadlines and communicate any questions so we can do our best to serve you!

— Stephanie Sisk Admission Counselor Southeastern University

I wish high school students knew that they cannot wait until May of their senior year to start applying for scholarships, and that freshman-year decisions will influence their future finances.

— Stephen Bailey Admission Counselor Southeastern University
Your college application essay needs to capture your personality and breathe life into your application, explaining who you are even if the person reading it knows nothing else about you. But that’s not nearly as scary as it seems, because you get to choose what to share and how to share it.

Take a minute and think about the admission officers who will be reading your essay and how it will convey your background. What makes you unique? If you had the opportunity to stand in front of an admission committee to share a significant story or important information about yourself, what would you say? The college application essay is your chance to share your personality, goals, influences, challenges, triumphs, life experiences, or lessons learned. These are the stories behind the list of activities and leadership roles on your application.

One of the most common struggles students encounter is resisting the urge to squeeze everything they’ve seen, done, and heard into their essay. But your application essay isn’t your life story in 650 words. Instead, pick one moment in time and focus on telling the story behind it.

Admission officers realize that writing doesn’t come easily to everyone, but with some time and planning, anyone can write an application essay that stands out. One way to do that is to work step-by-step, piece-by-piece. The end result should be a carefully designed, insightful essay that makes you proud.

Brag. Write the story that no one else can tell.

1 Get to know your prompt

Ease yourself into the essay-writing process. Take time to understand the question or prompt being asked.

The single most important part of your essay preparation may be simply making sure you truly understand the question or essay prompt. When you are finished writing, you need to make sure that your essay still adheres to the prompt.

College essay questions often suggest one or two main ideas or topics of focus. These can vary from personal to trivial, but all seek to challenge you and spark your creativity and insight.

- Read the essay questions and/or prompts. Read them again. Then, read them one more time.
- Take some time to think about what is being asked and let it really sink in before you let the ideas flow.
- Before you can even start brainstorming, define what it is you’re trying to accomplish. Is this essay prompt asking you to inform? Defend? Support? Expand upon?
- If it doesn’t already, relate the question back yourself by asking, “How does this—or how could this—apply to me?”
- Avoid sorting through your existing English class essays to see if the topics fit the bill. These pieces rarely showcase who you are as an applicant.

2 Brainstorm

Get your creative juices flowing by brainstorming all the possible ideas you can think of to address your college essay question.

Believe it or not, the brainstorming stage may be more tedious than writing the actual application essay. The purpose is to flesh out all of your possible ideas so when you begin writing, you know and understand where you are going with the topic.

- Reflect. You have years to draw from, so set aside time to mentally collect relevant experiences or events that serve as strong, specific examples. This is also time for self-reflection. “What are my strengths?” “How would my friends describe me?” “What sets me apart from other applicants?”
- Write any and all ideas down. There’s no technique that works best, but you’ll be thankful when you are able to come back to ideas you otherwise might have forgotten.
Step-by-Step
Through Your
Application Essay

You already know how to write an academic essay: you start with an introduction, throw in a thesis statement, find about three paragraphs’ worth of evidence, and wrap it all up with a tidy conclusion...

Now forget all that, because learning how to write the college application essay is totally different.

BY LORI GREENE  >  BUTLER UNIVERSITY

3 Create an outline
Map out what you’re going to write by making an outline.
Architects use a blue print. A webpage is comprised of code. Cooks rely on recipes. What do they have in common? They have a plan. The rules for writing a good essay are no different. After you brainstorm, you’ll know what you want to say, but you must decide how you’re going to say it. Create an outline that breaks down the essay into sections.

• Narrow down the options. Choose three concepts you think fit the college application essay prompt best and weigh the potential of each. Which idea can you develop further and not lose the reader? Which captures more of who you really are?
• Choose your story to tell. From the thoughts you’ve narrowed down, pick one. You should have enough supporting details to rely on this as an excellent demonstration of your abilities, achievements, perseverance, or beliefs.
• Strategize. How are you going to open your essay? With an anecdote? A question? Dialogue? Use of humor? Try to identify what the tone of your essay is going to be based on your ideas.
• Stick to your writing style and voice. It’s particularly important when writing a piece about yourself that you write naturally. Put the words in your own voice. By planning the layout of your essay ahead of time, you’ll avoid changing your writing style mid-story.

4 Write the essay
Once you are satisfied with your essay in outline format, begin writing!

By now you know exactly what you will write about and how you want to tell the story. So hop on a computer and get to it. Try to just let yourself bang out a rough draft without going back to change anything. Then go back and revise, revise, revise. Before you know it, you will have told the story you outlined—and reached the necessary word count—and you will be happy you spent all that time preparing!

• Keep your essay’s focus narrow and personal. Don’t lose your reader. Start with your main idea, and follow it from beginning to end.
• Be specific. Avoid using clichéd, predictable, or generic phrases by developing your main idea with vivid and detailed facts, events, quotations, examples, and reasons.
• Be yourself. Admission officers read plenty of application essays and know the difference between a student’s original story and a recycled academic essay, or—worse—a piece written by your mom or dad or even plagiarized. Bring something new to the table, not just what you think they want to hear. Use humor if appropriate.
• Be concise. Don’t use 50 words if five will do. Try to only include the information that is absolutely necessary.

5 Proofread
The last step is editing and proofreading your finished essay.

You have worked so hard up until this point, and while you might be relieved, remember: your essay is only as good as your editing. A single grammatical error or typo could indicate carelessness—not a trait you want to convey to a college admissions officer.

• Give yourself some time. Let your essay sit for a while (at least an hour or two) before you proofread it. Approaching the essay with a fresh perspective gives your mind a chance to focus on the actual words, rather than seeing what you think you wrote.
• Don’t rely solely on the computer spelling and grammar check. Computers cannot detect the context in which you are using words, so be sure to review carefully. Don’t abbreviate or use acronyms or slang. They might be fine in a text message, but not in your college essay.
• Have another person (or several!) read your essay, whether it’s a teacher, guidance counselor, parent, or trusted friend. You know what you meant to say, but is it clear to someone else reading your work? Have these people review your application essay to make sure your message is on target and clear to any audience.
• Read your essay backwards. This may sound a bit silly, but when reading in sequential order, your brain has a tendency to piece together missing information, or fill in the blanks, for you. Reading each sentence on its own and backwards can help you realize not only typos and mistakes in grammar, but that you may have forgotten an article here and there, such as “a” or “the.”
• Read your essay out loud. This forces you to read each word individually and increases your chances of finding a typo. Reading aloud will also help you ensure your punctuation is correct, and it’s often easier to hear awkward sentences than see them.
• Check for consistency. Avoid switching back and forth from different tenses. Also, if you refer to a particular college in the essay, make sure it is the correct name and is consistent throughout the piece. You don’t want to reference two different schools in the same paper!

6 Tie up loose ends
Celebrate finishing what you started.

Writing the college essay takes time and effort, and you should feel accomplished. When you submit your essay, remember to include your name, contact information, and ID number if your college provided one, especially if you send it to a general admission e-mail account. Nothing is worse than trying to match an application essay with no name (or, worse, an e-mail address such as donutsarelife@domain.com) to a file. Make sure to keep copies of what you sent to which schools and when—and follow up on them! Be certain the college or university you are applying to received your essay. You don’t want all that hard work to go to waste! 🏷️

Lori Greene is the Vice President of Enrollment Management at Butler University in Indianapolis, Indiana.
You’re breezing through your college apps, and then this seemingly life-changing question stops you in your tracks: what is your intended major?

Maybe you feel pretty certain about checking off “Biology” or “Marketing and Communications” or “Civil Engineering.” Maybe you have no idea what you want to major in and you’re ready to say “undecided” and leave it at that.

There really isn’t a wrong answer here. However, there are advantages and disadvantages to declaring a major (or not) on your applications.

PROS & CONS: Declaring a Major On Your College Applications

BY JESSICA TOMER

What does declaring a major on your college applications really mean?
And more importantly, should you do it?
What does declaring a major on your college application actually mean?

Well...it depends.

Sometimes declaring a major on your application is basically saying to admission folks, “Hey, I’m really interested in this subject.” And if you change your mind down the road, NBD. This tends to be true at liberal arts schools in particular, like Grinnell College. “The majors students list on their applications have no bearing on admission to the college,” says Director of Admission Gregory W. Sneed. “The fact that a student lists an intended major on his or her application tells us a little about the student’s academic interests, but we do not put much stock in it.”

It’s similar at Scripps College, says Director of Admission Laura Stratton. She points out that most students simply haven’t experienced enough in their 17-ish years to make an informed major choice when they’re applying. And a lot of colleges take that into account.

Other times, however, declaring a major on your college apps is more serious. It can be the same as saying, “I want a spot in this program at your school. Not that program. This one.” When that’s the case, your application will be judged against all the other students interested in that program, and you could be making a pretty serious commitment to that academic path.

But here’s the crazy part: there are some colleges out there that require students to declare a major (or a first-choice major and some backups) and some that encourage students to remain undecided for a year or two. It varies from school to school—and it’s up to you to figure out where your potential colleges stand.

Be aware of the admission process and options at the schools you are considering,” advises college admission consultant Eddie LaMeire. “For instance, the University of Illinois at Urbana-Champaign has a tremendous Computer Science program. It is also very competitive. However, UIUC allows students to be considered for admission into general studies in the event that they are not admitted to their first-choice major. Conversely, in the case of UC Berkeley, students have one chance at a major. In the event that they apply to the College of Engineering and they’re denied, there’s no safety net of an alternate major to be admitted to.”

Luckily, a little online sleuthing or a phone call to the admission office might be all it takes to figure out how your colleges consider declared majors. Then, once you know, you can make an informed decision. Beyond that, here are some general pros and cons for declaring a major or going in undecided.

Declaring a major

Pros

You probably have at least some inkling of what you want to study, and declaring a major might make you a more attractive candidate to your colleges, both for acceptance and financial aid. If you’re declaring an underrepresented major or you’re an underrepresented candidate in your major, the school may be even more likely to admit you.

Another big advantage to declaring a major is eligibility for major-specific scholarships. These could be awarded through the college, or you may find scholarships through outside organizations. A less lucrative but still fun “pro” is the ability to live in special major-specific campus housing.

Declaring a major can be especially helpful if you’re interested in a program that dives into its course work early on. For example, many Engineering programs include major prerequisite classes as early as freshman year. So if you’re considering such a major, you’re probably better off declaring it when you apply, because catching up with the pre-reqs and transferring into the program later on may be difficult.

Having a specific major in mind can also help strengthen your overall college application. You can showcase your sincere interest in your major both through the activities you list and in your application essay. For example, a future Business major could write about any side hustles they’ve started. You’ll give admission reps a clear picture of the kind of student you’ll be—and make a strong case for a spot in their freshman class.

“Noting your intended major on a college application is generally a good idea, because it shows admissions committees that you have a firm direction and plan for the future,” says Stephen Black, Head Mentor at the admission consulting firm Admissionado. “Even if you’re not 100% sure that this will be your major—and virtually nobody is certain—it nevertheless shows that you are interested in exploring a particular field.”

Cons

In some cases, declaring a major on your college apps can complicate things. On the one hand, declaring can help you distinguish yourself. “This is particularly true in the case of students applying to majors in Engineering, Business, Fine Arts, and other competitive fields,” says LaMeire. On the other hand, in those same competitive majors, admission standards (like test scores, high school course rigor, and math abilities) tend to be higher. So you’ll probably be up against more competitive applicants too, LaMeire adds.

Stratton says a declared major can sometimes have a stronger impact on your college trajectory than you might want as well. When colleges require students to declare a major when they apply, it may be difficult to change majors after enrolling, she says. That’s not to say you can’t change your mind; in fact, if your admission credentials weren’t up to
snuff to get into a more competitive major the first time around, you can spend a year improving your GPA to (hopefully) get in later—but there's also no guarantee a spot will be open. (This is why trying to “sneak” into a school by declaring an “easy” major and then switching is a bad idea.)

If you have questions, talk to admission reps at the schools you're considering. Ask questions like, What happens when students want to transfer into a particular major? Are spaces limited? Do students still tend to graduate on time?

And remember, even if you already know...or think you know...or sorta-kind...almost know...what you want to major in, it's still good to keep an open mind. You just might end up changing your major anyway. In fact, most students—an estimated 50%–70%—do. As Sneed says, “College is a time to explore your interests.”

**Applying as undecided**

**Pros**
Don't know what you want to major in? All the experts agree: that's okay! “There are some students who have their lives planned out from the time they are in middle school. But the majority of students need a little more time than high school to figure out their academic interest and their professional focus,” LaMeire says.

If you do need more time, “it’s recommended that you show a high level of interest in future academic exploration,” on your college application, according to Black. This means demonstrating your motivation in other ways—by earning high grades, demonstrating extracurricular involvement, and discussing your future goals in your application essay.

The essay is a great place to show your true colors if you're undecided. While you definitely want to steer clear of anything like, “I have no idea what I want to do with my life,” you can write about how you’re undecided because you have multiple interests and know that this college is the perfect place to investigate them all. After all, being undecided in college allows you to explore your interests to find the major that truly fits. You can take classes, talk to students and professors, and join clubs to get a feel for all your options.

Some research even suggests students might be better off if they're undecided. For example, students in a recent class at Western Kentucky University had higher four-year graduation rates when they waited two years before declaring a major (83.4% graduated on time, compared to 72.8% of students who declared and didn’t change their major). And graduating in four years is a big deal, since it saves time and money.

Many schools offer specific courses and other resources to help undeclared students make a decision too. The University of Cincinnati has a Center for Exploratory Studies, one of many similar programs found at colleges all over the country.

Since statistics show that you’re fairly likely to change your major anyway, going in undecided can be a good way to take control of your academic destiny. Provided you have a plan, of course...

**Cons**
Many of the cons of being undecided are just the opposite of the pros of declaring a major: you may lose out on a space in a competitive major, as well as major-specific scholarships or housing programs.

It’s also important to remember that being undecided isn’t just a free pass to do whatever you want. You really do need to have some ideas and a plan in mind for exploring and declaring a major eventually—or it can cost you. If you wait too long to declare a major, you might miss courses you need to fulfill the degree requirements or end up taking classes you can’t apply to your degree. You’ll then need to spend more time and money making up those credits. If you work with your academic advisor (and/or the major exploration program at your school), you should be fine. But it is work, and you’ll need to be ready for it.

At the end of the day, make sure you do your research and keep your eyes on the prize: finding a college that fits you and your future goals. “The college search process is just that,” Stratton says. “It’s a student’s opportunity to move through a process—and get to know themselves better while doing it—searching for a college [and a major!] that is right for them.”

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*Jessica Tomer is the Editor-in-Chief of CollegeXpress.com and Carnegie Communications.*
Aerospace engineering is a mechanical engineering subspecialty involving the development of air- and spacecraft. Read on to learn more about this cutting-edge field where students’ heads are literally up in the clouds.

A glimpse at the field
Divided into aeronautical engineering and astronautical engineering, aerospace engineering is the study of the design, construction, and operation of aircraft. Today the term “aerospace engineering” has been broadened to mean the design, construction, and operation of all vehicles roaming above the Earth’s surface, covering both air and space.

Aerospace engineering evolved from mechanical engineering, the study of the application of engineering principles to mechanical problems. Therefore, the two fields are very closely related. Some schools may offer dual degrees in mechanical and aerospace engineering, while others might offer the mechanical engineering major with a concentration or minor in aerospace or aeronautical/astronautical studies.

What do aerospace engineers do?
Aerospace engineers create, develop, and test aircraft and spacecraft equipment. A large portion of the job is spent carefully calibrating, running, and recording tests with computers. Aerospace engineers are continuously improving flight safety and travel conditions. They also design, build, and test space shuttles and exploration materials, like satellites and rovers. An aerospace engineer may work on the same project for years before completion. They should possess strong critical-thinking and problem-solving skills, computer aided design (CAD) knowledge, and the ability to prioritize and manage jobs effectively. Interest and aptitude in science, math, and information technology are also required.

What education do they have?
The plan of study for aerospace engineering is a demanding one. Core college courses include basic engineering theory, physics, and calculus and differential equations, which lead to specialized study of topics such as aerodynamics, wind flow, computer programming, and flight simulation. Within the major are incorporated topics such as fuselage design, wing design, structural design, structural requirements, propulsion mechanisms, fuel types, guid-
ence and instrumentation systems, auxiliary equipment, and production. Students also may be expected to conduct their own experiments under the supervision of an instructor.

A bachelor’s degree is required for most entry-level positions related to aerospace engineering, but a master’s or doctoral degree is also highly desirable. Getting a master’s degree in such a specialized field can potentially increase an aerospace engineer’s career satisfaction, opportunities, and earning potential.

Careers for aerospace engineers

“Aerospace engineers are employed in industries whose workers design or build aircraft, missiles, systems for national defense, or spacecraft,” according to the US Bureau of Labor Statistics. But just because you earn a degree in aerospace engineering doesn’t mean you have to become an “aerospace engineer.” Like all majors, this one can lead to a variety of different careers. Other possible jobs include:

- Aircraft design engineer
- Astronaut
- Astrophysicist
- College professor
- Commercial pilot
- Entrepreneur
- Flight engineer
- Lawyer
- Meteorologist
- Technical writer
- Test pilot

In 2015 the median pay for aerospace engineers was $107,830 a year, or $51.84 an hour, according to the US Bureau of Labor Statistics. However, incomes will vary according to one’s education, place of employment, experience, and geographic location. Visit bls.gov for more information.

Professional organization

There are more than 190 colleges and universities with student branches of the American Institute of Aeronautics and Astronautics (AIAA). Visit alaa.org to see the list.

Intrigued by engineering, but perhaps not the aerospace variety? Here’s a basic breakdown of some of the main branches of engineering and just a few of the subspecialties they entail.

**Types of Engineering Breakdown**

**CHEMICAL ENGINEERING**

No big surprises here: chemical engineers work with chemicals! They do things like create and test food products, figure out safe handling and disposing of dangerous chemicals, design pharmaceutical drugs, analyze manufacturing processes to lessen the environmental impact, and more.

Subspecialties:
- **Biomolecular engineers** work with biological molecules in areas like food science, genetic research, and natural fuels.
- **Materials engineers** develop materials, from the soles of your shoes to the shell of the car, bus, or plane you’re traveling in.
- **Process engineers** plan and refine the various stages of a given production process.

**CIVIL ENGINEERING**

As people and the areas they inhabit spread across the globe, civil engineers design the space they venture into. They look at an empty map and see a city, and they consider the environmental and financial costs, governmental regulations, and materials needed to make it happen.

Subspecialties:
- **Geotechnical engineers** analyze rock and soil and design the supporting materials before things like bridges and roads are built.
- **Structural engineers** design things like bridges and dams and ensure their safety.
- **Transport engineers** design systems from airports to harbor ways.

**ELECTRICAL ENGINEERING**

Look around you: how much of what you see relies on electricity? Electrical engineers were probably involved in some capacity. Cell phones, GPS systems, MRI machines, computer hardware: if it has an electrical current, it had an electrical engineer designing, testing, and improving it during production.

Subspecialties:
- **Computer engineers** further technological advances in the computer industry, from creating software that measures seismic activity to designing a lighter laptop.
- **Optical engineers** design lenses, lasers, and other devices—anything using light.
- **Power engineers** deal with power generation and distribution (think nuclear plants, coal projects, wind farms, hydroelectric plants, etc.).

**MECHANICAL ENGINEERING**

The engine in your car, the turbine providing your town with power, the elevator you ride in the mall: the work of mechanical engineers is everywhere. They create machines and devices often from the research and design stage all the way through to testing the product and overseeing production.

Subspecialties:
- **Acoustical engineers** develop forms of noise control, such as sound buffers and absorbers, which allow people to hear more clearly and avoid distracting, even damaging noise levels.
- **Manufacturing engineers** design, improve, and oversee the manufacturing of any given item, from a box of cookies to a car.
How to Become a Part of Your Future Campus

BY CLAIRE CARTER

Picture it: You received the acceptance letter. You made the deposit. You even purchased the school sweatshirt. You are ready for some of the best years of your life...

...except getting ready for college is about way more than buying out the bookstore’s apparel section.

Becoming part of the campus community takes just as much effort as getting into college (though it is a lot more fun). If you want to feel connected to your campus, make memories that last a lifetime, and burst with pride at the mere mention of your school’s name, here’s what you should do.

Start building connections early
You may be itching to get on campus, settle into your dorm room, and start meeting people. But move-in day seems so. far. away. Luckily there are a lot of things you can do to start building connections before classes even start.

Visit campus again
You should (re)visit the college you’re planning to attend (or revisit all of your top choices, if you’re not quite decided yet). Taking a tour was what sold Boston College to now-junior Bethany Candage. “The campus was breathtaking, and our guide was so excited about her experience at BC,” Bethany says. “All I wanted to do was make my own memories there.”

Even if you’ve already visited, it doesn’t hurt to do it again! Look for the buildings where your classes will be held, the dorm you will be living in, and other things you didn’t get a chance to see the first time around. It will help to know where everything is so you don’t get lost on your first day. And you’ll get another chance to visit when you...

Attend orientation
You should make every effort to attend freshman orientation. It’s a chance for you to get acclimated to campus, learn important start-of-semester info, and meet other accepted students who are all in the same boat as you. Orientation was mandatory for Darin Dabney before she transferred to the University of Central Florida, but she didn’t mind. “It felt really good to be on campus before the start of classes and to know there were people who understood my anxiety about school,” she says.

Orientation is also “a springboard for starting friendships,” according to Libby Kamrowski, a student at Gonzaga University. “I still have five friends that I made during orientation weekend, even though I’m a junior now.” Plus, it’s fun! “Orientation is a fabulous time,” she says. “The more activities you go to, the more fun, friends, and free things you’ll get!”

Connect with other students
You can do this before, during, and after orientation. Find your roommate on social media, and search for Facebook groups for incoming
freshmen, academic departments, athletic teams, and other groups at your school. That way you’ll be in the know and feel a little more at home when you see familiar faces on campus.

Darin joined a Facebook group and sought out other students before she arrived at UCF. “That helped me connect with people before I got anywhere near campus,” she says. “In fact, a few of my best friends knew me from my Instagram way before they ever saw me in person. It was really cool to go to meetings and feel comfortable around people I knew from online, especially if I always saw them on my newsfeed.”

Strengthen those connections on campus
You’ve met your roommate IRL, you’re all moved into your dorm room, and you’re ready to take college by storm. But what should you do first? There are a lot of choices!

Join a student group
Extracurriculars and student organizations make it easy to get involved on campus and feel like part of a community. Be sure to check out your school’s activities fair at the beginning of the semester—there will be groups for every interest, major, and more. “I went and got a lot of info on all sorts of different clubs, from club sports to Make-A-Wish Foundation to different service trips,” says Bethany. “They just have something for everyone.”

Libby, a journalism major, joined the staff of The Gonzaga Bulletin her first day of freshman year as a writer and photographer and has been working her way up ever since. “It’s great to be part of organizations that are related to your major because it knocks on the door of experience, looks good on your résumé, and helps you make like-minded friends,” she says.

Joining campus groups “has made my college experience so much better,” says Darin, who lists a hip-hop dance group among her activities.

“UCF can be a really big place, but now I always have a friend on campus!”

Attend a game
Sports might not be a big deal at your school...or they might be everything. “If campus were Earth, basketball is the sun that everything revolves around,” at Gonzaga, according to Libby. Jumping on the school spirit bandwagon creates a bond with other students, staff, and alumni who all have one thing in common: the team.

“It’s an awesome atmosphere,” Bethany says of BC athletics. “The passion the student body has makes attending sporting events super fun.” Not to mention having a common enemy also unites a campus. “The BU vs. BC rivalry definitely runs deep,” she adds. “Embracing the excitement of games like this is a big part of the campus culture.”

“It’s so much fun to be there cheering on the same team with so many people,” adds Darin. “I like seeing my classmates at games, because then it gives us more to talk about than just course work.”

Take part in tradition
Every college has events, rituals, or other quirky traditions that make them special and bring the campus together. One of Gonzaga’s is called Tent City. Because the student section at basketball games is so popular, there isn’t enough room for every fan, forcing the most dedicated to wait in line overnight for a spot in “The Kennel.”

“Two days before a big game, the officers of the fan section will tweet a secret location to which everyone converges for a tent ticket spot,” Libby says. This is called the Running

You should make every effort to attend freshman orientation. It’s a chance for you to get acclimated to campus, learn important start-of-semester info, and meet other accepted students who are all in the same boat as you.

Graduate with no regrets
Time flies when you’re having fun, and your college years will be over before you know it. If you want to look back at your time fondly, you need to put yourself out there, take advantage of what your campus has to offer, and embrace student life and tradition at every opportunity. “You don’t want to look back at college and regret something you missed out on or were too scared to do,” says Libby.

“It’s not always going to be easy, but you’ll find your place and accomplish everything you want to as long as you put in the work,” says Bethany. “Get involved, but don’t overwhelm yourself. And make sure you always have time to nap!”

Claire Carter is the Assistant Editor at Carnegie Communications.
For many students studying science, technology, engineering, or mathematics (STEM), the idea of pursuing graduate study is nothing new. For many STEM fields, the master’s has already become the new bachelor’s degree, with entry (and licensure) in certain fields often dependent upon advanced training and study. However, there are important differences for students transitioning from an undergraduate career in a STEM field to a graduate program. In some cases, these differences can present quite a shock to the unprepared student. Here are four key differences between undergraduate and graduate STEM programs at US colleges and universities.

1. **Faculty call the shots**

In most undergraduate programs, a college or university admission officer and/or committee are primarily responsible for reviewing applications and making admission decisions. This gives the admission office the opportunity to select students based on a somewhat uniform set of criteria and with a holistic goal in mind for the total incoming class of students.

In STEM graduate programs (usually for master’s degrees but certainly for doctoral programs), faculty members are the ones reading the applications, either individually or on a committee. This changes slightly where the emphasis needs to be on a student’s application versus the undergraduate model. The experts reading your application are less concerned with a holistic goal
and extracurricular activities and more with specific elements of your background and training.

For master’s applicants, this means your course work can be the most important part of your application. If you don’t have the course work experience needed to be successful in a professor’s program, they are unlikely to admit you without serious remediation (usually in the form of conditions or prerequisites). For doctoral applicants, your “fit” with the department in terms of training, research, and personality is most important. After all, a funded PhD student is being paid by the school to teach, conduct research, and contribute original knowledge to a field of study. The faculty have a vested interest in who gets into their graduate programs, as those candidates will become future academic colleagues and reflect positively (or negatively) on their “home” academic department and university down the line.

2. Research rules
Many undergraduates seeking to apply to graduate STEM programs have completed some kind of research experience. This isn’t just a nice thing to put on your résumé or graduate school applications; it can be crucial preparation for graduate study in certain programs that will require lab work, regardless of what type of degree you are pursuing. This is particularly true in STEM fields, where deep, specialized training in equipment and materials can mean the difference between experimental success and predestined failure.

While many STEM master’s degrees offer students the option to complete a “thesis track” or a “professional track,” the faculty will expect master’s students to perform at a very high level. This may lend itself to invitations to work in laboratories, teaching assistantships, guest lectures, and joining ongoing research projects. Even a student who is entirely geared toward pursuing a professional master’s degree should expect some involvement in research while enrolled in a STEM graduate program.

For PhD students, research is an end unto itself. Without proper training and work in research, a PhD student never becomes a “doctor.” Some STEM undergraduates pursue a PhD for reasons unrelated to research that range from career prospects to ego (it’s cool to be called “doctor”). However, too few undergraduates enter PhD programs with even the most basic research skills. Learning how to judiciously collect literature on a particular topic, how to construct a cogent research proposal, and how to do basic data analysis can help with the transition from undergraduate STEM study to the graduate level in any program.

3. The wide world of jobs
While recent graduates from STEM master’s or PhD programs should not necessarily expect an immediate “bump” in pay and job opportunities, there is certainly strong evidence that this occurs. STEM graduate degrees not only provide the specialized training required for some high-paying jobs, but they also enable degree holders to apply for and enter positions of greater leadership within organizations and companies. Even for students with no work experience, a graduate degree can lead to faster career advancement than those without such degrees.

While in the past many companies were willing to pay for their employees to study for graduate degrees, this has become a perk at fewer and fewer places, as the cost of higher education has increased and the average time of employees’ tenures has decreased. As a result, job seekers who have already gone out and earned a graduate degree may appear “more job ready” to companies than other candidates.

Although the job market for tenure and tenure-track professorships is more competitive than ever, there are also alternative, non-academic career options for PhD graduates. For example, in STEM fields many doctoral program graduates move directly into research laboratories at Fortune 500 companies. Others move into policy-making and other nonprofit sectors of the economy. As graduate study has become more common in the United States, so have employers gotten used to the idea of hiring PhD graduates for a variety of roles within their organizations.

4. You are not the Class of 20XX
Finally, and perhaps most importantly, the timeline for graduate study can be a shock for some students. As an undergraduate, you may have always assumed you would graduate in four or five years, even though the average graduation rate at most US colleges and universities is on a six-year scale. You may have even been
referred to as a member of “the Class of 20XX” as early as your first-year orientation. You moved with a cohort through your studies, and in some cases there was never any doubt you would complete your undergraduate study at the same time as most of your friends.

No such expectation exists in graduate study—and any attempt to set such an expectation will be met with shaking heads and swift rebuttal from the faculty. Quite simply, graduate students finish when they finish. This could mean graduation within two years for some master’s students, but this isn’t a guarantee, particularly when a thesis, practicum, or original research is concerned. This is also true for PhD programs, where any suggestion by a student that they will finish within a certain period of time will be met with criticism. In the case of the PhD, only your faculty committee can decide when you are ready to defend your dissertation, regardless of how long you have been in your program.

These are only a few of the differences between STEM study at the undergraduate and graduate levels; this is not meant to be an exhaustive list. However, anyone interested in pursuing a master’s or doctorate in a STEM discipline should spend significant time thinking about these differences and consider well how they will adapt to this “new normal” as a graduate student. Entering graduate school with a good understanding of these challenges can provide students with even better chances for academic success.

Raymond Lutzky, PhD, is the Senior Director of Graduate Enrollment Management and Admissions at the Tandon School of Engineering at New York University.

STEM SCHOLARSHIPS FOR GRAD STUDENTS

ANS Graduate Scholarship, $3,000
Sponsor: American Nuclear Society (ANS)
Applicant must be a US citizen or permanent resident enrolled in a course of study relating to a degree in nuclear science and technology. Applicant must be sponsored by an ANS local section, division, student branch, committee member, or organization member. ans.org

Charles H. Bussmann Graduate Scholarship, $2,500
Sponsor: Marine Technology Society
Applicant must be a Marine Technology Society member who is a full-time graduate student enrolled in a marine-related field. mtsociety.org

Environmental Division Graduate Student Paper Award, $200–$500
Sponsor: American Institute of Chemical Engineers
Applicant must be an AIChE member and submit a paper describing original research or design on the application of chemical engineering to environmental protection. aiche.org/awards

SHPE Foundation Scholarship Program, $1,000–$5,000
Sponsor: Society of Hispanic Professional Engineers (SHPE) Foundation
Applicant must be a Latino high school graduating senior, undergraduate, or graduate student who is pursuing a degree in engineering, math, or science. shpe.org/scholarships

Graduate Center Merit-Based Scholarship, awards vary
Sponsor: New York University Polytechnic School of Engineering Graduate School
Applicant must be pursuing a master’s degree at NYU Polytechnic School of Engineering Graduate School. engineering.nyu.edu

Herschede Engineering Scholarship, $1,000
Sponsor: Sigma Chi Foundation
Applicant must be a full-time graduate student studying engineering with a minimum cumulative grade average equal to or above the All Men’s Average at the college or university to which they are attending (minimum 3.0 GPA when AMA is not available). Membership with Sigma Chi is required. foundation.sigmachi.org

Science Student Grant, $1,000
Sponsor: Foundation for Science and Disability
Applicant must be a US citizen and fourth-year undergraduate student with a disability who has been accepted into a graduate school pursuing a degree in one of the following fields: mathematics, science, medicine, engineering, or computer science. stemd.org

SNAME Graduate Scholarships, up to $20,000
Sponsor: Society of Naval Architects and Marine Engineers
Applicant must be a US or Canadian citizen or foreign student studying in either country and have society membership for at least one year prior to application. Award is offered for one year of study leading to a master’s degree. sname.org

STEM Teachers Scholarship, $5,000
Sponsor: Armed Forces Communications and Electronics Association (AFCEA)
Applicant must be actively pursuing an undergraduate degree, graduate degree, or credential/licensure for the purpose of teaching STEM (science, technology, engineering, or math) subjects at a United States middle or secondary school. afcea.org

Data provided by Wintergreen Orchard House
At Hofstra University students live, work, and study on a beautiful, state-of-the-art campus that’s only 25 miles east of Manhattan. Our 24-acre suburban campus is lush, green, and spacious, with ivy-covered buildings and cutting-edge facilities, just minutes from all the adventure and opportunity New York City has to offer.

**Best of both worlds**

With the top-notch resources and wide-ranging programs of a large university and the sense of community and personal attention of a small college, Hofstra is a great place for students who are looking for a traditional campus experience without sacrificing the networking opportunities, internship experiences, and cultural offerings of a bustling metropolis.

Our hardworking, motivated students are taught by Guggenheim Fellows and Fulbright Scholars; Emmy Award recipients; prize-winning scientists; leaders in business, education, and health sciences; and knowledgeable and insightful thinkers. Our 1,161 faculty members (of whom 498 are full-time) are leading educators and experts dedicated to providing the foundation and tools you need to succeed. And 92% of our full-time faculty hold the highest degree in their field.

**World-class programs and facilities**

Hofstra is consistently ranked among the best colleges and universities, has 24 academic and 27 total accreditations, and is one of only three schools in the New York metropolitan area with colleges of law, medicine, and engineering. We inspire students to explore their interests, discover their strengths, and find their “pride and purpose” through dynamic, career-enhancing opportunities, both inside and outside of the classroom.

The Fred DeMatteis School of Engineering and Applied Science was ranked 58th among undergraduate engineering programs at schools that do not grant doctoral degrees in engineering, according to U.S. News & World Report (2016 edition). The DeMatteis School enrolls over 700 students majoring in a wide variety of engineering- and computer science-related fields. It educates and inspires students to become engineers and computer scientists who are creative, entrepreneurial, and prepared to tackle critical global challenges and make a difference in the world.

The DeMatteis School’s co-op program has partnered with more than 100 prominent engineering and technology firms to offer eligible students valuable real-world experience. Participating companies hire students after the fall or spring semester of their junior year to work on salary for a six- to eight-month period in a field related to their degree program. After the completion of the co-op experience, students return to Hofstra to complete their degree requirements.

Engineering faculty work with students on advanced research projects within the school’s cutting-edge laboratories, which include a robotics and advanced manufacturing lab that features a 3-D printer, a cell and tissue engineering lab, a big data lab, an ultrasound research lab, a mechatronics lab, and an aerodynamics and transport phenomena lab.

Discover all that Hofstra’s science and engineering programs have to offer. Visit hofstra.edu/SEAS today.
Highly competent and motivated graduates
Gonzaga instills four attributes in its SEAS graduates. First, SEAS graduates are capable and well educated in the engineering and computer science fundamentals, as well as in the application of these fundamentals. Second, graduates are innovative. They harness creative and powerful skill sets to bring ideas through to application, matching solutions to identified need. Third, they’re driven by a desire to create value. They strive to understand a customer’s needs and design to meet those needs. Finally, through reflection on the Jesuit tradition, they are compelled to seek ways to improve the quality of life throughout the natural and built environments. Ultimately SEAS graduates are dedicated to better lives for all, moving society forward through a healthier, more sustainable, and prosperous world.

Hands-on, integrated experiences
The SEAS programs at Gonzaga are dedicated to introducing innovation and the entrepreneurial mindset throughout the curriculum. Starting with a new, project-based freshman course, students are introduced to the integration of design, technical fundamentals, and creation of value as represented in solutions to complex problems. These concepts are presented through course work and laboratory experiences, as well as student participation in competitions and professional clubs/societies. In the realm of entrepreneurial mindset, Gonzaga partners with a group of engineering programs at other universities within the Kern Entrepreneurial Engineering Network (KEEN) to collaboratively develop a curriculum that introduces students to the importance of participating in professional relationships to seek creative solutions that create value to society.

Senior capstone projects
The integrated undergraduate experience culminates in the SEAS senior capstone projects run through the Center for Engineering Design and Entrepreneurship. With more than 45 projects—each involving four to six students, a faculty advisor, and a project liaison (commonly from industry)—the Center focuses the senior capstone experience on nine-month-long projects that are identified and reviewed by internal and external partners. Some of the 2015–2016 projects included developing fire-resistant housing in the hopes of reducing wildfire damage, making combat shelters safer for our country’s service men and women, and developing a process for 3-D printing ankle foot orthosis for children.

Developing lifelong learners
Completed by all students at Gonzaga and revised as of fall 2016 to reflect a broader educational experience, the University core curriculum provides broad intellectual perspectives to all students through the exposure to subjects outside their chosen fields of study. The newly revised core curriculum culminates in an upper-division, interdisciplinary course focused on multidisciplinary, critical analysis of a global challenge such as climate change, water resources, or sustainable food production. Ultimately

The School of Engineering and Applied Science (SEAS) at Gonzaga University produces broadly educated and capable engineers and computer scientists ready to contribute innovative solutions for a better world.
the core challenges students to integrate their studies and actions into a philosophy of living that promotes a lifetime of learning and self-reflection.

In the heart of the Inland Northwest

The Spokane/Coeur d’Alene area provides numerous internships as well as outlets for cultural and artistic expression. A scenic 15-minute walk along a section of the 37-mile Centennial Trail on the shore of the Spokane River ushers students into the vibrant downtown, offering a variety of dining, entertainment, and shopping opportunities.

Students can also explore the snow-capped mountains, dozens of lakes, and scenic hiking trails all within a 50-mile radius of campus. The Inland Northwest is a recreational paradise for skiers, hikers, campers, mountain bikers, golfers, and other outdoor enthusiasts of all ages and abilities.

Gonzaga at a Glance

Foundation: 1887

Location: Spokane, Washington; population 212,000 (671,000 metropolitan area)

Affiliation: Independent; Jesuit, Catholic

Academic Information: 100% of classes taught by faculty; 12:1 student-faculty ratio; average class size of 24; 95% retention rate; 78% four-year graduation rate

Campus: 152 green acres along the beautiful Spokane River; less than a 15-minute walk to the upscale downtown district with shops, arts, entertainment, and fine dining

Student Body: 7,491 total enrollment; 5,041 undergraduates; 54% women, 46% men

Academic Programs: More than 75 majors and areas of study; 22 master’s degrees; a PhD, a DNP, and a JD degree

Varsity Athletics (NCAA Division I): Men’s and women’s basketball, crew, cross-country/track, golf, soccer, and tennis; men’s baseball; women’s volleyball

2016-2017 Annual Expenses: Tuition: $38,980; room and board: $11,258

Financial Aid: 99% of Gonzaga students receive financial aid in the form of scholarships, grants, loans, and work opportunities.

Student Life: The Gonzaga Student Body Association sponsors more than 100 clubs, numerous dances, and events. The John J. Hemmingson Center houses a movie theater, multiple dining options, student involvement offices, a reflection room, and numerous spaces to hang out. Rudolph Fitness Center offers a two-story workout facility, including a pool.

School of Engineering and Applied Science at a Glance

Bachelor of Science Degrees:
• Civil Engineering
• Computer Engineering
• Computer Science
• Electrical Engineering
• Engineering Management
• Mechanical Engineering

Master of Engineering Degree:
• Transmission and Distribution Engineering

Awards and Rankings:
• GU’s School of Engineering and Applied Science has consistently ranked among the top 30 schools in the nation amongst engineering programs not offering a PhD (U.S. News & World Report, 2016).
• SEAS graduates have been very successful in nationally competitive postgraduate fellowships, including both a Marshall Fellowship and a National Science Foundation Graduate Research Fellowship within the past three years.
• GU ranks fourth in terms of regional universities in the western region of the United States.
• Programs accredited by the Engineering Accreditation Board for Engineering and Technology (ABET) include Civil Engineering, Computer Engineering, Computer Science, Electrical Engineering, and Mechanical Engineering.

Baja Car Competition

Over the past few years, the SEAS at Gonzaga has established an active Society of Automotive Engineers (SAE) club that has focused on designing, constructing, and racing a single-driver Baja car in the national competition. Involving students from all disciplines within SEAS and across the SEAS disciplines on a common project. This effort allows students to fully engage in the school’s Manufacturing Technology Center and work closely with experienced faculty and staff. In the most recent competition in California, the team performed exceptionally well, finishing eighth in the extremely difficult Hill Climb Event.

2015-2016 Senior Project

Braille Refresh Reader

The idea for this project originated from what was observed as a void in disability access to technology, specifically for blind students. Current Braille displays are limited by mechanics and can only display a single line. As such, the team’s goal was to develop a multiple-line tactile Braille display. After detailed research encompassing many different ways to produce a Braille dot, they concluded that the most promising display would be created using electro-tactile haptic technology, which “mimics” the tactile feeling of Braille cells. They designed high-voltage electrodes that imitate the tactile feeling of real Braille dots when fingers run across it. Experimentation determined ideal electrode spacing and waveform shape in order to maximize the tactile sensation for the user. The system is controlled by a microcontroller. In addition to increasing the accessibility of Braille materials, the team hopes the project can help generate interest in disability accommodations and prompt engineering development in Braille technology.
MALIBU, CALIFORNIA—a mere 30 miles northwest of downtown Los Angeles and a short drive from all that Southern California has to offer, Pepperdine University’s oceanfront location offers students the chance to study near one of the world’s most vibrant and influential metropolitan cities yet live in a safe and relaxed beachside community. Pepperdine sits high atop Malibu’s Santa Monica Mountains, with an 830-acre campus overlooking the Pacific Ocean.

Learn more:
seaver.pepperdine.edu
seaver.pepperdine.edu/admission

Where faith and learning meet
As a private Christian liberal arts university, Pepperdine is at the forefront of holistically developing the next generation of leaders through rigorous curriculum, faculty mentorship, tailored research opportunities, and timely lectureship series. The liberal arts curriculum at Pepperdine serves as the foundation upon which you can explore, debate, and address life’s deepest questions and the world’s greatest challenges. The outcome is a transformational educational experience that allows you to explore your passions, enrich your life through new academic encounters, and graduate with fundamental knowledge to draw upon throughout your life.

Grow in your faith with others
Pepperdine actively seeks out and creates ways for you to examine, challenge, and grow in your faith through general education religion courses, Convocation Series, on-campus University Church of Christ, an affiliated campus ministry program, student-led spiritual life programs, prayer and unity gatherings,
service projects, mission trips, Chaplain’s Office, and Spiritual Life Advisors in the student residence halls.

**A vibrant community**
Pepperdine’s residential campus is home to approximately 3,300 undergraduate students hand-selected from diverse cultural, socioeconomic, religious, ethnic, geographic, and rigorous academic backgrounds. With more than 110 student clubs and organizations, an active student government, Greek life, a strong athletic tradition, more than 1,000 on-campus events each year, intramural and club sports, student-led spiritual life activities every day of the week, and theater and dance productions, there is always an activity to join and an opportunity for you to build lasting friendships.

**An international experience**
When you are a Pepperdine student, the world is at your fingertips. Study with Pepperdine faculty and fellow students in Pepperdine-owned facilities around the world. More than 60% of students participate in one of Pepperdine’s highly regarded international programs, which are ranked #1 by the Institute for International Education for undergraduate study abroad participation. International program locations include Buenos Aires, Argentina; London, England; Lausanne, Switzerland; Heidelberg, Germany; Florence, Italy; Shanghai, China; and Washington, DC.

**The Pepperdine impact**
A degree from Pepperdine is highly valued and respected in a competitive global marketplace. Choosing to enroll at Pepperdine not only launches a personal, academic, and spiritual transformative journey but also a practical foundation that is rooted in ethical decision making, real-world application, and a supportive community. Approximately 94% of the 2016 graduating class participated in internships, student teaching, on- or off-campus employment, and undergraduate research. Pepperdine’s four-year graduation rate is 76%, which is approximately 36% higher than the national average.

**University mission statement**
Pepperdine is a Christian university committed to the highest standards of academic excellence and Christian values, where students are strengthened for lives of purpose, service, and leadership.

**Pepperdine At A Glance**

**FALL 2016 ADMIT AVERAGES (MID-50%)**
First-year GPA: 3.63–3.95
Transfer GPA: 3.44–3.84
SAT Reading and Math: 1190–1360
SAT Critical Reading, Math, and Writing: 1780–2040
ACT Composite: 27–31

**FAST FACTS**
45 majors and 37 minors
13:1 student-faculty ratio
Approximately 3,300 undergraduate students
Students representing all 50 states and more than 70 countries
40% male, 60% female
Average class size of 19

**APPLICATION DEADLINES**
August enrollment: January 5
January enrollment: October 15

**FINANCIAL ASSISTANCE**
More than 79% of undergraduate students received some form of financial assistance during the 2015-2016 academic year.
Located 60 miles east of Los Angeles, California Baptist University is one of the fastest-growing private Christian universities in the region. CBU’s 160-acre suburban Riverside campus is located between Southern California beaches and attractions and mountain and desert resorts—an ideal place for Engineering students to discover and live their God-given purpose.

CBU offers the expansive range of academic programs and student support services you would expect from a large university while preserving the vibrant social and spiritual life that makes small schools so appealing. CBU students enjoy a mouthwatering menu at the University’s spacious commons cafeteria, a cool swim in the enormous pool in the Lancers Aquatic Center, solitude in the historic Gabriel Library, chaos at athletic events, and spiritual renewal at weekly chapel meetings. 

CBU’s First-Year Orientation and Christian University Success (FOCUS) program helps ease first-year students into university life and the CBU community. Starting with New Student Orientation Week, FOCUS provides activities and services to connect students “to campus, classmates, and Christ” and helps them succeed academically, socially, emotionally, and spiritually. A similar program called RE-FOCUS helps students in their senior year transition from college to career and teaches them essential job interviewing skills.

About the CBU Bourns College of Engineering
CBU’s College of Engineering offers seven degree programs:
• Civil Engineering*
• Computer Science
• Construction Management
• Electrical and Computer Engineering
• Industrial and Systems Engineering
• Mechanical Engineering*
• Software Engineering

Each CBU Engineering student will experience a wide variety of hands-on learning experiences, including local business internships and cross-cultural projects. As a result, CBU Engineering students don’t just know engineering—they become skilled and experienced engineers.

* Accredited by the Engineering Accreditation Commission of ABET, abet.org

CARD #11498 ADDRESS 8432 Magnolia Avenue, Riverside, CA 92504 PHONE 866-7676-CBU WEBSITE calbaptist.edu/pcu E-MAIL admissions@calbaptist.edu

FAST FACTS

Student population: 9,157 (2016)
Average class size: 22
Student-faculty ratio: 17:51
Average ACT: 22
Undergraduate tuition: $29,562 (per year)
Room and board: $10,680
Average fees: $2,120
Average GPA: 3.4
Average SAT: Reading 504, Math 493, Writing 495
Scholarships offered: Yes
Grants offered: Yes
Loans offered: Yes
Where do you want to go? What do you want to be?
No university helps students answer these questions better than Kettering University. Kettering is a highly acclaimed private university that combines innovative, hands-on programs in engineering, math, science, and business with a groundbreaking professional cooperative education and experiential learning program.

There’s no other college like us
At Kettering University we’re leaders in experiential learning. Every student alternates between study terms and work (co-op) terms. During study terms, students learn amazing material in small classes taught by professors, not teaching assistants. During co-op terms, they gain professional experience at corporations related to their studies.

Make a better decision sooner
Kettering gets students working sooner than any other school. So they find out early about what they like to do—and what they never want to do again. Our students have done everything from testing ballistic systems to designing biomedical tools. All of our employer partners—more than 500 companies, including UPS, Ford, Argonne National Laboratory, Bosch, and Boeing—are defining innovation in industry.

Major in experience
Students graduate with up to two and a half years of real-world experience. All of this experience pays off—research shows that students who participate in co-op programs are more mature, better problem solvers, and more technically knowledgeable. Employers know that Kettering students are the cream of the crop. In fact, 98% of our students are employed within their fields or attending graduate school within six months of graduation.

Experience pays off
Kettering students can earn more than $65,000 over four and a half years. It’s real money that is really theirs; they can use it to pay for tuition, expenses, gadgets, road trips—whatever they want. The average starting salary of a Kettering graduate is more than $64,000 per year. And Kettering ranks among the top 1% of private institutions in the United States to offer a more than $1 million return on investment, according to Affordable Colleges Online.

College life
Kettering students bring a wide range of interests to campus. With 46 states and many countries represented, there is a lot to share. Nearly two-thirds of students are members of fraternities or sororities. More than 75% participate in our competitive intramural sports. All freshmen live on campus, while 36% of students stay on campus the remainder of their college experience.

And the surrounding community has much to offer: the Flint Cultural Center—located just one and a half miles from campus—houses the Sloan Museum, Whiting Auditorium, Longway Planetarium, and the Flint Institutes of Music and Arts. While a sizable city, Flint also has 11,000 acres of woods, water, and trails to offer—all part of Michigan’s largest park system. Students can enjoy golfing, hiking, kayaking, hunting, skiing, snowmobiling, and more.

We’ve got the labs and the experts
Nearly 95% of courses are taught by PhD-level professors, many with industry experience. And with our small classes, students know the professors, and their learning experiences are much more personalized. Kettering is famous for its labs—which are all available for undergraduate use. Our Crash Safety Center is the only one in the nation used in an undergraduate program. Students study alternative fuels in the Fuel Cell Research Lab, and Kettering’s life sciences labs support the pre-med course of study to give students all of the prerequisites for medical school.

Think differently, learn differently
Kettering University students learn more, simply because they do more, and as a result are positioned to live truly extraordinary lives. For more information, please visit kettering.edu/different.
Dare to differ. At the University of Rochester, we do just that. And so do our students. The innovative Rochester Curriculum is driven by you. Personal choice and curiosity determine your future.

The Rochester Curriculum is flexible and reflects the true hallmarks of university life and learning: curiosity, competence, and community. There are no required subjects. Based on your unique interests and goals, you build your own education and learn what you love. You select a major in one of the three great disciplines of learning—humanities, natural sciences, or social sciences—and take a cluster of three related courses in each of the other two.

What makes Rochester different?
Your academic success is determined by more than courses or majors. During your college search process, remember this: many colleges are good, some are exceptional, but almost none offer you the freedom to create your own success.

That freedom not only exists at the University of Rochester—it thrives. As a Rochester student—even as a freshman—you’ll have the freedom to conduct collaborative research with your classmates and professors. Research is performed in all areas, from laser energetics to brain imaging to the works of Elizabethan dramatists. Our 10:1 student-faculty ratio allows for focused investigation and in-depth learning in every field. Over 75% of students are involved in research.

Student life
The University is a community where over 80% of undergraduates live on campus. With more than 250 student organizations, ranging from cultural and political to religious and athletic, you’ll find communities of friends who share your interests and passions.

When it’s time for recreation, students flock to the Goergen Athletic Center. The Center includes an 11,000-sq. ft. fitness facility; an indoor track and activity field; a swimming pool and diving well; numerous courts for squash, racquetball, indoor tennis, basketball, and volleyball; a state-of-the-art athletic training facility; and the Palestra, home of 23 Division III varsity teams and host to various campus events.

City of Rochester
With Lake Ontario on its northern border, the scenic Finger Lakes to the south, and more than a million people, Rochester is rated among the most livable cities in the United States. The city of Rochester is a dynamic mix of culture, commerce, and history. Cultural and recreational opportunities include museums, parks, orchestras, planetariums, theater companies, and professional sports teams.

Supportive learning environment
Rochester students get the support they need—from faculty, staff, and one another. Counselors in the Career Center are available every step of the way, helping students articulate their
goals, assisting with internship and job placements, and inspiring academic and career exploration. Information and support are also available from the College Center for Advising Services, the Financial Aid Office, the Office of Minority Student Affairs, and the International Services Office.

Academic opportunity
Undergraduates receive extraordinarily strong education in their chosen fields. Additionally, Rochester offers many options beyond traditional course work. Opportunities that allow our students to explore their individual interests further include Professional Degree Programs, Dual Degree Programs, Research and Innovation Grants, Kauffman Entrepreneurial Year, Take Five Scholars Program, private lessons at the Eastman School of Music, study abroad, and undergraduate research.

Admission requirements
The University of Rochester seeks to admit students who will take advantage of its resources, be strongly motivated to do their best, and contribute to the life of the University community. An applicant’s character, extracurricular activities, job experience, academic accomplishments, and career goals are considered. There are no minimum requirements for admission. Each student’s application is reviewed using a committee process that entails a comprehensive evaluation of each candidate. The typical Rochester student ranks in the top 10% of his or her high school class, has taken two to seven AP or IB courses, has maintained a median academic unweighted GPA of 3.8, and has submitted an SAT score between 1900–2200 or an ACT score between 29–33.

To apply, visit enrollment.rochester.edu/apply/freshmen.

University of Rochester—At A Glance

Type of School: The University of Rochester, founded in 1850, is a private, coeducational research university that occupies a 90-acre residential campus (River Campus) in Rochester, New York.

Enrollment: 6,304 undergraduates; 50% male, 50% female; 12% are historically underrepresented minority students; 18% are international

Faculty: 606 full-time faculty members; 97% of full-time teaching faculty hold terminal degrees in their relevant disciplines; over 95% of undergraduate course instruction is from tenure-track faculty members.

Areas of Study
For a complete list of majors, minors, and certificates, visit enrollment.rochester.edu/academics/degrees.

- Accounting
- African & African-American Studies
- American Sign Language
- American Studies
- Anthropology
- Applied Mathematics
- Arabic
- Archaeology, Technology & Historical Structures
- Art History
- Audio & Music Engineering
- Biochemistry
- Bioethics
- Biology
- Biomedical Engineering
- Brain & Cognitive Sciences
- British & American Literature
- Business
- Cell & Developmental Biology
- Chemical Engineering
- Chemistry
- Classics
- Comparative Literature
- Computational Biology
- Computer Science
- Creative Writing
- Data Science
- Digital Media Studies
- East Asian Studies
- Ecology & Evolutionary Biology
- Economics
- Electrical & Computer Engineering
- Engineering & Applied Sciences
- Engineering Science
- English
- Entrepreneurship
- Environmental Health
- Environmental Science
- Environmental Studies
- Epidemiology
- Film & Media Studies
- Finance
- Financial Economics
- French
- Gender, Sexuality & Women’s Studies
- General Management
- Geological Sciences
- Geomechanics
- German
- Health Policy
- Health, Behavior & Society
- History
- Interdepartmental Studies
- International Relations
- Japanese
- Language, Media & Communication
- Linguistics
- Marketing
- Materials Science
- Mathematics
- Mathematics & Statistics
- Mechanical Engineering
- Microbiology
- Molecular Genetics
- Music
- Neuroscience
- Optical Engineering
- Optics
- Philosophy
- Physics
- Physics & Astronomy
- Political Science
- Psychology
- Religion
- Russian
- Russian Studies
- Spanish
- Statistics
- Studio Arts
- Theater
prepare and inspire our students for the future. Whether you are majoring in Biology, Biochemistry, Chemistry, Computer Science, Mathematics, or Physics, research opportunities are available to you. Recently our science majors have completed internships at institutions such as Mount Sinai School of Medicine and the New York Zoological Society (Bronx Zoo).

Our science graduates also gain admission to leading doctoral programs and medical schools. In fact, Manhattan College is one of a select number of undergraduate colleges with a chapter of Phi Delta Epsilon, an international medical fraternity. Furthermore, our research programs and facilities have received funding from the National Science Foundation, the Pew Charitable Trusts, the Howard Hughes Medical Institute, and other prestigious sources.

**Manhattan College**

Founded in 1853, Manhattan College, a private, independent, coeducational institution, offers an exceptional college education enriched by Lasallian Catholic values. Our celebrated faculty, small classes, and exciting internships prepare our students for a lifetime of achievement in a suburban campus that is located only minutes from Midtown Manhattan.

Manhattan College offers more than 40 majors within the College’s six schools: Liberal Arts, Business, Education and Health, Engineering, Science, and Continuing and Professional Studies. The College’s nationally acclaimed engineering and science programs will provide you with the revolutionary knowledge and resources you need for a successful career. At Manhattan your education is both practical and innovative.

In addition, a student-faculty ratio of approximately 12:1 allows our students to receive individual attention and support from distinguished faculty who are renowned in their fields. Coupled with our small class sizes, our students thrive in a tailored learning environment that promotes personal and professional achievement that lasts a lifetime.

**A heritage of excellence**

An education from Manhattan College will open doors to your future. By providing our students with an exceptional education and access to cutting-edge resources, our science graduates have gone on to create an essential valve for the artificial heart and devised the key mathematical formula for oxygen transfer in surface waters.

Manhattan’s engineering alumni lead some of America’s most prominent firms. In fact, our graduates designed and constructed the United Airlines terminal at O’Hare International Airport; Philadelphia’s 65-story One Liberty Place; the Kuala Lumpur City Centre, home of some of the world’s tallest buildings; and the new Yankee Stadium in the Bronx.

By becoming part of the Manhattan College community, you will receive valuable real-world experience through our internship and mentor programs that will help guide you toward professional achievement and success.

**The sciences**

Manhattan College, which is nationally recognized in the sciences, provides hands-on learning experiences and research opportunities to help
Engineering. Graduate study at the master’s level is available in Chemical, Civil, Computer, Electrical, Environmental, and Mechanical Engineering programs. Each of these programs also offers the seamless five-year master’s degree option, through which students can earn both the BS and the MS degree in five years. The master’s degree program in Civil Engineering offers a concentration in Construction Management, and the school offers an accredited Master of Environmental Engineering degree. Graduate engineering certificate programs are also available. In addition, the School of Engineering is a New York State- approved provider of Continuing Education Hours (CEH) for Professional Engineering License registration, and there are a variety of opportunities available for earning CEH credit.

**Beyond the classroom**

Students in both engineering and science have a number of opportunities to participate in research projects. Research allows you to gain a deeper appreciation for the discipline, clarify career goals, and establish relationships with faculty members. The experience builds both hard and soft skills that are easily transferable—in graduate school and the job market.

In the School of Science, students are encouraged to participate in research projects in collaboration with professors, including writing papers and presenting at conferences. Each year all School of Science student research papers are published in the *Manhattan Scientist*, a journal dedicated to the work of science students.

Recently, several School of Engineering projects have made a national impact in the engineering field, including an EPA-funded project on sustainable concrete and a group of chemical engineers who are helping reduce the country’s carbon footprint at the Idaho National Laboratory.

Internship opportunities abound in New York City and the surrounding metro area. Many students connect with our science and engineering alumni, connecting with a collection of Jaspers who work at more than 800 companies and agencies around the world.

**21st-century facilities**

The emphasis on technology will give you an edge in your career. All student residence halls are equipped with the latest (802.11n) wireless technology in addition to the standard wired high-speed connection to JasperNet, the campus-wide computer network. In addition, specialized computer laboratories for each school are furnished with advanced hardware and software packages—including Adobe and AVID for arts majors; AutoCAD, Fluent, and 3-D printing for engineering; SMARTboards for education; a scaled-down trading floor classroom modeled after the NYSE for business; and virtual computing terminals for science—providing students with the same tools used in industry. All together, this totals more than 500 workstations.

Manhattan College has infused technology into all campus classrooms to provide faculty and students access to rich online content that enhances the learning experience. Manhattan is constantly developing and advancing technology features on campus, such as the Raymond W. Kelly Student Commons, a five-story, 67,400-sq. ft. student center that opened in fall 2014. The Commons is not only a central location for the north and south campus but also incorporates the newest technological capabilities, such as a multipurpose performance space (able to accommodate plays, dinners, dances, lectures, and seminars), a fitness center, a wireless lounge with couches, bookstore, café, new cafeteria, student government office, multiple practice spaces, band room, staff offices, meeting rooms, faculty dining room, student activities office, and much more.

**An ideal place to live and learn**

Manhattan College offers students the best of both worlds: an intimate, close-knit campus located in New York City’s suburban Riverdale community and easy access to one of the most exciting cities in the world—New York.
1. We don’t stand in your way
At Florida Tech you dive right into the major-related classes and faculty research your freshman year. Come prepared to study, because our undergraduate programs are challenging and rigorous, which gives you the knowledge that leading companies are looking for.

Florida Institute of Technology
High Tech with a Human Touch™

The Top Five Reasons to Attend Florida Institute of Technology

Florida Institute of Technology is a regionally accredited, coeducational, nonprofit, doctoral-granting research university providing a high-quality education with a diverse international and domestic student body. Florida Tech is unique in that it provides the resources of a national research institution as well as the robust, personalized learning experiences of a small college, a combination the University calls “High Tech with a Human Touch.” Ranked a Tier One Best National University by U.S. News & World Report, it is also the only independent technological university in the southeastern United States. As such, Florida Tech attracts high-achieving students from all 50 states and more than 100 countries worldwide. The London-based Times Higher Education has ranked Florida Tech one of the top 20 small universities in the world.

2. You get real, hands-on experience
Apply your knowledge long before you enter the job market. From senior design projects to cooperative education and internship opportunities, Florida Tech graduates are well prepared for career success.

No matter if you’re studying distant galaxies at our Olin Observatory, one of the largest research telescopes in the Southeast, or investigating the health of the Indian River Lagoon, your hands-on experience at Florida Tech puts you at the forefront of cutting-edge research. You have access to instruments and technologies used in the real world as well as those being developed to solve the problems of tomorrow.

3. Our graduates do amazing things
Florida Tech’s focus is on our students’ success. Our Career Management Services office provides a wide
range of services designed to meet your employment needs. Whether you are seeking an internship, co-op, or career upon graduation, Florida Tech will prepare you for the future.

As evidence, consider a survey of our recent grads, which revealed a 95% placement in graduate school, careers, and other opportunities of choice within six months of graduation. Among those employed, the average starting salary was more than $50,000.

4. You can't help but love our location
Melbourne offers students the best of both worlds: student life and a great place to study. Our year-round beautiful weather offers students the ability to enjoy all types of outdoor activities, including skateboarding, swimming, sailing, fishing, and of course, surfing. Located just minutes from the beach and downtown Melbourne, 50 minutes from Kennedy Space Center, one hour from Orlando, and three hours from Miami, there's always something to do during your downtime.

5. You always have something to do
On campus there are more than 100 clubs and organizations, which means there's always a fun and worthwhile way for you to participate in activities you care about. We have student groups for badminton, bowling, climbing, ice hockey, surfing, dance, gaming, video production and photography, martial arts, Habitat for Humanity, and Relay For Life, just to name a few. With everything from chess to rocketry, we have you covered.

Florida Tech belongs to the prestigious Sunshine State Conference and is home to 22 NCAA Division II intercollegiate sports. Our sports include baseball (M), basketball (M,W), cross-country (M,W), golf (M,W), lacrosse (M,W), rowing (M,W), soccer (M,W), softball (W), swimming (M,W), tennis (M,W), track (M,W), and volleyball (W). Florida Tech football (M) competes as a member of the prestigious Gulf South Conference.
The Cooper Union for the Advancement of Science and Art, established in 1859, is among the nation’s oldest and most distinguished institutions of higher learning. As the legacy of its founder, Peter Cooper, the school occupies a special place in the cultural fabric of American life.

Dedicated exclusively to preparing students for the professions of architecture, art, and engineering, The Cooper Union has an enrollment of approximately 1,000 undergraduate students and was the first college to forbid discrimination. Each year approximately 225 innovative, passionate young minds enter our school with the goal of becoming deeply involved with the study of architecture, fine arts, and engineering. At Cooper Union we offer students a gift—an annual half-tuition scholarship valued at about $20,000—and expect in return that they will add to the uniqueness and intellectual community of our school.

Vibrant location
Located in the East Village in Manhattan, Cooper Union is at the center of world culture, music, art, design, and progressive thinking, not to mention food from every country imaginable. Have a craving for Ukrainian pierogies at 3:00 am? No problem. Want to take part in a poetry slam or see an off-Broadway play? Our neighborhood has all this to offer. Cooper Union is surrounded by several large universities, meaning that tens of thousands of students live, study, and work within a few blocks of campus. This adds to the vitality and vibrancy of the neighborhood.

Cooper Union has always held a special place in the history of New York and the United States. What would become the NAACP and the American Red Cross had their first meetings at Cooper, and Susan B. Anthony had her offices located in our school. Before they were elected, Presidents Lincoln, Grant, Cleveland, Taft, Theodore Roosevelt, and most recently Barack Obama spoke in our celebrated auditorium, the Great Hall. Lincoln gave his “Right Makes Might” speech from the Great Hall podium, assuring him the presidential nomination. Sitting US Presidents Wilson, Clinton, and Obama have also spoken here. We continue to sponsor lectures that encourage open dialogue on current political, economic, and social issues, e.g., human and civil rights, freedom of speech and press, alternative sources of energy, and other issues of emerging importance.

The Office of Admissions seeks students who are serious about learning and want to work closely with a faculty of prominent professionals who are dedicated to teaching and research. As a highly selective institution, we admit about 20% of the students who apply to the Albert Nerken School of Engineering. Most admitted students earn A’s in high school, excelling in math, physics, and chemistry course work. We seek exceptional, well-rounded applicants who have excellent writing and communication skills and a desire to use engineering to better the world. More detailed information can be found at cooper.edu/admissions.

Progressive history
Peter Cooper purposely created an institution that would admit students based solely on merit. He literally opened the doors of the school to the downtown neighborhoods, welcoming immigrants who had demonstrated academic excellence but lacked the financial means to earn a higher education. Staying consistent with Peter Cooper’s original vision to provide a quality education to all, The Cooper Union continues to seek out exceptional women and historically underrepresented minorities interested in STEM careers. Cooper’s small, tight-knit community welcomes and provides support for all students interested in the fields of science, math, and engineering.

The best of both worlds
What we offer is a world-class education in an intimate setting within a city of eight million people. You can
feel at home at Cooper Union, where faculty and students really get to know each other. Want a break from your “new family”? Just walk outside the Engineering building—spend an hour or two at a jazz club, or discuss politics with a local at a coffeehouse.

Invention Factory
Cooper Union’s Invention Factory is a summer program for Cooper Union Engineering students made possible by a generous donation from the Edward Durbin and Joan Morris Innovation Fund. Students work intensively in teams of two on inventions they conceive of in the first week of the program. Each team is provided with a budget for components and access to and training on laser cutters, 3-D printers, and Cooper’s machine shop.

Students work five days a week on their inventions, often late into the night. Final projects are judged and one is deemed “Best Invention” and awarded a $5,000 prize. Each invention is the subject of a provisional patent application filed with the United States Patent and Trademark Office. To view the inventions of the program, visit inventionfactory.org.

Research projects
What makes a Cooper Union education so exciting is that students can do meaningful projects starting in their first year. There is no need to wait until your junior year to start working in the labs.

The C.V. Starr Foundation at The Cooper Union serves as the primary research unit of the School of Engineering. By encouraging and supporting research, the foundation augments the educational opportunities for students, enhances professional development of faculty, and provides services to the community through its research and development efforts.

Projects undertaken by the Foundation are externally funded. Faculty members serve as project directors, assisted by other faculty members, outside consultants, and undergraduate and graduate students of The Cooper Union.

Currently the Foundation has three research centers in 1) biomedical engineering; 2) sustainable engineering, architecture, and art; and 3) signal processing, communications, and computer engineering.

Cooper Union has collaborated on NIH grants focused on adolescent sleep apnea, obesity, and polycystic ovary syndrome (PCOS). Other projects related to sustainable engineering and design include:

- Reclamation of waste heat from a steam pipe to maintain soil and vegetation output year-round
- Water-turbine power generation in municipal waterways
- Extremely low-cost solar-powered lanterns used in developing countries

The Cooper Union has also partnered with the small business community on several efforts in the SBIR/STTR program, including one to develop the Cognitive Communications Gateway Engine (CCGE). The CCGE is a highly flexible gateway configuration and deployment engine that allows information translation across a wide set of waveforms. Tactical radios typically use a specific waveform that prevents them from freely communicating with radios on another network. Creation of a flexible communication gateway that supports interoperability would obviously lead to significant time and cost savings.

Student services
To support the rigorous academic experiences and daily lives of our student body, the Office of Student Affairs oversees the following:

- First-year residence hall
- Intercollegiate athletics
- Career placement and graduate school advisement
- Student clubs, activities, and government
- First-year student orientation
- Mental health counseling

How much does it cost to attend Cooper Union?
Our Financial Aid staff administers additional funds for students eligible for aid. While all students are awarded a half-tuition scholarship, many need additional help to cover remaining tuition, books, supplies, housing, transportation, and personal expenses. Over 90% of our incoming students receive additional grants above the half-tuition scholarship, either through need-based or merit aid. Our students may also receive additional help through grants, loans, and work-study. For students receiving no additional aid other than the half-tuition scholarship, expect to pay about $20,000 for tuition and another $20,000 for expenses related to housing, food, books, supplies, etc. In order to apply for additional aid, all students must submit the FAFSA form. Please visit cooper.edu/admissions/financial-aid for more information.

Connecting with Cooper
The Cooper Union uses the Common Application for applicants seeking undergraduate admission. For information regarding the application, events, and more, follow @Cooper_Adm on Twitter and Instagram. A full list of ways to contact us, including a link to join our mailing list, can be found at cooper.edu/admissions/contact.

CARD #1998 ADDRESS 30 Cooper Square, New York, NY 10003 PHONE 212-353-4120 WEBSITE cooper.edu E-MAIL admissions@cooper.edu

Degrees awarded:

- Five-year Bachelor of Architecture
- Four-year Bachelor of Engineering in Chemical, Civil, Electrical, or Mechanical Engineering
- Four-year Bachelor of Fine Arts
- Four-year Bachelor of Science in General Engineering
- Three-semester, post-professional Master of Architecture II
- Two-year Master of Engineering
**Why choose Belmont?**

Belmont is a Christian university located in the heart of Nashville, Tennessee, nestled just a few miles from downtown and organizations that focus on careers in the sciences, health sciences, and technology.

We are the largest Christian university in Tennessee and among the fastest-growing in the nation, offering over 90 programs of study with more than 7,700 undergraduate and graduate students from all 50 states and over 25 countries.

Every aspect of Belmont—from the robust academic environment to the full range of activities—focuses on possibility. Students thrive in Belmont’s caring Christian environment. Belmont believes that every student is created for a purpose in life, and we are committed to helping students realize their potential. It’s a small wonder so many students tell us they find themselves—and what they mean to the world—here.

**What makes science and math at Belmont unique?**

The College of Sciences & Mathematics at Belmont University is comprised of the departments of biology, chemistry & physics, mathematics & computer science, and psychological science and is dedicated solely to undergraduate instruction in the sciences. Our faculty excel at developing personal relationships with students and providing opportunities to engage hands-on in the process of science.

The College is housed in Belmont’s new $76 million Janet Ayers Academic Center, which boasts modern classrooms, well-equipped teaching laboratories, dedicated undergraduate research space, and state-of-the-art instrumentation facilities. Students benefit from instruction in a small classroom setting by faculty dedicated to teaching undergraduate science students, coupled with opportunities to engage in one-on-one mentored undergraduate research.

Typically students conduct at least two semesters of research and have the opportunity to present their findings at national or regional scientific conferences as well as the annual Belmont Undergraduate Research Symposium. A variety of opportunities are offered for students to engage in research during the academic year and during the summer. In addition, students may participate in experiential learning activities through science- and math-related student organizations, internships, study abroad, and service learning.
Come and see

Everything about Belmont University is geared toward giving you the freedom to develop your unique strengths and gifts so you can change your world. Whether you are interested in a career in the sciences, health sciences, or technology, graduate programs and employers alike are looking beyond course work in the sciences for students with independent research experience, the ability to work as part of a team, and the skills to communicate effectively.

The combination of excellent instruction in the sciences, including undergraduate research opportunities and a strong liberal arts core, prepares our students with these skills and makes them competitive for employment or graduate study at the national level.

Come experience our community for yourself. Talk to students, faculty, and admissions staff. Take a tour, visit a class, and see why we boldly claim that Belmont can take you from here to anywhere!

Belmont University
College of Sciences & Mathematics

Undergraduate Majors:
• Applied Discrete Mathematics
• Biochemistry & Molecular Biology
• Biology
• Chemistry
• Computer Science
• Engineering Physics
• Environmental Science
• Mathematics
• Neuroscience
• Pharmaceutical Studies
• Physics
• Physics Pre-health
• Psychology
• Web Programming & Development

Pre-professional Programs:
• Pre-allied Health
• Pre-dental
• Pre-medical
• Pre-occupational Therapy
• Pre-optometry
• Pre-pharmacy
• Pre-physical Therapy
• Pre-veterinary

Undergraduate Research in Leading-Edge Facilities

The Janet Ayers Academic Center contains state-of-the-art instructional spaces and research laboratories for the natural sciences, computer science, and mathematics containing 20 science labs outfitted with more than $2 million in equipment, including:
• State-of-the-art spectrometers
• A microwave reaction chamber
• A cold room and incubators for biological studies
• A state-of-the-art laser laboratory
• Acoustics laboratory
• Operational green roof
• Ecology/zooology/labotany lab
• Anatomy and physiology labs
• Organic chemistry lab
• Chemistry instrumentation lab
• Zebrafish lab
• Tissue Culture lab
• Microscopy suite
• Cell/molecular/genomics lab
• Learning lab–animal lab with Skinner boxes, a radial maze, and attenuation chambers
• Physiological lab–EEG, reaction time, and biofeedback equipment
• Social/development lab–audio-visual recording equipment, two-way mirrors
• Dissection lab–numerous models to guide anatomical dissections
• Cognition/sensation and perception lab–eye tracking, oculus devices

At many universities this kind of high-caliber equipment is reserved strictly for graduate students; at Belmont, however, undergraduate students have exclusive access to this equipment during daily classes, labs, and research projects.
COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

From the FM radio and steamboats to modern robotics and lasers, Columbia has been an engine of innovation and a pioneer in technology since its founding in 1754.

A community in New York City
As an Ivy League institution, Columbia offers a renowned liberal arts education within the nation’s most global city—a place for problem solvers and thinkers to make an impact on a grand scale. A 36-acre campus in the Upper West Side of Manhattan, Columbia is a residential university with four years of guaranteed housing for incoming first-year students, creating a community composed of one of the most diverse, talented student bodies in the world, coming from 50 states and over 90 countries, and with more than half self-identifying as students of color.

While undergraduates can choose from more than 150 study abroad opportunities, New York City itself serves as a global experience, giving you an unparalleled place to discover and explore the scientific fields through opportunities in research and entrepreneurship.

Scientific breakthroughs and timeless texts
More than a third of incoming Columbia College undergraduates choose science majors. When you include Columbia engineering majors, half of our undergraduates are majoring in science or related fields. Most science departments have a 3:1 student-faculty ratio. Professors here are giants in their fields yet keep open office hours and teach and mentor undergraduates, inspiring their students to take their own giant steps.

No matter your major or department, at Columbia you join a collaborative academic community that emphasizes the interdisciplinary nature of scientific inquiry. The famed Core Curriculum cultivates the critical and creative capacities of students to lead in the fields of science and beyond. Opportunities for research at Columbia—which exist in the hundreds for undergraduates—are never bound by departmental structures and majors.

Our engineering curriculum provides a world-class technical education but also exposes students to entrepreneurship and innovation, with a focus on interdisciplinary collaboration through a hands-on first-year introductory engineering class, our legendary Core Curriculum, and more than 20 minors in the liberal arts.

Committed to access
We meet 100% of the demonstrated financial need of every admitted first-year student who has applied for financial aid, and we continue to meet 100% of demonstrated financial need for all four years of study. Admission to Columbia is need-blind for US citizens and permanent residents and persons granted refugee visas by the United States. We award financial aid to foreign students, though financial need is taken into consideration at the time of admission.

At Columbia every day we are pushing the conversation of discovery forward.
Our students are creating the future. They have big, bold ideas, and they come to Florida Polytechnic University looking for ways to make their visions a reality.

Are you the next?
When you come to Florida Poly, you’ll be welcomed by students and faculty who share your passion for pushing the boundaries of science, technology, engineering, and math (STEM). With small classes and professors who work side-by-side with students on real-world projects in some of the most advanced technology labs available, the possibilities are endless.

Who we are
Florida Poly opened its doors in fall 2014 as the newest member of the State University System of Florida and the only one dedicated exclusively to preparing students for careers in STEM. That means even your core classes—humanities, literature, philosophy—incorporate some aspect of science and technology. This is not a place where you wait two years to get into a lab; freshmen can expect hands-on projects based on real-world issues their first semester.

Where we are
Florida Poly is strategically located in Lakeland, the heart of the Sunshine State’s High Tech Corridor. Our campus is a short drive from both the theme parks of Orlando and the beaches of Tampa. You’ll take the warm, sunny weather for granted faster than you can imagine.

Florida Poly perks
Joining a new university means you have a strong voice in creating the traditions and culture that will last for generations to come. Our students have launched more than 20 clubs, including the inaugural PolyCon and Hackathon. Another big perk: high-tech equipment. Our labs are filled with the latest technology, including a supercomputer; the largest MakerBot Innovation Center in the country, with more than 50 3-D printers and scanners; isolated servers for cyber security training and robotics development; and one of the world’s first all-digital libraries.

Get started
Since grade school you’ve talked about being the next to go faster, to build it better, and to lead the way. It’s time to make that happen, and Florida Poly is where you start. C’mon. Be the next.
Experience life at Eastern Kentucky University, a prestigious institution that offers challenging academic programs along with dynamic student life enrichment opportunities.

Best of both worlds
Whether you’re seeking the peace and quiet of a small town or the buzz of a large city, you can find it here. Our main campus is located in Richmond, Kentucky, a fast-growing but still quiet community of 33,500 where the Bluegrass Region and all its scenic horse farms meet the foothills of the rugged Appalachian Mountains. Just 25 miles north, an easy drive on I-75, is Kentucky’s second-largest city, Lexington, population 314,500. Other large cities within an easy two-hour, all-interstate drive are Louisville, Kentucky; Cincinnati, Ohio; and Knoxville, Tennessee.

Not too big, not too small
You’ll discover that EKU, with 16,844 students, is large enough to offer all the academic choices (108 undergraduate degree programs with many options) and extracurricular activities you expect from a university this size yet small enough to retain a personal touch. With a student-faculty ratio of 16:1, you’ll be treated as an individual. Our distinguished faculty and dedicated staff take a personal interest in your success. The emphasis at EKU is on teaching and mentoring, and most of your classes will be taught by full-time faculty. Our accredited cooperative education program can connect you with work internships and co-op jobs that will help build your résumé in your field of study.

Where science comes alive
EKU is the home to Kentucky’s newest and most advanced Science Education Center. In October 2014 the University broke ground on phase two, which will add 25 new teaching labs, 31 new research labs, and 17 preparation labs specially designed for collaborative research among faculty and students and hands-on learning. The 158,000-sq. ft. addition, scheduled to open in 2017, will house EKU’s nationally renowned biological science programs of Forensic Science and Wildlife Management, as well as its new and fast-growing Geographical Information Systems (GIS) program in the Department of Geography and Geology.

Designated as a 2015 STEM Jobs Approved College, EKU was rated in the top 125 schools in the nation in

E K U

The value of a college education is priceless; that is why EKU invests in you. To discover EKU’s financial commitment to your education, enter your test scores and unweighted GPA into our Scholarship Estimator.
providing outstanding STEM instruction. The ranking survey rated schools on how effectively they align their academic programs to high-demand, high-paying STEM jobs, how well they assist their students in achieving career aspirations in STEM fields, and their success in attracting and supporting diverse students and faculties in STEM fields. EKU was one of a handful of schools to achieve Gold Status, the highest possible rank.

If you’re interested in the field of engineering, explore EKU’s award-winning Applied Engineering Management (AEM) program. Accredited by the Association of Technology, Management, and Applied Engineering (ATMAE), the program prepares graduates for supervisory and technical engineering management positions in industry such as production supervision, product development, quality control, maintenance supervision, project management, production control, and other related areas.

And if your aspirations are “sk high,” consider earning your Wings of Gold through EKU’s premier Professional Flight Aviation program. EKU is a national leader in pioneering the new FAA-restricted Airline Transport Pilot (R-ATP) authorization as part of our commercial pilot curriculum. EKU is the only university in the nation offering either 100 or 150 multi-engine flight hours as part of our pilot training. Professional flight students can receive FAA flight certification as a private pilot, instrument pilot, commercial pilot, and instructor pilot. Our students will also earn the coveted FAA-endorsed “1,000-hour power” certificate, which provides quicker access to the cockpit rather than completing 1,500 total aircraft hours before taking the ATP exam.

EKU also offers the first bachelor’s degree program focusing on game design in the state of Kentucky. The EKU Gaming Institute focuses on the design, development, and publication of video games within an academic context.

**Expand your world**

Expand your horizons by exploring study abroad opportunities, joining one of our 230 clubs and organizations, or getting fit playing intramural or club sports or participating in our outdoor adventure programming. You’ll grow from your interaction with a diverse student body that includes nearly 350 international students along with students of diverse backgrounds from across the nation. Whether you want to go Greek or live in one of our unique Living and Learning Communities, you will find plenty of opportunities to live, learn, and grow.

**See for yourself**

Oftentimes seeing is believing, so plan your visit now to experience firsthand why EKU is a special place that feels like home. Go to admissions.eku.edu/visit to find a time that suits you best. Visit the Virtual Campus Experience at virtualtour.eku.edu to hear from students why EKU is an outstanding place to begin your educational journey.
Inquiring minds need a place to explore: our new 70,000-sq. ft. facility provides a state-of-the-art home for all of the disciplines in Saint Francis University's School of Sciences.

A Franciscan approach to engineering

Real-world experience and a dedication to service learning is the hallmark of engineering at Saint Francis University in Loretto, Pennsylvania. In our program you will learn to use math and science to solve some of the most important problems facing society today, and we believe that you should start putting your skills to good use even before you graduate.

Our students put their education into action with design projects for class, paid internships, summer research, and engineering service projects both in Pennsylvania and abroad. By combining classroom learning with authentic projects, our students develop the wide variety of skills needed to be successful in the rapidly growing field of engineering.

Degree options

- **Environmental Engineering.** Four-year ABET-accredited program all at Saint Francis leading to a BS in Environmental Engineering
- **3-2 Dual-Degree Engineering.** Five-year program in any branch of engineering leading to a BA from SFU and a BS from the partner school

- **Petroleum and Natural Gas Engineering.** Four-year program preparing students to be engaged and conscientious leaders in the industry

A passion for environmental engineering

Environmental engineering is one of the fastest-growing professions in the United States. Environmental engineers use the principles of science and math to manage ecosystems, restore polluted lands, and protect our soil, air, and water resources. These natural resources are just what people need to lead healthy and productive lives, and, accordingly, environmental engineers are in high demand.

The University's rural, mountainous setting makes it the perfect location for an accredited Environmental Engineering curriculum that can move fluidly from classroom to field site. Students in the program prepare to be leaders in the environmental engineering profession by focusing on lab-scale experimentation, field-scale design, theory and computer modeling, written and oral communication, and ethical decision making.
The SFU difference

Classrooms without walls. Our students get experience in the field and in the lab as well as behind a desk. SFU classroom settings match the workplace environment.

Communication skills in every class. Engineers need to be able to explain their ideas to others. Our students practice communication skills in every engineering class they take.

Internships and summer research positions. Engineering majors can gain valuable experience while they are still in school. We help our students get connected with internship experiences and summer research.

Individualized instruction. With Engineering class sizes averaging between 10–15 students, you’ll get one-on-one attention from the professor.

Real-world design projects. Our students work on real design projects drawn from our partners in industry and nonprofits.

A solid grounding in the liberal arts. We expect our graduates to become leaders in their professions and their communities. A liberal arts education rooted in tradition gives them the solid background needed to take a Franciscan approach to engineering.

A Snapshot of Saint Francis University

A private, Catholic, coeducational liberal arts and sciences institution founded in 1847, located in the heart of the Allegheny Mountains of Pennsylvania on a 600-wooded-acre campus less than two hours from Pittsburgh

Enrollment

Approximately 1,800 undergraduate students and 2,400 total students enrolled in four professional schools: Arts and Letters, Business, Health Sciences, and Sciences

School of Sciences

Programs include:

- Biology
- Chemistry
- Computer Science
- Engineering
- Mathematics
- Pre-professional (Dentistry, Medicine, Pharmacy, Veterinary, etc.)

CARD #441 ADDRESS Admissions Office, PO Box 600, Loretto, PA 15940
PHONE 866-342-5738 WEBSITE francis.edu E-MAIL admissions@francis.edu

▲ Saint Francis University’s mountain-top location provides plenty of nearby water sources such as Brubaker Run to conduct field work.

▲ Students log data at the Stoneycreek Watershed.

▲ Saint Francis University students and faculty take a time out with a Bolivian engineer during a recent water reclamation service learning project.
Animation
The major in Animation leading to the BFA degree is designed to provide those students passionate about using computer strokes to breathe life into their art form. JU’s College of Fine Arts provides the creative and technical skill sets to do so. Storytelling through sound animation principles is at the core of all that we do, from design to modeling and through animation to rendering. Majoring in Animation at JU will prepare you to enter the field of animation in many areas, including filmmaking, commercial animation, and game animation.

Marine Science
The Department of Biology and Marine Science offers both undergraduate and graduate programs. Biology and marine sciences, like all science, are not simply bodies of knowledge. Through the different teaching styles of our gifted faculty and their varied field and laboratory experiences, students are mentored and engaged in hands-on experience through internships and research. Students may also register for independent study courses or apply for a laboratory assistant position.

Chemistry
JU’s Chemistry department provides the framework and practical experience to prepare students for a professional career in general, organic, analytical, inorganic, and physical chemistry, as well as biochemistry. The innovative teaching approach emphasizes extensive use of technology and hands-on investigations to help develop skills in critical thinking, problem-solving, and communication.

Geography
Geography is the study of place in the same sense that history is the study of time. Moreover, geographers concentrate on asking two essential questions: Where are things located? And why are they located there? From the information we obtain to these questions, geographers can study the local,
national, and global patterns that shape our lives. As interdisciplinary scientists who study both the human and natural environments, geographers are free to study issues and phenomena from virtually all other disciplines. Geography is divided into three distinct fields and numerous subfields: human geography, physical geography, and technical geography. Geography majors may also elect to pursue an environment track, including courses in climate change, conservation, and ecology.

Health sciences
Brooks Rehabilitation College of Healthcare Sciences, School of Nursing is committed to the success of each student as a self-assured, competent, caring professional nurse. Our students are prepared to practice in an evolving, complex health care environment, provide leadership to promote health among culturally diverse people, and promote the advancement of nursing knowledge through evidence-based practice and lifelong learning. For applicants with a bachelor’s degree who wish to pursue a career in nursing, JU offers the opportunity to complete a Bachelor of Science in Nursing degree in 16 months with our Second Degree Program.

Brooks Rehabilitation College of Healthcare Sciences, School of Applied Health Sciences offers exceptional academic opportunities for the next generation of students. The School of Applied Health Sciences is comprised of the Communication Sciences and Disorders, Health Informatics, Kinesiology, and Mental Health Counseling departments.

Physics
The Physics Department offers majors in Physics and Engineering Physics, providing a complete physics learning experience in a liberal arts environment. From JU’s Society of Physics Students (SPS) chapter to exciting collaborations and research projects through Collaborate JU, our diverse and expert faculty are ready to welcome you.

Engineering
Students may obtain a Bachelor of Science in Mechanical Engineering or Electrical Engineering through JU’s Department of Engineering. Our degree program is designed to position you for success in the world of engineering and across global markets. Explore courses in robotics, electronics, thermodynamics, 3-D printing, and much more. Science and mathematics requirements include general chemistry, calculus, differential equations, general physics, and mechanics.
Science and engineering are full of paradoxes:

- Physicists discover that at the subatomic level, the solid world around us is actually made of energy.
- Engineers fabricate machines of iron that fly through air.
- Biologists study life but can’t define it.

And—paradoxically—you’ll find an extraordinary undergraduate science education, including engineering, at a college better known as one of the top liberal arts institutions in the country: Swarthmore.

Here’s why...

Swarthmore is dedicated to teaching undergraduates. Even as a first-year student, you’ll work closely with the brilliant scientists and engineers who make up our faculty. They are experts who obtained their doctorates at the top research institutions in the country and do fascinating, cutting-edge research. Yet their first calling and commitment is teaching undergraduates.

As a result, you’ll never sit in a survey course with 1,500 other students listening to a professor you’ll never meet. Your papers will never be graded by graduate student teach-
WHY SWARTHMORE?

Programs in engineering and the sciences:
- Astronomy
- Biology
- Chemistry
- Computer Science
- Engineering
- Environmental Studies
- Mathematics
- Physics
- Statistics

These may also be combined: Astrophysics, Bioengineering, Biochemistry, Neuroscience, and so on.

Science in context
There’s more to you than the scientist. At Swarthmore the musician, the linguist, the political scientist, and the philosopher in you will all get the same attention and respect as the biologist or engineer.

When you graduate from Swarthmore, you’ll have learned how to write clearly and persuasively, to assemble knowledge from many sources, to present ideas, to take a risk—in short, how to think.

Exploring a wide range of interests at Swarthmore will also make you a better scientist. In the “real” world, science doesn’t happen in a vacuum. You need to have the vision to seize new opportunities, understand the larger context, overcome political hurdles, write successful grant proposals, and explore the ethics of your research.

That’s what a liberal arts education is all about. And in a time when the frontiers of science change daily, it’s your best insurance for a constantly growing, challenging future.

Learn by doing: labs
At Swarthmore all science and engineering courses have lab sections that let you discover the world for yourself. You may explore quantum electronics with a state-of-the-art titanium-sapphire laser or study the origins of life using a DNA amplification chamber.

Some of the pieces of equipment at your disposal cost a quarter of a million dollars or more, but no one thinks twice about allowing undergraduates to use them. In fact, we bought them especially for you.

There are no graduate students here. In addition to classes and labs, you will have the opportunity to work with professors on their own research. Swarthmore faculty are awarded many research grants each year, most of which include funding for research assistance. You may want to spend a summer gaining graduate-level experience on one of these projects.

SWARTHMORE FACTS

Students:
- In 2016 Swarthmore students bested 20 other schools at Georgetown’s Innovation Marketplace Challenge with a proposal for an electric moped ride-sharing program in Jakarta, Indonesia, aimed at reducing air pollution and traffic.
- Swarthmore ranks #3 among US colleges and universities for students who go on to earn PhDs.
- 88% of our seniors and alumni who apply to medical school are accepted, compared to the national average of 41%.

Alumni:
Five Nobel Laureates are Swarthmore alumni. Swarthmore is also extraordinarily well represented in the membership of the National Academy of Sciences and other prestigious science and engineering organizations.

Facilities:
Swarthmore’s facilities are extensive and up-to-date, but there are too many to list. (Please feel free to call and talk to the head of the department you’re interested in for more information.)

Faculty:
In the sciences and engineering, virtually all of Swarthmore’s professors hold doctoral degrees.
Case Western Reserve University students are serious about success, and every facet of their college experience is geared toward equipping them with the knowledge and skills that will allow them to become 21st-century leaders in their fields. From rigorous course work and hands-on learning experiences to vibrant city living, a Case Western Reserve education prepares Science and Engineering students to become distinguished academics, savvy leaders, and productive global citizens.

**Academic lessons**
Case Western Reserve offers 22 undergraduate academic programs in natural sciences and mathematics and 14 Engineering majors—including a Biomedical Engineering program ranked eighth in the country. Each of these programs weaves intense classroom theory with hands-on application in a host of real-world settings.

Throughout the curriculum, scientific theory is infused with practical experience. Engineering students design working prototypes that make the hypothetical real; students in the natural sciences, likewise, put their textbook knowledge to work creating and testing hypotheses alongside faculty members, in groups, and on their own.

All undergrads benefit from Case Western Reserve’s common curriculum, SAGES (Seminar Approach to General Education and Scholarship). SAGES courses feature small, interdisciplinary seminars that connect students to faculty and world-class institutions in our University Circle neighborhood. The course work focuses on sharpening the written and oral communication skills that ensure the success of students’ ideas—critical lessons that will help budding scientists and engineers develop theories of their own and articulate their discoveries to the world.

Case Western Reserve’s single-door admission policy allows students the freedom to dedicate themselves to all of their intellectual pursuits, giving them maximum flexibility to build their capacities in additional areas of academic interest.

**Experiential learning**
A CWRU education is founded on the belief that learning is best accomplished through a blending of theory and practice, and 98% of Case Western Reserve students participate in at least one form of experiential learning during their undergraduate careers. Among science and engineering majors, learning outside the classroom commonly takes place in internships, co-ops, research endeavors, and service learning.

**Undergraduate research**
The research opportunities available to undergraduates at Case Western Reserve—in terms of both lab equipment and brainpower—is unparalleled. Undergraduates perfect prototypes using 3-D printers, laser cutters, and other advanced machinery in the Sears think[box] makerspace, soon to be one of the largest university invention centers in the world; toil in research centers dedicated to biorobotics, video game design, and fuel cells;
and conduct experiments on campus, at the medical school, and at neighboring facilities, including Cleveland Clinic and University Hospitals Case Medical Center. Often their hard work is rewarded when, as undergraduates, they become published scientists—their results reported in some of the country’s most prized scientific journals.

Community service
CWRU Science and Engineering students find ample opportunity to help society and better their education. Through the Humanitarian Design Corps, students design and build solutions for rural communities worldwide. Recently they’ve tackled power solutions in Botswana and safe water supplies in Cameroon, Thailand, and the Dominican Republic.

Volunteer opportunities abound for Case Western Reserve students interested in the sciences, including at Cleveland Clinic, University Hospitals Case Medical Center, the Louis Stokes Cleveland VA Medical Center, and the Free Medical Clinic of Greater Cleveland—each within one mile of campus.

Rich educational culture
Case Western Reserve is the centerpiece of Cleveland’s University Circle—one of the most culturally robust communities in the nation. The area is home to more than 40 prominent artistic, cultural, educational, health, and human service institutions. Partnerships with these neighbors, including the Cleveland Botanical Garden, Cleveland Museum of Art, Cleveland Museum of Natural History, Cleveland Institute of Music, and Cleveland Institute of Art, offer students unparalleled access to invaluable educational resources.

Less than five miles away and easily accessible by public transportation, downtown Cleveland is the headquarters of KeyBank, Eaton, Sherwin-Williams, and more and is celebrated for its world-renowned health care institutions, burgeoning culinary scene, and four professional sports teams: the Cleveland Indians, Browns, Cavaliers, and Monsters.

The attractions of Cleveland and University Circle are just a short walk or ride away, and students can easily access all of the area’s cultural and recreational attractions via public transportation, to which undergraduates are granted unlimited access.

Student life
Case Western Reserve students enjoy nearly 200 student organizations and activities to choose from. They play out their potential with a Spartan athletic team, make their voices heard in a student government body, and soak up the spotlight in performing arts groups. There are also academic, religious, and multicultural groups, as well as social fraternities and sororities.

Beyond CWRU
Case Western Reserve students graduate ready to tackle the next phase of their lives, whether that means landing a spot in a top-ranked graduate or professional program or securing employment in their field upon graduation. Within three months of graduation, 92% of the Class of 2015 were accepted to graduate or professional school, employed full time, or pursuing personal or educational interests such as community service or travel.
If you’re looking for an intellectual environment that blends academic and artistic richness with classroom innovation, explore Carnegie Mellon.

Consistently recognized as one of the premier research universities in the world, Carnegie Mellon has produced some of the most distinguished and innovative leaders in the last century. The University’s premier Fine Arts, Business, and Humanities programs are equally matched by its top-ranked Technology, Science, and Computer Science programs. Undergraduate students have ample opportunities to work on research projects independently and with our renowned faculty, developing cutting-edge technology every day.

As a student you’ll acquire both a depth and breadth of knowledge while sharpening your problem-solving, critical-thinking, creative, and quantitative skills. You’ll develop sound critical judgment, resourcefulness, and professional ethics through a collaborative and hands-on education. As a graduate you’ll be one of the innovative leaders and problem solvers of tomorrow.

While a Carnegie Mellon education is marked by a strong focus on fundamental and versatile problem-solving skills in a particular discipline, your talents and interests won’t remain confined to one area.

The University respects academic diversity and provides opportunities to explore more than one field of study. While its programs maintain a strong professional focus, Carnegie Mellon encourages you to think in new ways. In a community with seven colleges and programs, the academic options are as varied as the students who pursue them.

The Carnegie Mellon community is rich with diversity—not only in terms of the majors available to students but also the backgrounds of its students. Students represent 49 states, 60 countries, and a variety of talents, ideas, and personalities. You will meet students from all over the world, each pursuing different majors.

<table>
<thead>
<tr>
<th>Carnegie Mellon At A Glance</th>
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<tbody>
<tr>
<td><strong>TYPE OF SCHOOL:</strong> Private, coeducational four-year university granting bachelor’s, master’s, and doctoral degrees</td>
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<tr>
<td><strong>SIZE:</strong> 148-acre main campus, plus outlying research buildings</td>
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<tr>
<td><strong>LOCATION:</strong> Five miles east of downtown Pittsburgh, bordered by 500-acre Schenley Park and three culturally active residential neighborhoods</td>
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<tr>
<td><strong>NUMBER OF STUDENTS:</strong> 5,950 undergraduates; 5,000 graduate students</td>
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<td><strong>NUMBER OF FACULTY:</strong> 1,223 full time, 167 part time</td>
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<td><strong>STUDENT-FACULTY RATIO:</strong> 13:1</td>
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<tr>
<td><strong>AVERAGE CLASS SIZE:</strong> 27</td>
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<tr>
<td><strong>STUDENT DIVERSITY:</strong> Freshman class population 15% African American, Hispanic/Latino American, and Native American; 17% international</td>
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<tr>
<td><strong>GEOGRAPHIC DIVERSITY:</strong> Student body representing all 50 states and more than 65 foreign countries</td>
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<tr>
<td><strong>FRESHMAN CLASS:</strong> 50% women, 50% men</td>
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**Our majors**
- History
- Information Systems
- Institute for Politics and Strategy
- Modern Languages
- Philosophy
- Psychology
- Social and Decision Sciences
- Statistics
- Science
- Biological Sciences
- Chemistry
- Mathematical Sciences
- Physics
- Bachelor of Computer Science and Arts
- Bachelor of Humanities and Arts
- Bachelor of Science and Arts

* May be taken as an additional major only
Research—it’s not just for scientists anymore!
Research is synonymous with Carnegie Mellon. If you are interested in doing research (and we’re not just talking about in the sciences or engineering), you can do so with faculty who are at the forefront of their respective fields. There are hundreds of research centers and projects to choose from and even undergraduate grants to pursue individual research interests.

Test drive a major
One of the best ways to learn about Carnegie Mellon is to spend time on campus. Our summer Pre-College Programs will show you what life here is all about, from the classroom to what’s happening on the weekends. Choose from either our Advanced Placement/Early Admission credit-bearing program—which allows you to take two courses in Engineering, Computer Science, Humanities and Social Sciences, Math, or Science—or one of our Fine Arts programs in Architecture, Art and Design, Drama, Music, or the National High School Game Academy. We offer the opportunity to experience college in a diverse environment in both the social and educational sense. You’ll have a chance to be inspired by our world-renowned faculty, experience the excitement of campus life, and explore the city of Pittsburgh (cmu.edu/enrollment/pre-college/index.html).

What about my future?
The Career and Professional Development Center serves as a bridge from a hands-on classroom environment to opportunities that exist beyond graduation, further preparing you for the real world. It offers career counseling and graduate school planning services, in addition to coordinating student employment, internships, and mentorships. Students participate in 5,800+ career-coaching opportunities and 10,000+ students and alumni program attendees, and 1,000+ organizations participate in our career fairs. The Career and Professional Development Center also provides informational workshops on résumé writing and interviewing techniques to help you land your dream job when you graduate.

A world-class city
Pittsburgh has evolved from a steel town to an internationally recognized city known for its research and industry, medical facilities, corporate headquarters, cultural community, and professional sports teams.

As a student in Pittsburgh, you can explore internship and mentorship opportunities in both the corporate and nonprofit sectors. You can sample courses through cross-registration with nine other institutions in the Pittsburgh Council of Higher Education and experience the arts in the Cultural District.

Carnegie Mellon’s campus borders the residential, educational, and shopping neighborhoods of Oakland, Shadyside, and Squirrel Hill. Within walking distance of campus are coffee shops, restaurants, movie theaters, boutiques, and galleries. Also close by are places of worship for many different religions, as well as opportunities to get involved in community service.

What else is there to do?
Outside the classroom there are hundreds of ways to take a study break. You can get involved with a student organization; play varsity, club, or intramural sports; or attend a campus event.

Carnegie Mellon students work hard and play hard. They are involved in many sports, clubs, and organizations, as well as in the Pittsburgh community. Students embody the motto “My heart is in the work,” whether that work is painting “the Fence,” splitting the atom, or winning the game.

• 280+ campus organizations
• 18 NCAA Division III varsity sports (the Tartans) competing in the University Athletic Association
• 40+ club teams and intramural sports
• Four years of guaranteed campus housing (if you stay within the campus housing system)
• 66% of students living on campus, with 28 residential halls and apartments to choose from
• Flexible meal plans with options at various on- and off-campus locations
• An Interfaith Council providing educational programs, worship services, and social events for many religions and denominations

Pittsburgh fast facts
• 446 bridges in Pittsburgh
• 1.5 million Pittsburgh metro area population
• One of the safest cities in America
• World-class medical centers for health care and research
• Home to nine Fortune 500 companies
• View from Mount Washington voted the second-most beautiful place in America by USA Weekend
• Pittsburgh Pirates’ PNC Park rated best baseball park in the country by ESPN
• Home to 1,600+ technology firms
LAUNCH YOUR FUTURE AT NSU
By 2018 one in 20 global jobs will be in science, technology, engineering, or math—an estimated 2.8 million jobs in total. Get the experience you need to be a success in today’s booming STEM careers at Nova Southeastern University.

A major force in educational innovation, the College of Engineering and Computing at NSU provides educational programs of distinction to prepare students for leadership roles in information technology. The College’s strengths include a distinguished faculty, a cutting-edge curriculum, and a stellar national reputation in undergraduate and graduate programs. NSU serves the nation as a National Center of Academic Excellence in Information Assurance & Cyber Defense Education.

Located on two campuses, one at the entrance to Port Everglades with immediate access to the Atlantic Ocean and the other at NSU’s main campus in Fort Lauderdale, the Halmos College of Natural Sciences and Oceanography provides high-quality undergraduate and graduate education programs in a broad range of disciplines, including natural sciences, marine sciences, mathematics, biology (pre-medical, pre-health profession), and chemistry. Research is done by faculty and students in a number of areas, including coral reefs, physics, genomics, sharks, fisheries, biology, chemistry, and mathematics.

Get a competitive edge with premier programs

*Dual Admission Program*

With more than 30 options to choose from, you have the ability to reserve a seat in one of NSU’s graduate or professional programs while you earn your bachelor’s degree. In today’s competitive world, you can get a head start on the rest of your life.

*Razor’s Edge Scholarship Programs*

With six exciting tracks to choose from—including Global, Leadership, Research, Shark Cage, Shark Talent, and Shark Teach—this residential, cocurricular experience captures and broadens unique interests and talents. Students selected to participate in a Razor’s Edge track receive an annual renewable scholarship.

**Farquhar Honors College**

Do you seek a unique, thought-provoking, and engaging learning experience? If so, NSU’s Farquhar Honors College offers one-of-a-kind seminars and courses, faculty mentoring, opportunities for research, and a supportive community for students in all majors.

CARD #3927 ADDRESS Office of Undergraduate Admissions, 3301 College Avenue, Fort Lauderdale, FL 33314-7796 PHONE 800-338-4723 WEBSITE nova.edu/undergrad E-MAIL admissions@nova.edu

NSU is the first four-year institution in Florida to be designated a National Center of Academic Excellence in Information Assurance & Cyber Defense by the National Security Agency and the US Department of Homeland Security.

A-/B+ OVERALL CLASSROOM AVERAGE WITH A CHALLENGING CURRICULUM

50+ UNDERGRADUATE PROGRAMS

RECOGNIZED BY
THE CARNEGIE FOUNDATION FOR HIGH COMMUNITY ENGAGEMENT & RESEARCH ACTIVITY

120+ GRADUATE & PROFESSIONAL PROGRAMS AT NSU
Be the architect of your educational experience at Brown.

Brown University is a leading Ivy League institution with a distinctive undergraduate academic program, world-class faculty, and a tradition of innovative and rigorous multidisciplinary study. Students at Brown are distinguished by their academic excellence, self-direction, and collaborative style of learning. A commitment to diversity and intellectual freedom has remained a hallmark of the University since its establishment. Brown is the only major research university in the nation where undergraduates are the architects of their own course of study.

Brown’s unique Open Curriculum challenges students to define their own academic journey. Without distribution requirements, students have an unusual opportunity to pick their own courses and decide both how they will learn and how they will be evaluated for their work. Like students at other colleges, every undergraduate will eventually pursue a specific area of study (similar to a major; at Brown this is called a “concentration”) and will demonstrate excellence in writing. But at the same time, students at Brown have more opportunity to define their own education than students at any other American university. Students are excited by the prospect of exploring familiar and unfamiliar academic terrain, thereby testing their own intellectual limits.

More than 2,000 undergraduate courses support over 79 concentrations, many of them interdisciplinary. A wide variety of independent studies and student-initiated courses are also popular. Undergraduates may pursue a Bachelor of Arts (AB), Bachelor of Science (ScB), or a combined Bachelor of Arts and Bachelor of Science (AB/ScB) degree. Many of our departments also offer an optional Fifth-Year Master’s Program.

Students at Brown are distinguished by their academic excellence, self-direction, and collaborative style of learning. Brown faculty are deeply committed to teaching, preeminent in their fields, and leaders in advancing knowledge that has broad scholarly, theoretical, and practical applications. Virtually all faculty members teach undergraduate courses. Small seminars give first-year students an immediate opportunity for an intimate learning experience.

**Engineering**

The Brown undergraduate Engineering program, established in 1847, is the oldest in the Ivy League and the third-oldest civilian program in the nation. In 2010 the program was transformed into the Brown University School of Engineering. This change in status represents a commitment to the expansion and growth of our faculty and facilities, as well as our goal of making significant contributions to the science and technology challenges our society faces.

The School continues in the Brown tradition, unusual among its peers, of making unique connections between the various engineering disciplines as well as other fields, including biology, chemistry, computer science, the humanities, medicine, physics, and the social sciences.

The undergraduate program is based on a common core of subjects that all Engineering concentrators follow during their first two years. In the first year, students conduct calculation-based design projects, giving prospective engineers a sense of the discipline while providing them with the scientific fundamentals needed for future study. In the second year, students typically take courses in other areas of engineering, such as materials science, thermodynamics, electricity, and magnetism. In addition to providing a solid understanding of these important engineering areas, these courses are designed to expose students to a broad range of engineering disciplines to provide a strong background for choosing a specialization near the end of the second year.

We offer ABET-accredited ScB concentrations in Biomedical Engineering, Chemical and Biochemical Engineering, Computer Engineering, Electrical Engineering, Materials Engineering, and Mechanical Engineering.

In addition, students may pursue other Engineering ScB programs such as Engineering and Physics, Environmental, or an independent ScB degree. Graduates of the Brown University School of Engineering have exceptional placement rates: 42% industry, 29% engineering graduate school, 8% finance/consulting, 4% business/law/medical school, and 17% pursuing other endeavors.

**Computer Science**

Since its inception in 1979, the Computer Science Department at Brown has forged a path of innovative information technology research and teaching at both the undergraduate and graduate levels. From modest beginnings as an interest group within the Divisions of Applied Mathematics and Engineering in the 1960s to its current stature as one of the nation’s leading computer science programs (as ranked by the National Research Council), the Computer Science Department has continuously produced
The undergraduate program is designed to combine educational breadth in practical and theoretical computer science with deeper understanding of specialized areas such as analysis of algorithms, artificial intelligence, computer graphics, computer security, computer systems, and theory of computation. Undergraduates often take at least one semester of faculty-supervised independent study, working either on a project of their choice or as members of a team on a faculty-sponsored research project.

In addition to many other state-of-the-art facilities, our undergraduates have access to multiple parallel high-performance computer clusters and an Immersive Virtual Reality Cave, which are used for research and teaching. In 2011 the Computer Science Robotics Lab acquired the Willow Garage PR2, one of about a dozen of the latest generation of personal robots to be made available to colleges and companies worldwide.

Faculty-student collaborators
Renowned for the quality of its teaching, Brown’s faculty welcome undergraduate students as collaborators in research labs and in the field. Together they make important contributions to the world through research and writing.

Among the many bright stars on Brown’s faculty:
- James Head III, a geological sciences professor, has worked with a Brown research team in a project funded by NASA to discover evidence that melting glaciers spawned rivers on Mars. This development will allow Brown planetary scientists to now explore similar conditions on Earth.
- Professor J. Michael Kosterlitz is Brown’s newest Nobel Laureate. His pioneering work with David Thouless of the University of Washington led to the theory of phase transitions, known as the K-T transition, and has informed the understanding of a range of exotic materials, including topological insulators—materials that conduct electricity on their surfaces but act as insulators in their bulk. Materials like this could one day form the backbone of next-generation electronic devices and quantum computers. Unlike what often happens at other top research universities, Professor Kosterlitz remains a mentor and familiar figure in the classroom for undergraduates who take his statistical mechanics course.
- Amy Greenwald is a computer scientist and winner of the prestigious PECASE Award from the National Science Foundation for her research on how automated software agents can make decisions in uncertain environments.
- Greg Tucker, professor of physics, was named among the world’s most highly cited researchers for 2014. Professor Tucker’s observational cosmology group studies the early universe by measuring the cosmic microwave background (CMB) and looking at the very earliest galaxies to have formed in the universe.
- Brown University makes available a variety of fellowships, grants, and independent studies through which undergraduates can work side by side with faculty members and graduate students exploring the frontiers of knowledge. These experiences are supported by internal University funds and generous grants from external donors. A $1 million grant from the Howard Hughes Medical Institute allows second- and third-year undergraduates to conduct intensive biomedical research in the University’s laboratories.

Some examples of research conducted by Brown undergraduates:
- Brown’s student-run team won gold at the International Genetically Engineered Machines (iGEM) Competition for their project manipulating E. coli to cause it to glow bright green in the presence of lead.
- A rising sophomore doing summer research analyzed samples of lunar soil collected during the Apollo 17 mission. His discovery of crystals indicating an abundance of water within the moon’s interior led to publication as a second author in the journal Science.
- A sophomore researcher investigated the synthesis and characterization of iron-doped and undoped carbon nanofibers. His samples are being tested for toxicity as part of a research project investigating the health effects of carbon nanomaterials.

Admission and financial aid
Applicants use the Common Application to apply to the undergraduate College as a whole rather than to the School of Engineering or any science department. On-campus housing is guaranteed for all four years. If you still have questions, please contact us. We will happily connect you with faculty and administrators for more information.

Brown has a need-blind undergraduate admission policy for US citizens and permanent residents. Need-blind admission simply means that an applicant’s ability to pay for their education will not be a determining factor in the admission decision. Brown actively strives to create a socioeconomically diverse applicant pool and undergraduate student body.
Learning WITHOUT LIMITS
IT’S A TRINE THING

Trine University in Angola, Indiana, is a private, coeducational university that grants bachelor’s, master’s, and a doctorate degree at nine locations in three states for both traditional-aged students and adult learners. Trine provides practical engineering, education, business, health sciences, and liberal arts and sciences programs that focus on work-ready skills and leadership experience. Trine is nationally recognized for its programs in science and engineering. With a student-faculty ratio of 13:1, students benefit from personal attention and mentoring from Trine’s faculty members, who have real-life experience.

Students expand their horizons both in and out of the classroom through activities from clubs, athletics, and intramural sports to internships, research opportunities, and study abroad programs. Nearly all students (98.8%) find employment or are in graduate school within six months of graduation.

At Trine, the fastest-growing private college in Indiana, growth and change continue on campus. The Jim and Joan Bock Center for Innovation is home to Trine’s Innovation One (i1), an incubator for technology and business to help spur economic development in the region, and laboratories stocked with state-of-the-art equipment to support i1 and the Allen School of Engineering and Technology. The new Reiners Residence Hall features two-bedroom units with private baths, air conditioning, and a common living space and kitchen. The Thunder Ice Arena will provide a home to Trine’s new hockey teams beginning in 2017, and the new MTI Center will include a fitness center and six-lane bowling alley.

The T. Furth Center for Performing Arts, which houses Trine’s music program, provides a prominent place for the arts in the lives of residents and students.

A theater, fitness center, book store, Whitney Commons dining hall, and Trine’s WEAX radio station keep the atmosphere lively at the Rick L. and Vicki L. James University Center. Student apartment buildings offer private suites and baths; recreation areas and lounges feature fireplaces and big-screen TVs. Campus-wide technology upgrades include an expanded fiber-optic network within a wireless environment and shared multimedia access for teaching (smart) classrooms. The Keith E. Busse/Steel Dynamics Inc. Athletic and Recreation Center boasts a 200-meter indoor track and tennis courts. Shive Field features

Trine Choices for You

Engineering & Technology Programs
• Aeronautical Engineering (minor)
• Biomedical Engineering
• Bioprocess Engineering (minor)
• Chemical Engineering
• Civil Engineering (Bachelor of Science)
• Computer Engineering
• Design Engineering Technology
• Electrical Engineering
• Energy Engineering (minor)
• Entrepreneurship (minor)
• Environmental Engineering (minor)
• Mechanical Engineering
• Metallurgical Engineering (minor)
• Robotics (minor)
• Software Engineering

Trine’s programs in Chemical, Civil, Electrical, Mechanical, Software, and Computer Engineering are accredited by the Engineering Accreditation Commission of ABET (abet.org).

Science & Math Programs
• Biochemistry
• Biology
• Chemistry
• Forensic Science
• Informatics
• Mathematics
• Psychology

Pre-medical Professional Track
Pre-physical Therapy Professional Track
Pre-physician Assistant Studies Track
artificial turf for football and lacrosse, while practice fields and sidewalks complete Thunder Sports Park. Trine opened the 2015 football season in the Fred Zollner Athletic Stadium, with lights for night games and capacity for 5,000 fans.

Allen School of Engineering and Technology
Trine’s Engineering program underscores the essential skills for finding innovative solutions to complex problems. Trine’s ABET-accredited programs prepare students for rewarding careers in engineering by focusing on the technical, intellectual, and interpersonal skills needed by successful leaders in science and technology. Plus, the program is excellent preparation for a student’s registration as a professional engineer.

Trine’s Engineering faculty are active scholars who hold advanced degrees from institutions such as Princeton, Notre Dame, Michigan State, Virginia Polytechnic, and MIT. These instructors embrace the opportunity to help students thrive in small classes by working beside them and getting to know them as individuals.

Most students complete internships and research projects, gaining hands-on experience and job skills. As a result, Trine’s Engineering graduates enjoy some of the highest pre-graduation placement rates and entry-level salaries in the nation. Ninety-nine percent of Trine’s 2015 Engineering graduates found jobs in their fields or were enrolled in graduate school within six months of graduation.

Innovative programs
Trine’s rich history in engineering and technology extends to its strong math and science departments in the Jannen School of Arts and Sciences. Trine’s American Criminal Justice Association chapter annually garners national awards.

Accredited by the Association of Collegiate Business Schools and Programs, Trine’s Ketner School of Business also offers unique courses of study, including a Golf Management major through its 18-hole Zollner Golf Course. Newly reopened in 2015, Ford Hall is now home to the most state-of-the-art, updated classrooms and learning labs. Designed for the 21st-century business professional, this $6 million renovated building is the new home to the Ketner School of Business.

The Franks School of Education prepares bachelor’s degree candidates for careers in Elementary, Secondary, and Special Education through programs accredited by the Council for the Accreditation of Educator Preparation. Trine has recently added the Rinker-Ross School of Health Sciences, which offers Exercise Science, Physician Assistant (to launch in 2018), and Pre-physical Therapy programs. For information about graduate options, visit trine.edu/dpt. The School of Professional Studies, with nine campuses in Indiana, Michigan, and Arizona, grants associate, bachelor’s, and master’s degrees in 35 areas of study. SPS offers online classes along with seated classes geared to working adults’ schedules.

Trine University
At A Glance
Location: Athletic, residential, and dining establishments are within close proximity to Trine’s lovely 400-acre campus.
Enrollment: 4,500 students
Student-Faculty Ratio: 13:1
Academic Divisions:
- Allen School of Engineering & Technology
- Franks School of Education
- Jannen School of Arts & Sciences
- Ketner School of Business
- Rinker-Ross School of Health Sciences
- School of Professional Studies
Placement Rate: Trine students are national leaders in finding work in their majors after graduation, and starting salaries are above average for many. Almost 99% of graduates find work or enroll in graduate school within six months.
Internships: Many students participate in at least one off-campus internship and gain valuable work experience, professional skills, and perspective in their chosen fields. Trine students have completed internships with companies such as Abbott Labs, AOL Inc., BAE/ LOCKheed Martin, Boeing, Caterpillar, Coca-Cola, DuPont, GE Aviation, NASA, Naval Facilities Engineering, Sprint, and Swales Aerospace.
Athletics: Trine’s 21 varsity teams compete in the NCAA Division III Michigan Intercollegiate Athletic Association. The University will add men’s and women’s hockey in fall 2017. Many students participate in intramural sports, and Trine’s own Zollner Golf Course, an 18-hole course that served as the site of the 2012 NCAA Division III women’s championships, is available to all students.
Innovative academic programs
Few universities offer RIT’s variety of specialized, career-oriented programs. RIT’s nine colleges offer a broad array of more than 80 bachelor’s degree programs that attract scientists, engineers, entrepreneurs, and computer scientists on the one hand and designers, artists, photographers, and filmmakers on the other. You may choose from more than 90 different minors to develop personal and professional interests that complement your academic program.

Experience that makes a difference
RIT is a world leader in experiential learning. Every academic program at RIT offers some form of experiential education opportunity designed to enrich the learning experience by providing you the opportunity to apply what you are learning in the lab, classroom, or studio to real-world problems, projects, and settings. Experiential education takes many forms, including cooperative education, internships, study abroad, undergraduate research, and industry-sponsored project work. Cooperative education (co-op) is the most extensive of RIT’s experiential education opportunities. Many academic programs require co-op, while others make it available on an optional basis. Taken all together, this means positive outcomes from your RIT experience.

Student body size and diversity
The RIT student body consists of approximately 15,400 undergraduate and 3,200 graduate students. Enrolled students represent all 50 states and more than 100 countries. Nearly 3,200 students from diverse racial and ethnic backgrounds are enrolled on the main campus along with approximately 2,700 international students. An additional 1,760 students are enrolled at RIT’s international campuses.

World leader in experiential learning
RIT has the fourth-oldest and one of the largest cooperative education programs in the world, annually placing more than 4,300 students in more than 5,700 co-op assignments with more than 2,200 employers across the United States and overseas and earning more than $45 million. Experiential learning also includes internships, study abroad, and undergraduate research.

Innovative academic programs
RIT’s nine colleges offer more than 80 undergraduate degrees that can be combined with more than 90 minors.

Personal attention
The student-faculty ratio is 13:1, and the average class size is 23. Nearly 90% of our classes have fewer than 40 students.

A vibrant student life
More than 300 student clubs and organizations sponsor more than 1,300 events and activities annually.

Outstanding outcomes
Trending career outcome data suggest the demand for RIT graduates remains very strong. Over the past three years, the overall outcome rate for graduates in all degree programs averaged 95%.

A wise investment
More than 77% of full-time undergraduates received more than $300 in financial aid.

World leader in educating deaf and hard-of-hearing students
The University provides unparalleled access and support services for the more than 1,200 deaf and hard-of-hearing students who live, study, and work with hearing students on the RIT campus.
**Colleges & Majors**

**COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY**
- School of Engineering Technology
  - Civil Engineering Technology
  - Computer Engineering Technology
  - Computer Engineering Technology - Audio Option
  - Telecommunications Option
  - Electrical Engineering Technology
  - Electrical Engineering Technology - Audio Option
  - Telecommunications Option
  - Electrical/Mechanical Engineering Technology
  - Environmental Sustainability, Health, and Safety
  - Manufacturing Engineering Technology
    - Mechanical Engineering Technology
    - Packaging Science
    - Undeclared Engineering Technology Option*

  - School of International Hospitality and Service Innovation
    - International Hospitality and Service Management

**SAUNDERS COLLEGE OF BUSINESS**
- Accounting
- Finance
- International Business
- Management
- Management Information Systems
- Marketing
- New Media Marketing
- Business Exploration Option*

**GOLISANO COLLEGE OF COMPUTING AND INFORMATION SCIENCES**
- Computer Science
- Computing and Information Technologies
- Computing Security
- Game Design and Development
- Human-Centered Computing
- New Media Interactive Development
- Software Engineering
- Web and Mobile Computing
- Computing Exploration Option*

**KATE GLEASON COLLEGE OF ENGINEERING**
- Biomedical Engineering
- Chemical Engineering
- Computer Engineering
- Electrical Engineering
- Electrical Engineering - Computer Engineering Option
- Energy Option
- Robotics Option
- Wireless Communications Option
- Industrial Engineering
- Industrial Engineering - Ergonomics Option
- Lean Six Sigma Option
- Manufacturing Option
- Supply Chain Management Option
- Mechanical Engineering
- Mechanical Engineering - Aerospace Option
- Automotive Option
- Bioengineering Option
- Energy and Environment Option
- Microelectronic Engineering
- Engineering Exploration Option*

**COLLEGE OF HEALTH SCIENCES AND TECHNOLOGY**
- Biomedical Sciences
- Diagnostic Medical Sonography (Ultrasound)
- Exercise Science
- Nutrition Management
- Physician Assistant (BS/MS)

**COLLEGE OF IMAGING ARTS AND SCIENCES SCHOOL OF ART**
- School of Art
  - Fine Arts Studio
  - Illustration
  - Medical Illustration
  - Undeclared Art Option*

- School of Design
  - 3D Digital Design
  - Graphic Design
  - Industrial Design
  - Interior Design
  - New Media Design
  - Undeclared Design Option*

- School for American Crafts
  - Ceramics
  - Furniture Design
  - Glass
  - Metals and Jewelry Design
  - Undeclared Crafts Option*

- School of Film and Animation
  - Film and Animation - Animation Option
  - Production Option
  - Motion Picture Science

- School of Media Sciences
  - Media Arts and Technology

- School of Photographic Arts and Sciences
  - Photographic and Imaging Arts
    - Advertising Photography Option
    - Fine Art Photography Option
    - Photojournalism Option
    - Visual Media Option
  - Photographic Sciences
    - Biomedical Photographic Communications Option
    - Imaging and Photographic Technology Option
  - Undeclared Photography Option*

**COLLEGE OF LIBERAL ARTS**
- Advertising and Public Relations
- Communication
- Criminal Justice
- Digital Humanities and Social Sciences
- Economics
- International and Global Studies
- Journalism
- Museum Studies
- Philosophy
- Political Science
- Psychology
- Public Policy
- Sociology and Anthropology
- Liberal Arts Exploration Option*

**NATIONAL TECHNICAL INSTITUTE FOR THE DEAF**
- Bachelor's Degree Program
  - ASL-English Interpretation

- Associate and Bachelor's Degree Programs
  - 3D Graphics Technology
  - Accounting Technology
  - Administrative Support Technology
  - Applied Computer Technology
  - Applied Liberal Arts
  - Applied Mechanical Technology
  - Business
  - Civil Technology
  - Hospitality and Service Management
  - Laboratory Science Technology

- Associate Degree-Career Focused Programs
  - 3D Graphics Technology
  - Accounting Technology
  - Administrative Support Technology
  - Applied Computer Technology
  - Business Technology
  - Computer Aided Drafting Technology
  - Computer Integrated Machining Technology
  - Design and Imaging Technology
  - Laboratory Science Technology
  - Mobile Application Development

**COLLEGE OF SCIENCE**
- Applied Mathematics
- Applied Statistics and Actuarial Science
- Biochemistry
- Bioinformatics
- Biology
- Biotechnology and Molecular Bioscience
- Chemistry
- Computational Mathematics
- Environmental Science
- Imaging Science
- Physics
- Science Exploration Option*

**SCHOOL OF INDIVIDUALIZED STUDY**
- Applied Arts and Sciences

**UNIVERSITY STUDIES**
- An undeclared option for students with interests in two or more colleges within RIT. Offers students up to one year to focus their academic and career interests.

* An exploratory option for students to determine which major best fits their interests.
As a nationally recognized research university and the state’s flagship institution, the University of Idaho draws upon its research strengths and facilities to offer innovative undergraduate, graduate, doctoral, and professional programs. Committed to student success and academic excellence, the University of Idaho leads in teaching and engaged learning and delivers one of the best educational values in the Pacific Northwest.

The University is one of only 72 national land-grant research universities founded to ensure all citizens have access to a high-quality education.

The main campus is located in Moscow, Idaho, with centers in Boise, Coeur d’Alene, and Idaho Falls.

Involvement
The Department of Student Involvement connects students to leadership opportunities in the official student body government (Associated Students University of Idaho, ASUI), socializing, learning, volunteerism, and social action. With more than 200 intramural sports and clubs, there are options for every interest, from the Environmental Club, Photo Club, and Engineers Without Borders to the Golden Key Honor Society, Native American Student Association, and Organización de Estudiantes Latino Americanos.

University of Idaho

Succeed with support
From tutoring and advising to counseling and peer mentoring, students have personalized academic, emotional, and social support to help them reach their fullest potential—in and outside the classroom.

Career help
The Career Center provides services and resources students need to explore options, get experience, and make connections with potential employers. Vandal Career Connection provides everything students need to kick-start their career: job and internship postings, workshops, job fairs, and even practice dinners to teach the art of dining etiquette.

Career advisors work with students to choose a major, polish their résumé, find internships, and navigate the job market.

Surrounding area
Just minutes away from the forests, rivers, and lakes of northern Idaho, the University of Idaho is surrounded by the rolling Palouse hills, an area so beautiful it was featured in National Geographic. For a taste of the city, Spokane, Washington, and Coeur d’Alene, Idaho, are just over an hour-and-a-half’s drive from Moscow.

Campus life
With a thriving residential campus, living is cost effective and provides an experience of a lifetime! Students develop socially and emotionally through interactions with diverse individuals. Walk to your classes and enjoy nationally recognized recreational opportunities, D-I athletics, and world-renowned performances and lectures.

Engineering
With more than 125 years of experience educating over 20,000 engineers, the College of Engineering delivers exceptional learning and research opportunities to students in a wide range of innovative fields, including Robotics, Cybersecurity, Microelectronics, Biomedical Tech-
are engaged in active learning of science and scientific principles.

Undergraduate research
The University fosters a dynamic and vibrant undergraduate research community. Opportunities are abundant and diverse. Many of our students are in the lab within the first semester of being on campus.

If you are motivated and have the drive and ambition to conduct formal research, capture and report on your findings, and work with your advisor, you’ll find many research opportunities on campus.

Science
The College of Science offers undergraduate and graduate study in the fields of Biology, Microbiology, Biochemistry, Molecular Biology, Chemistry, Geography, Geology, Mathematics, Statistics, and Physics.

Faculty include world-class researchers who do groundbreaking work, and students have the opportunity to share in that excitement. Whether in the laboratory, in field work, or in the classroom, students

- technology, Aerospace, Sustainability, and many more. Tomorrow’s engineering leaders are educated in the fundamentals through a rigorous mix of lectures, laboratory work, and innovative real-world team projects. The College’s accredited programs have been recognized by the National Academy of Engineers as one of the top in the nation for infusing real-world experiences into engineering design education. Notable graduates include mechanical engineer Tom Mueller, co-founder of SpaceX, the first privately funded organization to send a liquid-propellant rocket into orbit.

RANKINGS

- UI is #1 among four-year Idaho public institutions with a median salary of $84,800 per year for alumni in mid-career.
  - PayScale College Salary Report, 2015-2016

- UI Law School has been ranked #8 among the best value law schools in the US, based on percentage of grads who pass the Bar Exam, employment rate, tuition, and more.
  - PreLaw Magazine, 2016

- UI is the top “College That Pays You Back” among four-year Idaho public institutions, based on stellar academics, affordable tuition, and graduate career prospects.
  - The Princeton Review

- UI ranked in the top 50 schools in the West as having the “Best Bang for Your Buck.”
  - USA Today

- UI ranks above all four-year Idaho public institutions for graduation rate and average graduate salary, yet has lower tuition.
  - US Department of Education College Scorecard

- UI is on the Presidential Honor Roll for Community Service and is one of only five institutions in the Pacific Northwest awarded “With Distinction” status.

FAST FACTS

- Students from every state and 80 countries
- Student-faculty ratio: 16:1
- Location: Moscow, Idaho, with centers in Boise, Coeur d’Alene, and Idaho Falls
- Founded: 1889
- Total enrollment: 12,000
- Undergraduate majors: 85
- Research: $100 million annually (classified by Carnegie Foundation for higher research activity)
- Nationally acclaimed Honors Program
- Nickname: Vandals
- Mascot: Joe Vandal
- Colors: Silver and gold
- Entering freshman academic profile:
  - Average high school GPA: 3.4
  - Average ACT composite: 24
  - Average SAT combined: 1051
  - 51% men and 49% women
  - 36% first generation
  - 2.3% international

DIVISION I ATHLETICS

Men’s
- Basketball
- Cross-Country
- Football
- Golf
- Tennis
- Track & Field

Women’s
- Basketball
- Cross-Country
- Golf
- Soccer
- Swimming & Diving
- Tennis
- Track & Field
- Volleyball

SPORTS CLUBS

Participate in competition against other clubs in the region, from baseball and climbing to lacrosse, soccer, and water polo.

INTRAMURAL SPORTS

Compete or play recreational team sports with other students from across campus. Drawing 60–80 teams per season, the most popular sports include soccer, flag football, dodgeball, kickball, basketball, and Ultimate Frisbee.
We are committed to innovation and discovery. The “Facebook effect” is quite real at Harvard. With the creation of the Innovation Lab, the Experiment Fund for start-ups, new courses like How to Create Things and Have Them Matter, entrepreneurship competitions, and Harvard Hack Nights, the only thing you might find yourself in need of is more time.

We want to inspire all students. We’ve designed programs and courses that meet your needs, whatever your level. The program caters to those who dream about taking Math 55 their first year or those who just want to take a few cool courses like CS 50.

We educate leaders. What do SEAS alumni go on to do? Anything and everything. Danielle Feinberg ’96, a lead animator at Pixar, recalls: “The most valuable thing I learned at Harvard was how to find information on my own, because it was rarely handed to you. I also found that being around so many intelligent and motivated people inspired me to think very big about what I wanted to do in my own life.”
Admission and financial aid

All prospective undergraduate students apply to Harvard College. There is not a separate enrollment process for SEAS. Students declare their intended concentration (non-binding) during the sophomore year.

Some admission candidates will demonstrate extraordinary promise in academic or research endeavors. Some will show uncommon talent in other areas, such as leadership, performing arts, or athletics. Most of our students combine the best of both scholastic and extracurricular achievement. Personal qualities—integrity, maturity, strength of character, and concern for others—will also play an important part in our evaluations.

Applying for financial aid does not jeopardize any student’s chance for admission, including international applicants. All of Harvard’s financial aid is awarded on the basis of demonstrated financial need, and Harvard meets the demonstrated need of every student for all four years.

CARD #2618 ADDRESS Office of Admissions and Financial Aid, 86 Brattle Street, Cambridge, MA 02138 PHONE 617-495-1551 WEBSITE seas.harvard.edu E-MAIL college@fas.harvard.edu
Make a decision that will change your life for the better every day. Choose a university where your faculty will inspire you to take bold steps in learning. A place where you can be ambitious, intellectual, and active. Choose Bucknell University.

The benefits of a Bucknell education
When you study science or engineering at Bucknell, you’ll learn directly from faculty who are experts in topics ranging from robotics to autism, nanomechanics, environmental geosciences, primate behavior, and more. You’ll have opportunities to get involved in faculty research or conduct research of your own, use professional-grade instrumentation, design and build projects, or coauthor a published professional paper.

You’ll join a community of students, faculty, and alumni who solve problems, create solutions, and learn through hands-on experiences. You can combine your electives to match your interests and goals; you might even choose to pair your science or engineering studies with a second major in the arts, humanities, management, or social sciences.

All of your learning, in class and out, will give you the skills, knowledge, and flexibility of mind employers seek, and your hard work will pay off. The career placement rate for recent Bucknell graduates is consistently high: 96% of the Class of 2015 were employed, in graduate school, both employed and in graduate school, or volunteering within nine months of graduation. Bucknell is ranked #3 among best-value liberal arts colleges for alumni mid-career salaries. And our alumni include highly successful business leaders, researchers, physicians, entrepreneurs, educators, scholars, actors, engineers, authors, artists, and humanitarians.

Active student life
These big opportunities will take place in a close-knit atmosphere. With a 9:1 student-faculty ratio and 3,600 undergraduates, Bucknell gives you the chance to get to know your professors personally and form lifelong friendships with your classmates.

Nearly all undergraduates live on campus. Visiting scholars and speakers come to Bucknell almost every week to complement your learning and explore important issues in depth. You can participate in Division I athletics, intramural and club sports, a strong fraternity and sorority system, about 200 student-run clubs and organizations, and diverse religious life programs.

A beautiful campus, connected to the world
With its green spaces and striking vistas, Bucknell is a quintessential college environment in the heart of scenic central Pennsylvania. You’ll be able to walk to the shops and restaurants of historic downtown Lewisburg, including the Barnes & Noble at Bucknell University bookstore and the art deco Campus Theatre.

Learning happens off campus too. Students frequently perform service locally and as far away as Nicaragua and Uganda. They secure summer internships with nonprofit organizations and corporations. They study abroad through one of the University’s own programs or through more than 430 other approved programs worldwide. After they graduate, they live, work, volunteer, and study all over the world.

Within the surrounding region, you can kayak on the Susquehanna River, hike on the many trails in the area, or go for a bike ride on the rail trail just minutes from campus. When you’re feeling like some urban exposure, New York City; Baltimore; Washington, DC; Philadelphia; and Pittsburgh are all within a three- to four-hour drive. We run bus trips to selected cities too.

Applying for admission
When you apply for admission, we look at the whole picture your application represents. Among the many factors we consider are your intellectual ability, the quality of your high school preparation, your SAT or ACT scores, your special talents and contributions to your school and community, your writing skills, your recommendations, and your character.

To apply for admission, complete the Common Application at commonapp.org (deadlines: Early Decision I, November 15; Early Decision II, January 15; Regular Decision, January 15).
Cost and financial aid
For 2016–2017 Bucknell’s comprehensive fee is $64,616, including tuition, fees, standard room, and anytime-access meal plan. Keep in mind that the actual cost to you and your family will depend on your need, which we determine based on the information you provide when you apply for financial aid. If you think you might need financial assistance to attend Bucknell, apply for financial aid. It’s a separate process from admission. Apply using the CSS/PROFILE at student.collegeboard.com/profile and follow the admission application deadlines listed above.

About 52% of students receive scholarships and grants from the University, and about 62% receive financial aid of some form, including need-based scholarships, loans, work-study, and a limited number of merit scholarships. The average total financial aid package in the fall of 2016 for first-year students with financial need was about $35,500. The average student loan debt upon graduation is about $22,600.

We offer limited merit scholarships to students with exceptional academic records and talents. Awards include $20,000-per-year Presidential Fellowships, Dean’s Scholarships, math scholarships, B-WISE (women in science and engineering) Scholarships, and FIRST Robotics Scholarships.

CARD #1471 ADDRESS 1 Dent Drive, Lewisburg, PA 17847 PHONE 570-577-3000 WEBSITE bucknell.edu E-MAIL admissions@bucknell.edu
Embry-Riddle Aeronautical University offers the world’s most comprehensive collection of academic programs focused on engineering, aviation, aerospace, security and intelligence, and business. With the nation’s only College of Security and Intelligence devoted to the critical need for professionals, combined with some of the highest rankings for academics in engineering programs and alumni working at elite, high-tech organizations like SpaceX and NASA, if Embry-Riddle isn’t on your radar, it should be.

We’ve been recognized for a number of achievements. From a #1 ranking for an exceptional return on investment by PayScale.com, reflecting some of the highest starting salaries for Riddle grads, to our NSA designation as a National Center of Academic Excellence in Cyber Defense Education, our accolades are many. Plus, our campuses are home to some of the finest facilities in the world for use by our undergraduates, including wind tunnels, tens of thousands of feet of engineering labs, a large fleet of aircraft, and state-of-the-art technology across campus.

Alumni and outcomes
Embry-Riddle graduates are highly sought by companies like Boeing, SpaceX, and United Launch Alliance and organizations like the FBI, CIA, and NTSB. Students benefit from internships and co-ops with organizations that include NASA, Galaxy Aerospace, Honeywell, Lockheed Martin, and many more. Additionally, special hiring agreements with airlines put our grads on the fast track to pilot careers. The alumni network includes six astronauts and spans the globe with leaders in every facet of the industry. In fact, each year employers flock to the campuses for the annual Career Expo, where hiring managers seek the industry knowledge and passion they know they will find at Embry-Riddle.

Facilities and student engagement
The hands-on, competitive culture encourages students to push their abilities and enhance their skills to prepare for the working world. Students enjoy access to state-of-the-art facilities, including forensics labs, wind tunnels, rocket labs, robotics labs, meteorology and air traffic control labs, and the highly specialized equipment you won’t find at any other college, like the Suborbital Operations Science Lab, a space simulator capable of training astronauts for space exploration, a CRJ flight simulator, and the STEM Education Center and Planetarium, home to the newest major in Simulation Sci-
ence, Gaming, and Animation. Current and past Embry-Riddle students boast an enviable record of competitive success with projects. From the EcoCar Green Garage at the Daytona Beach Campus to the Eagle Works Advanced Vehicle Laboratory at the Prescott Campus, students can become involved in competitions that focus on green technology and land speed, while UAV competitions and Rocketry Challenges take competition to the skies and beyond.

Campuses
Two residential campuses—one in Prescott, Arizona, and one in Daytona Beach, Florida—offer an exceptional residential college experience, with competitive and recreational athletics; student clubs and organizations; Air Force, Army, and Navy ROTC opportunities; study abroad programs; and special events and speakers to keep you engaged and having fun while learning. Our Air Force ROTC Detachment is one of the top pilot producers among private universities and is one of the largest in the nation. Both campuses offer a mild climate, easy access to weekend recreational activities, flight training, and faculty with real-world experience and a shared love of science, technology, aviation, and space.

Admission
Embry-Riddle offers rolling admission, welcomes transfer and non-traditional students, and is a Veteran-Friendly participant in the Post 9/11 Yellow Ribbon Program. Institutional scholarships are available, and applicants are automatically reviewed for eligibility.

Daytona Beach Campus
Located just minutes from “The World’s Most Famous Beach,” the 185-acre campus is an hour’s drive from Kennedy Space Center and Orlando’s attractions. Among the state-of-the-art labs on this campus, you’ll find the largest research telescope at a Florida university, the nation’s only space simulator, various flight training devices and fleet of aircraft, wind tunnels, UAV and robotics labs, and the John Mica Engineering and Aerospace Innovation Complex or MicaPlex, the University’s new research park. Year-round sun and a mild climate make this campus an ideal place to live and learn.

- 5,800 students, 500 of those graduate
- Air Force, Army, and Navy ROTC options
- Average class size: 26
- Student-faculty ratio: 14:1
- NCAA Division II with men’s and women’s basketball, cross-country, golf, lacrosse, rowing, soccer, tennis, and track & field; women’s softball and volleyball; men’s baseball and basketball; and co-ed cheerleading

Prescott Campus
Located in the mountains of Northern Arizona, the 539-acre campus features views of Arizona’s beautiful Bradshaw and Mingus Mountains and is a short drive from scenic Sedona, with easy access to the Grand Canyon, Phoenix, and Los Angeles. State-of-the-art labs include the nation’s only College of Security and Intelligence, a forensic science lab, advanced flight simulators, a nationally ranked observatory, a fleet of rotary and fixed-wing aircraft, and the newest addition to campus, the 52,000-sq. ft. STEM Education Center and Planetarium, featuring Robotics Labs, Engineering Design Studio, advanced computing and simulations labs, and more. With 300+ sunny days per year, this campus is another ideal place to live and learn.

- 2,400 students, 60 of those graduate
- Air Force and Army ROTC options
- Average class size: 25
- Student-faculty ratio: 16:1
- NAIA Division with men's and women's basketball, soccer, golf, and cross-country; men's wrestling; and women's softball and volleyball
Areas of study include:
• Civil Engineering
• Computer Engineering
• Computer Science
• Electrical Engineering
• Mechanical Engineering

Beginning their freshman year, students work on teams with juniors and seniors to build cars, moonbuggies, robots, and rockets. Teams raise money, devise the plans, and finally lead and execute the construction of large-scale projects. With close advising from professors, student teams take the helm on projects like these:
• Steel Bridge
• Firefighting Robot
• 3-D Driving Simulator
• Autonomous Quadcopter
• Mini Baja Vehicle
• ASME Moonbuggy
• SAE Formula Car
• And many more!

Pursue your passion
While students at the University of Evansville can choose from among more than 80 majors and 100+ areas of study, students will find some of the most progressive departments in the nation, especially when paired with a relatively small campus.

One of the best examples of this is UE’s College of Engineering and Computer Science. In this college, students gain real-world engineering experience by working one-on-one with professors and through hands-on projects.
In 2011 UE students not only competed at the ASCE National Concrete Canoe Competition, they also hosted the event—the smallest school ever invited to serve as the national competition host. In 2013 UE students won the Innovation Award at Nationals for their research into the strategic use of dimples on their canoe.

Study abroad and make a difference in the real world
Students in the College of Engineering and Computer Science have the opportunity to travel with other students and faculty to use what they have learned to help people in other countries. In the past students have traveled to countries like Mongolia and the Dominican Republic to help plan and build facilities, including a church, a sports complex, and a solar water heater.

Other options for study abroad include Harlaxton College, UE’s living learning center in Grantham, England. Harlaxton is the hallmark of a robust study abroad program that was recently ranked #1 in the country by BestCollegeReviews.org. Since Harlaxton is owned by UE, students’ financial aid and academic credits are transferrable, making it an affordable option as well as a practical one. Students can still stay on track to graduate in four years while also having a life-transforming experience abroad.

At Harlaxton students take advantage of four-day school weeks to travel on the long weekends. They can travel independently or join school-organized trips to London, Paris, and Ireland.

Many Engineering students can find it difficult to study abroad and still earn credits toward their degree, which can mean delaying graduation. The University of Evansville has made sure to develop curriculum and courses in the engineering field of study that students can take at Harlaxton, helping ensure on-time graduation.

Students graduate into success
The hands-on, real-world education that students at UE obtain is highly desirable to businesses all over the world. Graduates are consistently sought by top engineering firms like Bowen Engineering, MasterBrand, Toyota, and SABIC.

ASCE Concrete Canoe National Competition
UE is one of the only private schools to compete regularly in the ASCE Concrete Canoe National Competition. The competition requires Civil Engineering students to design and fabricate a concrete canoe big enough to accommodate four people. Students compete against other universities in a two-day competition, which includes men’s, women’s, and co-ed races, a student presentation, evaluation of the students’ design reports, and final product judging. The event challenges the students’ knowledge, creativity, and stamina while showcasing the versatility and durability of concrete as a building material.


Our history:
Founded in 1854; affiliated with the United Methodist Church

Our home:
Evansville is the third-largest city in Indiana, with a metro area population of approximately 300,000.

Our students:
• 2,495 total enrollment
• 43 states, 51 countries represented on campus
• Average class size: 18 students

Our strength:
Academically challenging liberal arts and sciences-based curriculum; consistently rated as a top midwestern university by U.S. News & World Report

Our outcomes:
94% of the Class of 2015 were employed or in graduate school within months of graduation. The median income for those employed was $47,500.

Find out more!
evansville.edu
812-488-2468
admission@evansville.edu
St. Mary's University is a nationally recognized master’s-level school that has been ranked among the top colleges in the West for best value and academic reputation by U.S. News & World Report. The Brookings Institution ranked St. Mary's University 17th among the nations’ four-year universities for its contribution to the financial success of its graduates at mid-career. The ranking places St. Mary’s as tied for “first” among all private and public institutions in Texas and in the same league as MIT, Stanford, and Rice.

St. Mary’s is the first Catholic university in Texas and the Southwest. With a diverse student population of nearly 4,000, St. Mary’s integrates the liberal arts with professional education and prepares graduates for exceptional leadership. Students study within the School of Science, Engineering, and Technology; the Greehey School of Business; and the School of Humanities and Social Sciences. There are numerous options for graduate-level studies, and St. Mary’s is home to San Antonio’s only law school.

A place where learning thrives
The School of Science, Engineering, and Technology (SET) provides a vibrant, challenging, and supportive environment that prepares the next generation of experienced researchers, skilled engineers, and scientists to become engaged citizens of the world. SET students are part of a community that is committed to their intellectual and social development. St. Mary’s award-winning professors are dedicated and caring teachers whose doors are always open. They are energetic researchers who mentor and work with students in well-equipped laboratories. They are involved in community outreach activities that give students an opportunity to participate and apply their STEM education in service to mankind. With the guidance of faculty, students craft their own success stories.

Faculty educate students to view problems not only as having only scientific solutions, but moral and ethical considerations as well. Students are made aware of the inter-relatedness of all disciplines and the importance of each. By integrating a liberal arts education that is grounded in the Marianist tradition with a comprehensive and balanced STEM curricula, St. Mary’s prepares students for success not only in their professional careers, but in all aspects of their lives.

The Honors Program offers an academically challenging and personally enriching course of study designed to cultivate critical analysis, clear oral and written expression, aesthetic awareness, and ethical judgment. Internships in the summer or during the semester give students a notable advantage as they prepare for their future careers. Students at St. Mary’s are encouraged to participate in undergraduate research. They conduct progressive research using critically emerging technology in fields such as bioengineering and biology.

A culture where serving others is celebrated
St. Mary’s promotes a campus culture of service and change in the community. Students who live on campus

San Antonio: The Place to Be
• Named one of America’s Coolest Cities (Forbes)
• Only city in Texas named a Globally Fluent Metro Area (Brookings Institute)
• The Nation’s Fourth-Fastest-Growing Metropolitan Area (Bloomberg Businessweek)
• Ranked #3 in the list of Friendliest Cities in the United States (Condé Nast Traveler)
• Top 10 list of the Best Cities for Job Seekers (NerdWallet)
• Ranked #3 in America’s New Tech Hot Spots (Forbes)
• Ranked #2 nationally in job gains in the financial services industry (Forbes)
• Top 10 Cities for Job Growth (Forbes)
become a part of more than just the campus community, as organizations offer academic, political, cultural, social, and community service activities. Students also participate in 80 University-sponsored clubs and organizations or in programs such as ROTC, the Ethics Bowl, and Coffee and Politics.

As a member of NCAA Division II, St. Mary’s offers exceptional team sport opportunities. With five national championships on the field and one in the classroom, the Rattlers are part of a long winning tradition and compete in 11 varsity-level sports.

**An inviting campus and ideal location**

With an average temperature of 68 degrees, San Antonio, the seventh-largest city in the United States, is consistently warm and an ideal location for outdoor recreation. Students will find professional sports, numerous art museums and galleries, concert venues, theater and dance groups, amusement parks, and malls and outlets. The nearby Hill Country has clear, cool rivers for tubing and rafting, and the Travel Channel ranks South Padre Island among the best spots for spring break. Come for a visit. Stay for four life-changing years.

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**ST. MARY'S UNIVERSITY**

**UNDERGRADUATE DEGREES**

**Greehey School of Business**
- Accounting
- Accounting and Data Analytics
- Entrepreneurial Studies
- Finance and Risk Management
- International Business
- Management
- Marketing

**Humanities and Social Sciences**
- Art Education
- Criminal Justice
- Criminology
- Forensic Science: Criminology

**Science, Engineering, and Technology**
- Biochemistry
- Biology
- Chemistry
- Forensic Science: Biology
- Forensic Science: Chemistry

**Economics**
- English
- English Language Arts
- Exercise and Sport Science
- History
- International and Global Studies
- Multinational Organization Studies
- Music
- Philosophy
- Political Science
- Psychology
- Sociology
- Spanish
- Teacher Education
- Theology

**Computer Science**
- Computer Information Systems
- Computer Science
- Computer Science/ Applications Systems
- Engineering
- Computer Engineering
- Electrical Engineering
- Engineering Management
- Engineering Science
- Industrial Engineering
- Mechanical Engineering
- Software Engineering
- Environmental Science
- Mathematics
- Physics
- Pre-Allied Health
- Pre-Dental
- Pre-Law
- Pre-Medical
- Pre-Nursing
- Pre-Pharmacy

**Numerous minors**

* In partnership with UTHSC-SA
Choosing a college is all about finding the right fit. And while many of those “fit” factors focus on finding the place where you feel most at home, another critical factor is determining which university you believe will do the best job in helping you get ready for life after school.

At Otterbein being ready means our students have a start on a great career path; they have the life skills, knowledge, and experience that will translate to success in work and in life; and, ultimately, they are prepared to lead lives of purpose. (You will, of course, have fun and make great friends too!)

Academic reputation matters. In fact, in a national survey* students like you all across the country said it was the most important factor in making their college choice.

So if you’ve ever asked yourself, “Does how I learn matter?” the answer is: yes. It does. And here’s why Otterbein students enjoy the smartest way to learn.

**It starts with your major...**

You’ll go in depth with your studies at Otterbein, guided by professors whose mission goes beyond just teaching. They’re invested in you and the individual you have the potential to become.

Otterbein’s enviable 11:1 student-faculty ratio makes “personal” the rule. Professors know your name at Otterbein. But they also know your goals, your talents, your weaknesses, and how to get you from where you are to where you need to be so you can succeed.

Dr. Halard Lescinsky, professor of Biology and Earth Science, says professors are passionate about what they do and always look for new opportunities to help their students learn. “Our department prides itself on being a learning community. Students and faculty work side-by-side, both in and out of the classroom. Whether it is in the lab, at the zoo, in the local stream, or even on a field course in Costa Rica or research in Panama, the faculty love to do science, and we are looking for engaged students to join us.”

Philip Kellogg, a Physics major, can attest to the importance of the personal attention he’s received. “The professors not only know your name but also know you as a person. They are always willing to help you with homework, applications, scheduling or any academic issues. Not only are they willing to help, they are actually around to do so.”

Cara Hardy, a Biochemistry and Molecular Biology major, has also been supported by faculty during her time at Otterbein. “Dr. John Tansey has helped me write research proposals to get funding and given me the opportunity to present my research at the American Society for Biochemistry and Molecular Biology annual meeting in Boston. He opens the door and lets you make the choice of whether or not you’ll walk in.”

That’s a major difference for your studies at Otterbein. It really is personal here.

Otterbein offers more than 70 majors and 40 minors, including a variety of science and technology majors such as Biochemistry and Molecular Biology, Zoo and Conservation Science, Equine Science, and Computer Science, as well as the new Systems Engineering program.

Launched in fall 2015, the Systems Engineering major combines the principles of mechanical, industrial, and electrical engineering. The program focuses on task-oriented team projects, which create truly engaging learning exercises where students consider all aspects of the problem as parts of a system and apply theory, economics, and practical and cultural experiences to find solutions.

**Next, Otterbein’s curriculum...**

Some schools call their curriculum the “general education” requirements. Otterbein’s academic curriculum is anything but general.

In fact, the American Association of Colleges and Universities, the nation’s authority on undergraduate education, has described Otterbein’s Integrative Studies curriculum as the model they wish other schools would follow.
Beth Rigel Daugherty, professor of English and one of Otterbein’s “Master Teachers,” described the pairing of your major course of study with your Integrative Studies (IS) curriculum as serving a critical function.

“You major keeps you from becoming dangerously superficial, whereas IS courses keep you from becoming dangerously narrow,” Daugherty said.

The entire purpose of Otterbein’s IS curriculum is to prepare you for a rapidly shifting marketplace and world.

It’s not enough anymore to be an expert at simply one thing. According to Wendy Sherman Heckler, Otterbein’s Associate Vice President for Academic Affairs and Dean of University Programs, to really be competitive and relevant, you have to know how it all works together.

“A truly well-rounded education is necessary in an age when students could change careers multiple times,” Sherman Heckler explained.

Gary Maul, Director of the new Systems Engineering program, agrees and says a liberal arts education will allow Otterbein Engineering students to stand out in the industry.

“You can’t solve problems in engineering today from one discipline,” Maul says. “At Otterbein we’ve created an approach to learning that will produce well-rounded graduates with a strong grasp of engineering fundamentals accompanied by a broad understanding of the complex nature of those problems.”

Finally, it’s the Otterbein experience...

Otterbein is nationally recognized for its expertise and commitment to hands-on learning—or our “Five Cardinal Experiences.” It comes down to making sure you have experiences in the field—applying what you’ve learned in the classroom or lab to real-world situations.

At Otterbein this kind of experiential learning is about much more than answering a phone so you can list an internship on a résumé or just visiting someplace exotic. Otterbein believes in connecting students to life-changing experiences that are as unique as each one of our 2,400 undergraduates.

These experiences might mean that you conduct research with your faculty mentor and professional researchers at Nationwide Children’s Hospital like Jacob Bowman when he was only a sophomore. Or it could be that you study elephant behavior at the Tucson Zoo like Matt Viett. Or it could mean that you gain professional insight as an intern at the BASF Corporation like Stephanie Grewuch. Or study sea anemones and crustaceans alongside an alumnus in Bermuda. Or perhaps spend a summer interning with one of the industrial supporters of Otterbein’s Systems Engineering program, such as Honda or Nestlé PTC.

Leading a life of purpose

What makes Otterbein the smartest way to learn?

It’s the way an Otterbein education prepares you for how things work in the real world. We’re not only an academic model; our graduates possess the experience, knowledge, and attributes that the nation’s employers say they most desire in new hires from college.**

Otterbein will prepare you to lead a life of purpose. You’ll graduate from Otterbein with more than a career—you’ll leave with a calling. When you join our model community, you’ll find Otterbein graduates are leaders in their professions and their communities who care about serving the common good. Our 25,181 alumni around the world are shining examples and are ready to mentor your next steps.

Ready to learn more? Hear from Otterbein students and take a virtual tour at otterbein.edu/cardinalinsider. You can call Admission at 614-823-1500 or plan your visit online at otterbein.edu/visit.
Seattle Pacific University students, faculty, and alumni are “engaging the culture and changing the world.” They’re building clean water filters for families in Guatemala, developing computer languages, pursuing legal careers to advocate for social justice, and creating nutrition programs for senior citizens. They’re bringing knowledge, skill, faith, and hope to communities across the globe.

Scholarship with a difference
SPU offers students a unique opportunity to live, learn, and work in one of the nation’s most technology-focused and exciting cities. Located only 10 minutes from downtown, Seattle Pacific has been designated one of U.S. News & World Report’s “Best National Universities” for 2017 and is also nationally ranked amongst engineering programs. Consistently, 90% or more of SPU’s Pre-med students are accepted to medical schools.

Students learn from experienced professors who know them by name in classes that average just 23 students. They even work alongside professors to publish original research. Our $28 million science facility, Eaton Hall, and a $5.4 million renovation of Otto Miller Hall have enhanced student learning in all of the sciences.

Our clear Christian commitment also brings depth to the classroom, linking academic competence with the formation of personal character. The University aims to help students graduate with a deep, thoughtful faith—and the desire for Christian leadership and service.

SPU engineers ready to serve, lead, and engage
Seattle Pacific is committed to the dry sciences, including computer science and engineering. SPU engineers have the know-how, the experience, the drive, and the support to make a positive difference in the world. In the Engineering program, students can focus on Electrical, Computer, Mechanical, or Appropriate and Sustainable Engineering.

The Computer Engineering, Electrical Engineering, and General Engineering programs at Seattle Pacific are accredited by the engineering Accreditation Commission of ABET. SPU also offers several engineering scholarships. Find out more at spu.edu/scholarships.

Get the inside scoop
SPU’s online story hub, etc, is more than a name—it’s SPU’s vision: to engage the culture and change the world. Serving as a bridge between the SPU community and high school and college students, etc tells the stories that make us uniquely SPU. Read it by visiting spu.edu/etc.

CARD #4524 ADDRESS Director of Undergraduate Admissions, 3307 Third Avenue W., Suite 115, Seattle, WA 98119-1997 PHONE 800-366-3344 WEBSITE spu.edu E-MAIL admissions@spu.edu

The Facts About SPU

Denominational affiliation: SPU is an independent university founded in 1891 by the Free Methodist Church of North America. Students and faculty represent more than 50 Christian denominations.

Location: SPU’s 43-acre campus is located in a residential neighborhood on the north slope of Queen Anne Hill, 10 minutes from downtown Seattle. SPU also owns and operates a wilderness campus and field station on Blakely Island and a seaside campus/retreat facility on Whidbey Island.

Total enrollment: 4,061
Well worth investigating
The very name of the College gives you a valuable clue about the caliber of our team of experts: the Henry C. Lee College of Criminal Justice and Forensic Sciences. One of the foremost experts in his field, Dr. Lee has worked on such high-profile cases as the O.J. Simpson murder trial, the JonBenét Ramsey case, and the investigation of Scott Peterson.

With Dr. Lee at the helm, it sets the bar very high for the rest of our faculty, but it’s a challenge they’re up to. In most cases our professors are either coming from years in the field or are still actively working in it. Because of this, they have the unique ability to not only impart knowledge but frame it with its real-world application.

A $9.4 million facility
The Henry C. Lee Institute is a new state-of-the-art center for forensic science and a go-to resource for law enforcement agencies around the globe. It incorporates working crime scene labs and high-tech visual displays and offers high-level, technologically based training for law enforcement officers, prosecutors, judges, teachers, and students. It also houses an extensive forensic archive.

Undergraduate degree programs in the Henry C. Lee College
• Criminal Justice (BS, AS)
• Forensic Science (BS)
• Fire Science (BS)
• Fire Protection Engineering (BS)
• Legal Studies (BS, AS)
• National Security Studies (BS)
• Paramedicine (BS, AS)
• Army Reserve Officers’ Training Corps (ROTC)

Engineering a career
The practice of engineering has changed dramatically over the past decade and continues to evolve. The Tagliatela College of Engineering reflects this paradigm shift through undergraduate and graduate programs that break the academic mold in their innovation and breadth of scope, preparing you for the 21st-century workplace.

In addition, the Robert E. Alvine Engineering Professional Effectiveness and Enrichment Program brings speakers to campus each year to impart professional insights and advice to the next generation of engineers.

Tagliatela College of Engineering majors
• Chemistry
• Computer Science
• Cyber Systems

Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- General Engineering
- Industrial and Systems Engineering
- Mechanical Engineering

Engineering students can take advantage of a special Living/Learning Community (LLC), mentored by a full-time faculty member, during their freshman year. The Engineering LLC allows students to live together on one floor of a residence hall, take similar courses, meet with faculty mentors throughout the year, and participate in special group activities both in the residence hall and off campus.

QUICK FACTS
• Location: West Haven, Connecticut
• Enrollment: 4,600 full-time undergraduates
• Financial Aid: 95% of students receiving some form of financial aid
• Student-Faculty Ratio: 16:1
• Average Class Size: 22 students
• Faculty: 270 full time, with 90% holding a PhD or other terminal degree in their field
• Colleges: Four distinct, career-enhancing colleges
• Programs of Study: More than 100 undergraduate and 30 graduate degree programs (including concentrations)
• Degrees Offered: Associate, bachelor’s, master’s, PhD; dual majors or major plus minor
• Campus Life: More than 170 student clubs and organizations
• Athletics: 16 NCAA Division II men’s and women’s sports teams

CARD #5326 ADDRESS Office of Admissions, 300 Boston Post Road, West Haven, CT 06516 PHONE 800-DIAL-UNH or 203-932-7319 WEBSITE newhaven.edu E-MAIL admissions@newhaven.edu
Excellent lab facilities in the sciences and engineering promote students working in small groups under faculty direction and supervision. Field studies and internships are integral parts of all science and engineering programs. Students may also plan to continue on in graduate study in a variety of fields at Quinnipiac: molecular and cell biology, business, law, health careers, education, communications, or medicine.

Quinnipiac’s Pre-medical Studies program gives you the background to meet the academic entrance requirements of professional schools, including chiropractic, dentistry, medicine, osteopathy, podiatry, and veterinary.

At Quinnipiac the Frank H. Netter MD School of Medicine is named for the noted surgeon and world’s most well-known medical illustrator. The School of Medicine is located on the North Haven campus and features a state-of-the-art building and facilities in a spectacular setting.

It is an education that works. In a survey of a recent Quinnipiac class taken six months after graduation, about 95% of respondents were either employed or in graduate school full time.

**Help beyond the classroom**

College-level academics can be demanding, but Quinnipiac is a learning community. The Learning Center provides full tutoring assistance in academic subjects as well as workshops to improve study skills, time management, and research techniques. Tutors...
Undecided about your major and select your path as you experience more areas. With more than 120 clubs and organizations, Quinnipiac brings together students with a variety of interests. Keep physically fit with a range of activities from intramural teams in more than 20 sports to fitness classes of all sorts. You can spend time in our expansive recreation center, weight and fitness rooms, and indoor track.

In an event-filled student calendar, we've hosted Jason Derulo, Everclear, hip-hop and rap groups, and jazz at its very best, as well as speakers such as Shark Tank's Daymond John, former President Jimmy Carter, and South African Archbishop Desmond Tutu.

Quinnipiac's Mount Carmel campus has academic, residential, and recreational facilities for all students. The nearby York Hill campus is home to the TD Bank Sports Center, a lodge-like student center, and apartment-style housing for juniors and seniors. Just four miles away, the North Haven campus Graduate Center has classrooms and state-of-the-art labs for the graduate and professional courses in Nursing, Physical Therapy, Occupational Therapy, Physician Assistant, Diagnostic Imaging, Radiologist Assistant, and Education, as well as the School of Medicine and the School of Law.

### Quinnipiac University Profile

**General:** Founded in 1929, co-ed, non-sectarian, offering 60 undergraduate and 24 graduate programs through the College of Arts and Sciences; the Schools of Business, Engineering, Communications, Education, Health Sciences, and Nursing; the School of Law; and the School of Medicine.

**Location:** An attractive New England campus on 600 acres in three settings, eight miles north of New Haven, 90 minutes from New York City, and two hours from Boston.

**Students:** 6,800 full-time undergraduates from 30 states and 30 countries; in all, 75% of freshmen come from out of state; 95% of freshmen live on campus.

**Faculty:** The student-faculty ratio is 16:1, and the average class size is 24.

**Computer Capability:** The entire campus, including residence halls, library, and classrooms, is part of the Quinnipiac wireless network. All incoming students are required to purchase or bring a laptop.

### Undergraduate Majors

**Business:** Accounting, Biomedical Marketing, Computer Information Systems, Entrepreneurship, Finance, International Business, Management, Marketing

**Engineering:** Civil, Industrial, Mechanical, and Software Engineering; Computer Science

**Communications:** Advertising; Communications/Media Studies; Film, Television, and Media Arts; Interactive Digital Design; Journalism; Public Relations

**Health Sciences and Nursing:** Athletic Training/Sports Medicine, Biomedical Science, Diagnostic Medical Sonography (3-year accelerated BS), Health Science Studies, Microbiology/Immunology, Nursing, Occupational Therapy (5-1/2-year MOT), Physical Therapy (6- or 7-year DPT), Physician Assistant (6-year BS/MHS), Radiologic Sciences (3-year accelerated BS)

**Arts and Sciences:** Behavioral Neuroscience, Biochemistry, Biology, Chemistry, Criminal Justice, Economics, English, Game Design and Development, Gerontology, History, Interdisciplinary Studies, Law in Society, Mathematics, Philosophy, Political Science, Psychology, Sociology, Spanish, Theater

**Education:** Elementary, Secondary (5-year BA/Master of Arts in Teaching)

And Remember...It's not always necessary to know what major you want when you apply to college. You can indicate that you're undecided about your major and select your path as you experience more areas and continue to develop your interests.

### Costs

- **2016-2017 tuition and fees:** $43,640; room and board—$15,170

### International Study Opportunities

Quinnipiac sponsors a study abroad program in Ireland and also sends students to a variety of countries, such as Australia, China, France, and Spain, for a semester of study or summer program.

### Financial Aid

With an average financial aid package of $26,262 per year, about 80% of our student body receives some form of aid. We offer merit scholarships based on previous academic work as well as need-based financial aid, for which the FAFSA is required.

### Admission

- About 24,000 students apply for admission each year. About 65% of all applicants are offered admission, and we enroll 1,900 freshmen.
- Given our rolling admission schedule, we recommend that you apply early in the fall semester. Get to know us personally through our fall and spring open house programs, weekday and Saturday information sessions, and weekday admission interviews, all of which include a student-guided campus tour. You can also chat with us online, file your application, view our campus video, and take our virtual tour.
At Ohio Northern University, we have a 93% job and graduate school placement rate. Our long-standing success is partly because we have excellent professors, partly because we have ambitious students, and partly because we’ve always been rooted in the future. Here you can get moving toward a career long before you graduate—and our alumni successes prove it.

The Getty College of Arts and Sciences
The Getty College of Arts and Sciences offers more than 50 academic programs that provide excellent preparation for careers, advanced training, or top graduate schools. In addition to superior programs in the arts and humanities, the College’s outstanding science programs attract more than 60% of the student body. All of the arts and sciences offer valuable opportunities for research and internships. Student achievement in the sciences has been recognized with a Fulbright award and 13 Goldwater Scholarships over the past 10 years.

The James F. Dicke College of Business Administration
The James F. Dicke College of Business Administration creates tomorrow’s leaders who are ethical, entrepreneurial, and engaged. The College is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International. This is the highest and most sought-after accreditation for business programs in higher education. The College offers five majors
and minors in Business Administration, Entrepreneurship, Finance, and International Business. Accounting majors can add a fifth year and earn a Master of Science in Accounting.

**The T.J. Smull College of Engineering**
The T.J. Smull College of Engineering offers engineering and computer science students the unique combination of a scientific and technically based major within the context of a liberal arts education. An optional five-year co-op program provides hands-on experience in research, development, or manufacturing; these experiences are integrated with classroom study, and participants earn a salary. Students participate in national competitions such as Baja SAE®, Micro Mouse, ASCE Concrete Canoe, and Robotic Football.

**The Raabe College of Pharmacy**
The Raabe College of Pharmacy has long been recognized as one of the premier colleges of pharmacy in the nation, producing graduates who have successful pharmacy practices and are active in local, state, and national health-related organizations. Students take professional pharmacy courses from day one in the 0-6 direct-admit program leading to the Doctor of Pharmacy.

**Student life and leadership opportunities**
With more than 200 clubs and organizations, students can easily make new friends and lasting memories while pursuing opportunities for leadership roles in the many activities available on campus. Students from all disciplines participate in performing and fine arts, professional organizations, multicultural groups, intramural and club sports, religious organizations, Greek life, residential life programs, and much more.

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**ACADEMIC PROGRAMS IN ENGINEERING AND SCIENCES**

- Applied Mathematics
- Biochemistry
- Biology
- Chemistry
- Civil Engineering
- Computer Engineering
- Computer Science
- Construction Management
- Electrical Engineering
- Engineering Education
- Engineering Exploratory
- Environmental and Field Biology
- Exercise Physiology
- Forensic Biology
- Manufacturing Technology
- Mathematics
- Mechanical Engineering
- Medical Laboratory Sciences
- Molecular Biology
- Nursing
- Pharmaceutical and Healthcare Business
- Pharmacy
- Physics
- Psychology
- Sociology
- Statistics
- Technology Education

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**VISIT US!**
There’s so much more to ONU—and Ada, Ohio. So come see our campus for yourself. The people you’ll meet—faculty members, admission counselors, athletic coaches—will help you understand for yourself how our firm foundation can launch you toward success.
Go ahead and dream. Test yourself with an excellent cooperative education. Wentworth Institute of Technology is a private coeducational college located in Boston, one of America’s most beautiful and historical cities. Wentworth enrolls more than 4,000 students and offers on-campus housing on its 31-acre, fully equipped campus.

Academics at Wentworth
When you join the Wentworth community, you can enjoy the benefits of small class sizes (approximately 20 students) and individual attention from a dedicated teaching faculty with professional industry experience. There are more than 60 on-campus laboratories and studios, which are an integral component of all majors at Wentworth, creating a hands-on learning environment. Wentworth is also one of the more affordable full-time baccalaureate options in Boston.

Cooperative education
Wentworth offers one of the most comprehensive cooperative education (co-op) programs in the United States. For 40 years Wentworth has been opening career doors and helping students gain professional, paid work experience. Co-op is an important feature of Wentworth’s career-focused education. Before graduation, all students are required to work for two semesters in a paid position directly related to their majors. Co-op provides valuable, practical experience, which serves students well in their search for employment after graduation.

Colleges of the Fenway
Wentworth is part of one of Boston’s largest academic collaborations, a consortium representing more than 12,000 students. Wentworth has partnerships with Emmanuel College, Simmons College, Massachusetts College of Art and Design, Wheelock College, and Massachusetts College of Pharmacy and Health Sciences. Students have cross-registration with other colleges, interlibrary loan privileges, and combined extracurricular activities such as orchestra, theater, and other social and athletic opportunities. All of the members of the consortium are a short walk apart.

Admission
Wentworth practices rolling admission, which means we review each application once all required materials are received. While there is not an official deadline to apply, some majors and on-campus housing fill up quickly, so we encourage you to apply early.

Applying is easy; simply go to our website at wit.edu/apply and complete the online application. In addition, the following documentation is required: a personal statement or essay, a letter of recommendation from a professor or other professional familiar with your academic abilities, your final official high school transcript, and official college transcripts from any institution of higher learning you have attended. If you are within a year of having graduated from high school, official scores of either the SAT or ACT must also be submitted.

Founded: 1904
Type of School: Private, coeducational
Student Body: Over 3,900 full-time undergraduate students
Majors:
- Applied Mathematics
- Architecture (concentrations in Adaptive Interventions, Emerging Technologies, or Urbanism)
- Biological Engineering
- Biomedical Engineering
- Business Management (optional concentrations in Entrepreneurship or Technology Project Management)
- Civil Engineering
- Computer Engineering
- Computer Information Systems
- Computer Networking
- Computer Science
- Construction Management (concentration in Facilities Management)
- Electrical Engineering
- Electromechanical Engineering
- Engineering (interdisciplinary)
- Industrial Design
- Interior Design
- Mechanical Engineering

Architecture is a four-year bachelor’s degree followed by the opportunity to apply to a one-year Master of Architecture (MArch) program. The MArch program is approved by the National Architectural Accreditation Board (NAAB), the Massachusetts Department of Higher Education (MDHE), and the New England Association of Schools and Colleges (NEASC).

Cooperative Education: Co-op is a requirement for all majors.

Campus Life: Co-ed, on-campus residence halls (rooms or suites) and apartments

Costs: Tuition: $31,840 per academic year; typical room and board: $13,530 per academic year

Sports and Activities: 17 Division III athletic teams; more than 45 student activities and chapter memberships in professional associations

Yellow Ribbon Program: Wentworth is a proud supporter of the Yellow Ribbon Program. Please visit wit.edu/yellowribbon for more information.
College of Architecture, Design, and Construction Management
Wentworth’s College of Architecture, Design, and Construction Management is deeply rooted in the tradition of design, construction, and technological innovation. These core values are woven throughout its departments. The degree programs seek to educate well-grounded professionals, equipping graduates with the skills and insights to make positive contributions to our environment.

- Architecture
  - Concentrations in Adaptive Interventions, Emerging Technologies, or Urbanism
- Construction Management
  - Concentration in Facilities Management
- Industrial Design
- Interior Design

College of Arts and Sciences
The College of Arts and Sciences serves Wentworth’s entire student body through its general education curriculum as well as specialized courses in the sciences, applied mathematics, humanities, and social sciences.

- Applied Mathematics
- Business Management
  - Optional concentrations in Entrepreneurship or Technology Project Management
- Computer Information Systems

College of Engineering and Technology
The College of Engineering and Technology offers degree programs rooted in Wentworth’s rich tradition of project-based experiential learning. The College strives to prepare its graduates for productive and challenging careers in private practice, industry, and government, while its programs provide a solid foundation for lifelong professional development.

- Biological Engineering
- Biomedical Engineering
- Civil Engineering
- Computer Engineering
- Computer Networking
- Computer Science
- Electrical Engineering
- Electromechanical Engineering
- Engineering—Interdisciplinary
- Mechanical Engineering
At the University of Dayton, there’s more to learning and growing than classes and textbooks. While your course work is essential, a lot of important learning happens in the real world.

Whether you jet across the globe to install water purification systems in Uganda, study business for a semester in China, or volunteer a few miles away at a local school, you’ll engage with the world. At the University of Dayton, we know you’ll become a key member of a community united by shared beliefs, inspired ideas, and, of course, Flyer basketball.

As a Catholic, Marianist institution, we aim to educate the whole person—creating a unique community of curious minds and compassionate hearts. We constantly use what we learn and apply it in our own backyard and around the world to make a difference in the lives of others. Through improving the world, we improve ourselves.

Making a difference starts right here at the University of Dayton. By working to improve ourselves, we create a better world for everyone.

Well, where do you want to go? It’s perfectly okay if you don’t know today. College is a remarkable journey of exploration and discovery, and we’re ready to be your guide.
MAJORS

SCIENCE
• Applied Mathematical Economics
• Biochemistry
• Biology
• Chemistry
• Computer Information Systems
• Computer Science
• Environmental Biology
• Environmental Geology
• Geology
• Mathematics
• Medicinal-Pharmaceutical Chemistry
• Physical Science
• Physics
• Physics—Computer Science
• Pre-dentistry
• Pre-medicine
• Psychology
• Discover Sciences

ENGINEERING
• Chemical Engineering
• Civil Engineering
• Computer Engineering
• Electrical Engineering
• Mechanical Engineering
• Discover Engineering

ENGINEERING TECHNOLOGY
• Electronic and Computer Engineering Technology
• Global Manufacturing Systems Engineering Technology
• Industrial Engineering Technology
• Mechanical Engineering Technology
• Discover Engineering Technology

HOW WILL YOU CHANGE THE WORLD?

We are a top 10 national Catholic research university.

When’s the game? Our Division I athletics offer thrills for athletes and spectators alike, and more than 60% of our students compete in intramurals.

If you’re one of those students who gets involved in every club, we wish you luck. More than 240 student clubs and organizations are offered.

With the Bachelor’s Plus Master’s program, you can earn two degrees at an accelerated pace—saving you time and money while positioning you for success.

Tuition covers 144 credit hours—so you can double-major or minor at no extra cost.

Put your knowledge into action. Through ETHOS (Engineers in Technical Humanitarian Opportunities of Service Learning), you can take what you’ve learned in the classroom and use it to create life-saving changes and opportunities in 20 countries around the globe.

We have a near-perfect 50:50 male-female ratio.

GE Aviation and Emerson both have research facilities right on campus, making it easy for you to gain hands-on experience.
NASHVILLE, TENNESSEE, offers a rich mosaic of cultures and recreational opportunities, as well as vibrant arts, business, health, and education sectors. Known as Music City USA, Nashville hosts thousands of concerts each year in every genre and is recognized as one of the top college cities in America. Nashville’s many personalities and striking natural beauty attract people from around the world.

Founded in 1873, Vanderbilt has a long history of academic excellence, a strong tradition of community, a dedication to research, and a commitment to diversity.

The University’s progressive financial aid policies assure that it is often cited as one of the country’s best values among national universities. Vanderbilt students engage in interdisciplinary academic pursuits that produce life-changing moments, intricate questions with complex solutions, and remarkable opportunities to make a difference. Known both for excellent academic programs and an outstanding quality of student life, Vanderbilt is consistently ranked among the top 20 universities in the country by U.S. News & World Report, and the School of Engineering is ranked as a top 40 undergraduate engineering program.

As an internationally renowned university with strong ties among its four undergraduate schools and six graduate schools, neighboring institutions, and the Nashville community, Vanderbilt offers students pursuing an engineering- or science-related field a high degree of specialization combined with an outstanding liberal arts foundation.

Vanderbilt students take full advantage of student life by immersing themselves in over 420 student organizations, a full range of study abroad programs, Division I athletics, and a variety of internship opportunities.

Academics

Vanderbilt students and faculty believe that great ideas require more than one school of thought. At Vanderbilt you can pursue undergraduate degrees in science and engineering while also fulfilling your passion for music, the humanities, the social sciences, or education and human development. This innovative approach to education transcends singular subject matter and fosters higher-level critical-thinking skills.

The College of Arts and Science offers majors in Biological Sciences, Chemistry, Neuroscience, and Physics, among others, all of which offer intimate classroom experiences, typically supplemented by practicum experiences and research opportunities.

Through Immersion Vanderbilt, students go beyond the classroom to integrate knowledge with experience. By pursuing their passions, students learn how to transform ideas into action, hone skills, and make a difference. Immersion experiences might involve a senior thesis, an internship, an experience abroad, a creative performance, a design project, or a research project.

Our 8:1 student-faculty ratio gives students access to faculty members of prominence across academic disciplines. Students enrolled in the School of Engineering will participate in a customizable first-year engineering course and multidisciplinary design project and have the opportunity to pursue honors programs, double majors, undergraduate research, overseas study, and service learning.

More than 90% of students who graduate from the School of Engineering and choose to enter the workforce have a job within six months.

Opportunity Vanderbilt: affordability and accessibility

Vanderbilt makes three important commitments to ensure that students from many different economic circumstances can enroll at Vanderbilt: the admission process is need-blind for US citizens and eligible non-citizens (financial circumstances are not considered in the admission decision), aid packages meet 100% of demonstrated financial need for all admitted students, and financial aid packages do not include loans. This initiative does not involve income bands or income cutoffs that limit eligibility.

Using a holistic application review process and these financial aid policies, Vanderbilt admits talented students from diverse backgrounds who challenge each other both inside and outside the classroom and together form a community of scholars.

Research

Undergraduates at Vanderbilt are involved in science and engineering research across disciplines such as Biomedical Engineering, Physics, Biological Sciences, Neuroscience, and Chemical Engineering at the Vanderbilt Medical Center and in research centers and institutes.

The addition of a state-of-the-art Engineering and Science Building in 2016 furthers research opportunities for undergraduates. A key part of the new building is a cross-disciplinary creative space called the Wond’ry, designed to encourage collaboration and innovation. Engineering students pursue a variety of internship opportunities and engage in a required capstone experience (Design Day) in which they collaborate with peers to
troubleshoot an engineering problem for global corporations and government entities, among others.

The School of Engineering, the College of Arts and Science, and the Vanderbilt University Medical Center are collectively involved in exploring the human body at nanoscale, developing new ways to control light using nanoscale optics, and working with nanoscience computation and modeling. Other projects range from model-integrated computing to environmental remediation, from disease detection to jet-powered artificial limbs, and from software engineering to microelectronics.

The Vanderbilt community

Your first year at Vanderbilt will be a chance to experience life on The Martha Rivers Ingram Commons. This living/learning community, based on the Oxford-Cambridge model, consists of 10 residence halls surrounding a main dining and student center. Faculty, including the Dean of The Ingram Commons and her family, live on The Ingram Commons, facilitating easy and meaningful interactions between students and professors.

Vanderbilt is located in the heart of Nashville, Tennessee, home to a diverse population of 1.7 million and marked by its unique blend of cosmopolitan flair and small-town charm. A thriving center of music, publishing, and metropolitan flair and small-town charm, Nashville is consistently ranked as one of America’s friendliest cities and was honored by Business Insider as one of “The 13 Hottest American Cities for 2016.”

Vanderbilt attracts students from across the country and around the world and sits on a 330-acre campus designed an arboretum. Our active campus life, stellar academics, and urban setting work to maintain a high retention rate, as 97% of first-year students return for sophomore year.
Tradition of progress

Staying on the forefront of education takes constant innovation. That’s why we expose students to a variety of disciplines, from arts to sociology to the sciences. We develop not only intellect but the well-rounded character needed to solve today’s challenging problems. And with a culture grounded in the Catholic values of service and respect for humanity, our students learn to live life with meaning and purpose. While conventional wisdom has advanced the world to where it is today, it’s the conviction to shape and reshape those conventions that will continue our progress into the future.

Academics

We believe a rewarding education should do more than just teach—it should facilitate learning. At Notre Dame you’ll develop powers of discernment that allow you to discover the right questions, not just the right answers. You’ll benefit from powerful resources and state-of-the-art research facilities—like our research-class telescope, a Digital Visualization Theater where you can explore the edge of the observable universe on a 50-foot-wide dome, or solar filters that allow for examination of the sun. It is this process of intellectual engagement that will help you find your true calling in life, then apply it to the world.

Catholic tradition

“I came here as a young man and dreamed of building a great university in honor of Our Lady, but I built it too small, and she had to burn it to the ground to make the point. So, tomorrow, as soon as the bricks cool, we will rebuild it, bigger and better than ever.” These are the words of Notre Dame founder Father Edward Sorin in 1879 after a fire had virtually burned down the entire University. These words echo the role of Catholicism at Notre Dame; rather than being a minuscule part of our experience, it should be built as a grand gesture of hope, reverence, and examination. We challenge students to search for unconventional answers and consider their wider role in the world. While our traditions are founded in Catholicism, we welcome all religions, beliefs, and ideas in the spirit of mutual respect. Discovering your faith is a personal experience, but at Notre Dame, you’ll never be alone in it.

Community

As a Catholic institution of research and scholarship, we believe in examining our faith, studies, and community from all angles. That’s why we embrace an atmosphere of diversity and inclusion that enriches all facets of the Notre Dame experience. Our 30 unique residence halls reflect this commitment to solidarity, showing how a diverse group of individuals can become one tight-knit community. Years after you leave Notre Dame, you’ll continue to draw upon the unique relationships and connections you’ve developed at Notre Dame. Whether it’s maintaining friendships with your freshman roommates or engaging in a conversation with a stranger wearing the Blue & Gold, you’ll be a Domer for the rest of your life.

Campus life

We understand to get the most out of your studies, you have to enjoy your life outside of them. That’s why our students participate in activities that bring the campus community together, like the annual Muddy Sunday volleyball game for charity or the
Hammes Notre Dame Bookstore Basketball Tournament, the largest outdoor five-on-five basketball tournament in the world. We encourage you to get out and experience all we have to offer, no matter your interests and passions. The experience and perspective you gain is as important to developing your character as the lessons you learn in the classroom.

Value
The value of a Notre Dame education isn’t determined by a challenging curriculum. It comes from giving students the intrepid spirit to make ethical decisions with conviction. In the First Year Studies program, you’ll explore a variety of topics and issues, giving you a better understanding of the world around you and the opportunity to choose the major that is right for you. And with 95% of our students graduating on time, the confidence we impart shows in both their character and performance. Notre Dame also has one of the widest and most influential alumni networks in the world. It’s one of the reasons that 98% of our graduates find career opportunities within six months of graduation. At Notre Dame we believe real value is four years of education that lasts a lifetime.

CARD #5353 ADDRESS Office of Undergraduate Admissions, 220 Main Building, University of Notre Dame, Notre Dame, IN 46556 PHONE 574-631-7505 WEBSITE admissions.nd.edu E-MAIL admissions@nd.edu

Fast Facts:

#1
Undergraduate Business School in the nation (4 of the last 5 years), based on Bloomberg Businessweek

TOP 20

100%
OF INCOMING FIRST-YEAR STUDENTS LIVE ON CAMPUS.

95%
NOTRE DAME’S GRADUATION RATE

98%
Retention rate between freshman and sophomore years—one of the nation’s highest

225,000
The number of volunteer hours contributed by Notre Dame students each year

IF YOU’RE INTERESTED IN BECOMING A PART OF THE NOTRE DAME COMMUNITY AND WOULD LIKE TO GET SOME MORE INFORMATION, VISIT OUR ADMISSION WEBSITE AT ADMISSIONS.ND.EDU.
Stanford is one of the world’s leading teaching and research universities. It is known for its innovative academics, rich diversity, entrepreneurial character, and relationship to Silicon Valley.

With areas of excellence ranging from the humanities to social sciences to engineering, Stanford is dedicated to finding solutions to big challenges and preparing students for leadership in a complex world.

**Academic freedom**

A Stanford undergraduate education is rigorous and defined by the inherent freedom and flexibility enjoyed by students as they delve into the subjects about which they are most passionate—forging meaningful relationships with their talented peers and lauded faculty along the way.

Grounded in the liberal arts, the Stanford curriculum is designed to achieve balance between depth of knowledge acquired through specialization and breadth of knowledge gained through exploration. It permits each student to plan an individual program of study that takes into account personal educational goals, prior experience, and future aims. And it is an education that broadens the student’s understanding and awareness in each of the major areas of human experience, significantly deepens understanding, and prepares him or her for a lifetime of continual learning.

Many students supplement this already robust education through high-level research, even as undergraduates. In fact, Stanford has more funding available for undergraduate research—more than $5 million per year—than most colleges or universities in the nation. Students usually write proposals (with advice from faculty sponsors) to have their projects funded, which can cover such expenses as travel and equipment and allows students to devote their full attention to their research.

**Diversity**

Stanford students and faculty come to campus from a vast range of backgrounds and all over the world. Undergraduates represent 50 states and 90 countries; approximately 15% are the first in their family to attend college, and about 50% are persons of color. But diversity at Stanford means more than geographic, racial, or ethnic differences. The Stanford community embraces a wide array of socioeconomic, religious, cultural, and educational experiences.

From the vibrant residential environment to intellectually charged classrooms to every corner of campus where students engage, diversity is celebrated. The Stanford community values a wide range of opinions, cultures, communities, perspectives, and experiences, all of which challenge a student’s own beliefs, intellectual passions, opinions, and understanding of the world. Members of the Stanford community believe the best education can develop only in a community that actively affirms both the differences among its members and the numerous points of connection.

**Entrepreneurial spirit**

Just down the road from campus is the global epicenter of high technology: Silicon Valley. From HP and Google to Netflix and Pandora, many of the most innovative enterprises in modern history were sparked by Stanford faculty, alumni, and students.

However, entrepreneurism at Stanford extends far beyond founding companies; Stanford’s entrepreneurial spirit is homegrown, organic, and pervasive. Students, faculty, and alumni generate transformative ideas and set them in motion.

One such idea incubator is the Haas Center for Public Service, which connects academic study with public service to strengthen communities and develop effective public leaders. Recognized as a national model for public service education, the Center encourages Stanford students to impact their community through service, scholarship, and community partnerships. More than a third of undergraduates participate in one or more Haas Center programs each year, from working with organic farmers through the on-campus Stanford Community Farm to helping children develop language and literacy skills in East Palo Alto’s public schools.
Another is the experience in learning known as “CS+X”—a joint major integrating computer science with the humanities launched in fall 2014. Its goal is to give Stanford students the chance to become both a new type of engineer and a new type of humanist.

Residential campus
Located in California’s intellectually dynamic and culturally diverse Bay Area, Stanford is a thriving residential campus and community sitting on 8,180 pastoral acres, once a horse farm belonging to Jane and Leland Stanford and still fondly referred to as “the Farm.” Today 60% of that land remains open space, including some 43,000 trees, three lakes, and rolling foothills that overlook the inner campus.

On the campus itself, designed by famed landscape architect Frederick Law Olmsted and bustling with bicycles, skateboards, rollerblades, motor scooters, and golf carts, you will find California Mission–inspired buildings of local sandstone with iconic red-tiled roofs and a cloistered quadrangle with Memorial Church as its focus.

More than 12,000 students live on these sprawling yet intimate grounds, surrounded by extraordinary campus resources and facilities. And with San Francisco only 35 miles to the north, San Jose 20 miles south, and Palo Alto right next door, students enjoy a region rich not only in opportunity but also in entertainment and other diversions.

Vibrant student life
With its culture of creativity and innovation, Stanford fosters an arts scene alive with both professional and student voices, from film archives to orchestral concerts to visiting Broadway legends. Not to mention a collection of visual arts pieces that spans 4,000 years.

For the student-athlete driven to excellence, Stanford fields 36 varsity teams and 26 club sports. Stanford has won the Directors’ Cup, which honors the most successful program in NCAA Division I sports, for the last 22 years. And for 40 years in a row, Stanford has won at least one national championship—the longest streak in the nation.

In addition to the offerings on campus, the Bing Overseas Studies Program (BOSP) is considered an integral part of Stanford’s curriculum. Approximately 50% of each graduating class studies abroad during their undergraduate career at Stanford, and BOSP operates a variety of programs—including international internships—at such locales as Beijing, Cape Town, Florence, Kyoto, Paris, and Santiago.

Financial aid
Stanford is committed to a need-blind admission policy for US citizens and eligible non-citizens and to providing a comprehensive financial aid program for all admitted students demonstrating need. In recent years about 85% of undergraduates received financial support from a variety of internal and external sources (financialaid.stanford.edu).
Four years of college can seem like a long time and paradoxically like no time at all, but your time at Reed will leave an imprint on you that will extend throughout your life; once a Reedie, always a Reedie. Exposure to the primary disciplines of human knowledge prepares graduates to go on to fascinating professions in science, art, medicine, global politics, education, and the environment. Reed ranks among the top undergraduate institutions in the nation in the percentage of graduates going on to earn PhDs in physics (ranked #3) and the life sciences (ranked #2).

Distinguished alumni include Wikipedia co-founder Larry Sanger ’91; neuroscientist Kenneth Koe ’45, inventor of Zoloft; environmental chemist and mountaineer Arlene Blum ’66; attorney William Hohengarten ’84, whose arguments persuaded the US Supreme Court to strike down Texas laws against sodomy; beat poet Gary Snyder ’51; best-selling author Barbara Ehrenreich ’63; and geneticist Pamela Ronald ’82, who developed a strain of drought-resistant rice. (Notable dropouts include Steve Jobs.)

The sciences at Reed
From field work and lab work to conferences and independent research, Reed’s science programs foster a rigorous academic environment of active learning and close collaboration with professors.

Reedie-driven inquiry, such as the independent research done during the senior thesis, often contributes to scientific literature. Of the 50 peer-reviewed publications by Reed’s Biology faculty members...
over the past decade, 60% include student co-authors.

Science majors are prepared for a variety of career paths, including in research and academia—Reed sends the third-most students to PhD programs of any institution of higher education in the nation.

What have Reed science majors gone on to do?

James Coddington '74, Biology
Chief Conservator at the Museum of Modern Art in New York

Katherine DeLand '95, Biochemistry and Molecular Biology
Chief of Staff of WHO’s Ebola Response

Kevin Shokat '86, Chemistry
Professor and Chair of Cellular and Molecular Pharmacology at UC San Francisco, Chemistry Professor at UC Berkeley

Elizabeth Robinson '82, Physics
CFO for NASA

Evan Peairs ’16 invented a musical instrument for his physics thesis by borrowing ideas from aerospace and structural engineering.

Spotlight: science outside of the classroom

Two Physics majors, Anya Demko ’14 and Allie Morgan ’14, used their scientific knowhow to create a temporary musical installation. Anya and Allie built a series of lasers and phototransistors on a spiral staircase on campus, turning the steps into a giant, twisting keyboard spanning two octaves on a C Major scale. Each time your foot landed on a tread, it interrupted a laser beam, triggering a musical tone. Anya wrote her thesis on the dynamics of an inverted pendulum, and Allie wrote her thesis on relativistic strings and Ehrenfest’s Paradox.

Sample Reed Theses

• “A Tale of Two Proteins: Towards Cloning, Expression, and Purification of the bHLHZip domains of MondoA and Mix”
• “Action of cytoskeletal crosslinking proteins in nuclear positioning and migration”
• “Keep Talkin’ Happy Talk: Civil Rights on Broadway in the Late 1940s”
• “Intersections of Global Capitalism and Indigeneity: Problems of International Environmental and Social Justice”
• “Roots and Wings: Reconstructing the Past in Two American Danza Azteca Groups”
• “SUSPENDING THE PLOT OF THE REAL: Narratives of Collective Action in Chicana/o Literature and History”
• “Maintaining a Terrifying Reality: Dialogue, Language, and Ethics in the Book of Job”
• “Islam on the Inside: An Ethnographic Case Study of Muslims in an Oregon Prison”
• “Language Revitalization and Its Sociocultural Context: Chinook Jargon”
• “Non-Kinship Social Bonds in Resident Killer Whales (Orcinus Orca)”
• “The Dynamics of a Nonlinear Time-Delayed Electronic System”

REED COLLEGE

• Student body: 1,430
• Percentage of students from outside the Pacific Northwest: 87%
• Student-faculty ratio: 9:1
• Average class size: 15
• The College offers a Bachelor of Arts degree in 26 departmental majors, 13 interdisciplinary areas, and dual-degree (3-2) programs in Engineering, Computer Science, Forestry, and Visual Arts.
• Among liberal arts colleges, Reed ranks fourth in the nation in production of future PhDs in all disciplines. Among all institutions of higher learning, it ranks third (#3) in the nation in life sciences and third (#3) in the nation in social sciences (Higher Education Data Consortium, 2010).
• Graduate schools most frequently attended by Reed alumni for law, medicine, business, and other graduate study include the Universities of Chicago, California, Oregon, and Washington; Yale; Harvard; Stanford; Cornell; MIT; and Johns Hopkins.
• Reed has produced the second-highest number of Rhodes Scholars from a small college (32).
Grove City College: Higher education with a higher purpose

Grove City College offers a rich academic experience at an amazing value in a Christian community of learners. It’s a great choice for students who are trying to find their place, looking for a rewarding academic challenge, or seeking deeper meaning in their college experience.

At Grove City College, students grow intellectually and spiritually under a unique curriculum that aims to both educate and enlighten young people as they determine their professional and personal calling. The College is more than just a school; it’s a community dedicated to faith and learning that cares about and challenges students to excel in the classroom and the world at large.

We provide students the knowledge and skills they’ll need to compete in the marketplace and a strong spiritual foundation that will enable them not only to do well but to do good. While the quality of education at Grove City College is unsurpassed, the price tag is most decidedly not. Tuition is less than half the cost of competitive private liberal arts colleges, and the College offers a variety of financial aid options.

A rich academic tradition

Established in 1876, Grove City College quickly became one of the region’s leading institutions of higher learning and a staunch defender of academic freedom.

Its faculty and alumni contributed to the development of commercial radio and radar and worked on the space program, as well as advancing the study of economics, theology, the social sciences, health, medicine, and philosophy. The College has long championed the Western intellectual tradition, free market economics, and an independent spirit.

Our science and engineering programs are among the best available, and the College’s commitment to advancing scholarship in those fields is demonstrated by new, state-of-the-art science, technology, engineering, and mathematics facilities. Students at Grove City do real-world research and learn to formulate practical solutions in campus labs and have access to a wide range of internship opportunities in private industry, government agencies, and leading research institutions.

Our extraordinary faculty are dedicated to educating hearts and minds. They are teachers, mentors, and friends to students ready to be challenged and informed. Grove City College is a place where high academic standards produce outstanding outcomes for graduates well prepared to pursue their life’s calling. It’s a transformational experience in more ways than you can imagine.

Grove City College is one of the “Smartest Liberal Arts Colleges in America,” according to Business Insider, and the College’s academic quality is a key reason it is consistently listed as one of the nation’s best colleges by The Princeton Review, U.S. News & World Report, Forbes, and others. The College offers 60 programs of study and recently added three new Biology majors and five new minors, including Medical Physics, Robotics, and Computer Game Design and Development.

An amazing value

In an era where students routinely rack up tens of thousands of dollars in debt to secure a degree, Grove City College’s goal is to keep higher education affordable while maintaining ac-
adecancy excellence in a
Christ-centered commu-
ty. Tuition is less than half
the cost of the national average
of other private liberal arts colleges
and the lowest of all of Pennsylva-
nia’s private colleges and universities.

We keep tuition low by practicing
the fiscal discipline we preach. Grove
City College operates on a very tight
budget with very little debt. We don’t
follow the lead of other colleges by
offering tuition discounts to some
students while forcing other students
to subsidize those incentives. As a
matter of principle, we do not ac-
cept federal funds, including student
loans. That independence means
we don’t spend money complying
with government regulations and are
able to dedicate more resources to
in-house financial aid and providing
access to private loans.

Grove City College is ranked as a
top “College That Pays You Back” by
The Princeton Review and is one of
PayScale’s top 10 “Best Value Liberal
Arts Schools” based on a great return
on investment.

60 solid programs of study
Choosing your major shouldn’t just be a question of how much money you
are going to make when you graduate but how you impact those around
you, both in college and in the years to come. The course selection at Grove
City College will provide you with a liberal arts and professional education
of the highest degree.

Over 150 clubs and organizations
Athletics and club sports; committees; honoraries; music, professional,
aademic, religious, service, and special-interest groups; publications; and
fraternities and sororities—all led by students and supported by faculty and
staff advisors.

GROVE CITY COLLEGE PROFILE
• Founded: 1876
• Annual Costs (2016-2017): All degrees,
including room and board, tuition, a tablet PC,
and printer/scanner/copier: $25,692
• Full-Time Enrollment: 2,396 students
representing 42 states, 14 countries, and 27
Christian denominations; 50% men, 50%
women
• Location: 60 miles north of Pittsburgh on a
beautifully landscaped, 180-acre estate-like
campus with Neo-Gothic architecture in Grove
City, Pennsylvania
• Student-Faculty Ratio: 13:1
• Academic Programs: 60 programs in the
liberal arts and sciences
• Degrees Offered: BA, BS, BMus, BSEE, BBusiness
• Extracurricular Activities: More than 150
organizations and clubs, 12 club sports, 21
NCAA Division III sports, college
ministries, theater, music, and more
• Freshman Profile: Middle 50% test score
ranges for enrolled students: 25-30 ACT
and 1135-1350 SAT (combining only Critical
Reading and Math); average high school GPA:
3.76

Distinguishing Facts
• Education majors have a 99% pass rate on the
Praxis examination.
• Graduates see an acceptance rate to medical
schools and professional medicine schools
that's 20%-25% higher than the national
average.
• In order to preserve and protect its
independence and remain true to its mission
to instill Christian truth and values and an
appreciation of a free market economy, the
College refuses all federal funding.
• Grove City maintains one of the lowest tuitions
of a high-quality independent college.
• There were 214 on-campus visits by
companies to recruit Grove City College

How We Rank
• America’s Top Colleges, Forbes
• Best National Liberal Arts College, U.S. News & World Report
• Best Undergraduate Engineering Programs,
U.S. News & World Report
• Top 10 “Best Value” national liberal arts
college, PayScale
• The Best 379 Colleges, The Princeton Review
• Smartest Liberal Arts Colleges in America,
Business Insider
• Christian College of Distinction

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sions, 100 Campus Drive, Grove City, PA
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gcc.edu
Improve your world
Widely recognized as America’s top-ranked environmental college, ESF is a small and selective campus of the State University of New York (SUNY).

We offer more than 50 undergraduate and graduate degree programs focused on sustainability and the science, design, engineering, and management of our environment and natural resources.

We discover real-world solutions to today’s environmental problems and educate tomorrow’s environmental leaders. Join us and improve your world.

Real-world learning
ESF is a doctoral degree (PhD)—granting institution, and that tells you a lot about the academic quality you’ll find here. Colleges with doctoral programs typically attract top-notch faculty who want to push the boundaries of knowledge in their academic specialties, and they accomplish that by working with outstanding students on cutting-edge research and real-world problems.

At some colleges (most often the bigger ones), the best faculty members work primarily with graduate students, but at ESF our small-college environment ensures that undergraduates also get the personal attention they deserve. You’ll find that ESF faculty members want to help you succeed in your academic program and prepare for a rewarding career, and that process begins in the smaller classes that ESF often provides. When U.S. News & World Report ranked the nation’s 100 “Best National Universities” based on percentage of classes with fewer than 20 students (2015 edition), ESF was ranked 18th in the nation, with 66% of our classes at that size.

The outstanding students that choose ESF also make a difference in the learning environment. They are well prepared for the focused and challenging academic programs offered at the College, and they come to ESF with a strong commitment to solving environmental problems. This results in a close-knit community of faculty and students who share many interests and work together to improve the world around them.

World-renowned faculty
The faculty at ESF come from impressive backgrounds and are working on research that’s aimed at solving many of the world’s environmental problems. Students work side by side with faculty members on current research ranging from restoring polluted lakes to developing new sources of biofuels. ESF has more faculty and students in academic programs focused on the environment than any other college in the United States, but our small-college atmosphere guarantees that faculty get to know students on a first-name basis. Outstanding teaching is the top priority for our faculty.

World’s biggest campus
Students participate in classroom,
laboratory, and field work at our main campus in Syracuse and on more than 25,000 acres of forest and wetlands at ESF’s regional campuses and field stations located throughout Central New York and the Adirondack Park region.

ESF faculty and students are also conducting environmental research all around the globe, and our study abroad programs can take you to exotic locations.

Real-world experience
Career-related internships provide invaluable work experience and can often pave the way to a permanent position after graduation. The College has an extensive internship program to help students with the internship process. Every ESF major requires some type of experiential learning to enhance your education.

Best of both worlds
Right next door to ESF’s Syracuse campus is Syracuse University, and ESF students can take advantage of a wide variety of programs and services at both institutions. ESF students are able to take selected courses at SU and participate in academic and cultural events.

SU also provides ESF students with a greater choice of options for on-campus recreation, activities, clubs, dining, and religious services. You can attend exciting Division I sports events in the impressive Carrier Dome and join more than 350 student organizations and clubs on both campuses.

World-class value
ESF has earned top rankings from U.S. News & World Report in its annual survey of “America’s Best Colleges,” which placed ESF among the top 50 “best value” colleges in the nation and among the top 100 national universities for quality and reputation. Forbes magazine currently ranks ESF 20th in its list of “America’s Best College Buys” and third in its list of the nation’s best colleges for women studying science and engineering.

ESF AT A GLANCE

- Founded in 1911, the State University of New York College of Environmental Science and Forestry is the nation’s oldest and most respected college dedicated solely to the study of the environment.
- The ESF campus occupies 12 acres in Syracuse and 25,000 acres on its regional campuses.
- The ESF student body includes 1,750 undergraduate students and 500 graduate students.
- ESF alumni number more than 19,000 worldwide.

ACADEMIC PROGRAMS

Bachelor’s Degree Programs
- Aquatic and Fisheries Science
- Bioprocess Engineering
- Biotechnology
- Chemistry
- Conservation Biology
- Construction Management
- Environmental Biology
- Environmental Education
- Environmental Health
- Environmental Resources Engineering
- Environmental Science
- Environmental Studies
- Forest Ecosystem Science
- Forest Health

- Forest Resources Management
- Landscape Architecture
- Natural Resources Management
- Paper Engineering
- Paper Science
- Sustainable Energy Management
- Wildlife Science

Associate Degree Programs
- Environmental Conservation
- Forest Technology
- Land Surveying Technology

Graduate Degree Programs
- 20 master’s degree
- seven doctoral degree programs

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WEBSITE esf.edu
E-MAIL esinfo@esf.edu
The University of Indianapolis is quickly distinguishing itself as one of the nation’s top-quality universities. Major campus improvements, innovative academic initiatives, and a top-tier ranking in *U.S. News & World Report* have created record enrollments and a powerful combination of features that benefit students in ways you never imagined.

**Why wait to do what you love?**
Our goal at the University of Indianapolis is to inspire excellence—in the classroom, in the community, on the playing field, and beyond. At the heart of our education are inspiring faculty who know you personally. They help you discover and develop your life's passion by connecting you to opportunities to practice what you love—before you graduate.

**Expect a life-changing curriculum**
We offer a top-notch education that combines a liberal arts and career-oriented curriculum that our graduates call life-changing. Special facilities such as our new Health Pavilion allow students to enhance classroom learning with real-life clinical experiences and simulations. Krannert Memorial Library was recently renovated. The transformed library features The Writing Lab, a café, an outdoor plaza, and a 24-hour study lab. You can choose from more than 100 undergraduate academic programs. We also offer 32 master's programs and five doctoral programs.

Our location in Indianapolis, the Midwest's second-largest city, provides an awesome advantage in finding internships and service learning opportunities. And if you desire additional real-world experiences before you graduate, you might consider one of our study abroad opportunities. During our unique three-week spring term, you can be a part of faculty-led international trips to different destinations each year: recent trips have included Germany, Japan, and Ecuador. You can also study for a semester at universities around the world with which we maintain relationships, including Oxford University's Harris Manchester College.

**Blossom in and out of the classroom**
You’ll have lots of options here to make your life richer. You might join the departmental club within your major or a group that is completely unrelated. We make sure you have opportunities to get involved in all kinds of extracurricular experiences: clubs, service groups, faith-based activities, the arts, athletics—you name it.

When it comes to your professional preparation, we make sure you have time—before you graduate—to start practicing what you learn outside the classroom. Many majors offer practical experience, which gives you an edge in the job market. Our Indianapolis location offers valuable internship and applied learning experiences at organizations such as Rolls-Royce, the NCAA, the Indiana Pacers, renowned medical centers, major media outlets and radio stations, the Indianapolis Colts, Eli Lilly and Company, and the Indianapolis Children's Museum.

**Is this the place for you?**
Do you want to learn in small classes
taught by professors who know you? To contribute to a club, a team, or the community? To meet people from close to home and from every corner of the globe? To be close enough to a city where you can practice what you’ve learned in the classroom and make potential job contacts? If you’re looking for these things and more, the University of Indianapolis may be for you.

We look forward to telling you more.

Card #5245 Address Office of Admission, 1400 E. Hanna Avenue, Indianapolis, IN 46227 Phone 866-421-7173 Website uindy.edu E-mail admissions@uindy.edu
Academics and career pathways
Iona College offers more than 60 bachelor’s programs and 45 master’s programs in the School of Arts and Science and School of Business. With a student-faculty ratio of 16:1, all classes are taught by professors. Iona’s honors program offers specially designed courses, opportunities to conduct independent research, a professional mentoring program, and six tuition-free credits each academic year. Five-year bachelor’s/master’s degree programs, as well as a fast-track MBA, allow qualified students to earn two degrees with a year’s cost savings and an earlier start to their career.

Iona holds 10 prestigious program accreditations, including AACSB International recognition for its School of Business.

Academic facilities include new state-of-the-art science labs, a real-time trading floor with Bloomberg terminals, a Speech and Language Pathology Clinic serving the community, and broadcast media studios. Our faculty have served as international policy advisors, school district superintendents, media professionals, and

FAST FACTS
• First-year students living on campus: 63%
• Female-male ratio: 52:48
• Minority students: 33%
• International enrollment: Students from 42 countries
• Student-faculty ratio: 16:1
• Full-time faculty with highest degree in their field: 89%
• Courses taught by teaching assistants: 0
• Freshmen receiving financial aid: 99% (not applicable to transfers)
• Early Action deadline: December 1
• Regular Decision deadline: February 15
• 2016-2017 tuition and fees: $36,584
• 2016-2017 room and board: $14,400
• Residence halls or apartment options: 7
• Phone number: 800-231-IONA

If you’re looking for a welcoming community with challenging academics and a commitment to serving others, Iona could be the right fit for you. Located on 45 scenic acres in New Rochelle, New York, just 20 miles north of Midtown Manhattan, Iona provides an educational experience grounded in the liberal arts and enhanced by a strong focus on career-ready skills. As an Iona student, you will develop the knowledge, problem-solving ability, and real-world connections—mentored by our faculty and alumni—to gain a competitive edge in your career.

Iona prepares its students for success in all facets of their lives. Founded in 1940 by the Christian Brothers, today the private, comprehensive, four-year Catholic college enrolls approximately 4,000 undergraduate and graduate students from diverse backgrounds and 42 countries.

Centrally located in Westchester County between the economic centers of New York City and Fairfield County, Connecticut, Iona grants students easy access to internship opportunities in all career fields, and 70% of students complete at least one. Many also participate in Mission & Ministry’s local service projects or weeklong trips. Ninety-one percent of Iona graduates are employed or enrolled in graduate school within six months of graduation.
chief executives in many industries, and they share their expertise with Iona’s students.

**Campus life and facilities**

Iona’s vibrant, friendly, and safe campus offers much to do, including performances, Division I athletics, and a thriving Greek life. Students get involved through more than 80 active clubs, student organizations, and intramural sports.

Housing includes traditional residence halls, suites, and apartments. Meal plans are available to students living on or off campus.

With the regularly operating Gael Express to the nearby New Rochelle Metro-North train station, it takes about 30 minutes for Iona students to reach the heart of New York City.

This hub of international finance, arts, sports, and communication offers not just world-class internships and career opportunities but lots of recreational options too.

**Admission and financial aid**

At Iona you’ll have your own personal admissions counselor. Contact us today to be connected with yours and to schedule a campus visit. Iona offers both need-based financial aid and merit scholarships up to $34,000 your first year and up to $136,000 over four years.

**NSF Grant Awarded to Chemistry Department**

Iona College was awarded a National Science Foundation (NSF) grant of $324,999 for continued support of research activities in soft materials chemistry. The project, “RUI: Structural Determinants of Permeation and Nucleation at a Self-Assembled Interface,” will support the work of Dr. Sunghee Lee, Board of Trustees Endowed Professor and Chair of Chemistry, and her undergraduate research program from September 2016 to August 2020.

Dr. Lee will work to secure greater fundamental understanding of how living cells maintain their water balance essential to sustenance of life and will use the nature-inspired techniques discovered through this work to create tailor-made particles for a wide variety of uses in technology and industry. “This NSF award will enable significant advances in the fundamental understanding of the cellular mechanisms of water transport, while training the next generation of scientists in state-of-the-art scientific techniques,” said Dr. Lee.

The NSF support has led to a productive output in undergraduate research training and education, including international research collaboration with the University of Tokyo. “The depth and breadth of quality research training for our students will continue to expand, thanks to the nationally recognized support for our exertions here at Iona,” Dr. Lee said.
Engage
At Methodist University you will take advantage of small classes, averaging 22 students, which enable classroom participation. Professors teach and encourage you to learn in an active setting. Outside the classroom you will get involved in one or more of our almost 100 clubs and student organizations, cheer on (or compete for) the 20 MU Monarch NCAA Division III athletic teams, and have fun!

Enrich
Few other small private universities will give you the enrichment opportunities you will find at Methodist University. There are over 80 majors, minors, and concentrations—a number comparable to much larger institutions. These programs allow you to diversify academically and further prepare you for life in the “real world.”

Built into every Methodist University degree is a belief that students should be challenged, supported, and advised by a faculty that place an emphasis on teaching excellence. Involvement outside of the classroom is also part of what makes Methodist University a special place. You will enhance your academic experience by being a member of a community that encourages involvement and gives you a real opportunity for leadership development. Community engagement activities, internships and experiential learning exercises, undergraduate research opportunities, and global experiences will round out your Methodist University journey.

Empower
While a strong liberal arts core is the backbone of every Methodist University degree program, career preparation is equally important. MU graduates are highly sought after by graduate schools and employers alike. And they are successful: Methodist University graduates are leaders in virtually every field—they are educators, musicians, business owners, doctors, golf professionals, ministers, lawyers, community leaders, and almost anything else you can imagine.

Methodist University empowers you to do more by offering such a broad range of academic, extracurricular, and career opportunities. Start your MU journey. Complete the information request card at the front of this magazine or visit methodist.edu to receive more information today!

Engineering
Methodist University is the perfect place to experience an engineering program that embraces community learning instead of competition that can be experienced elsewhere. Engineering is a team-oriented discipline, which students at Methodist University will experience throughout their undergraduate journey.

A student in the Methodist University Engineering Program will gain knowledge in the sciences, math, and engineering as well as the liberal arts while being provided the opportunity for many other enrichment activities. The goal is for each student to have his or her own real-world experience while obtaining the degree. Examples of enrichment activities include:

- Local service learning projects
- Internships at local, national, or international companies
- Participating in the MU Journey
- Varsity or intramural sports
- Research projects
- Attending engineering and other STEM conferences

CARD #3445 ADDRESS Office of Admissions, 5400 Ramsey Street, Fayetteville, NC 28311-1498 PHONE 800-488-7110 WEBSITE methodist.edu E-MAIL admissions@methodist.edu
The Engineering curriculum will allow each student to focus on his or her own interests, such as health care, sports analysis, information systems, product development, or business. The Engineering core will provide fundamental engineering knowledge applicable in any engineering field, providing students a strong foundation for any career as well as graduate school in any engineering field. Some possible courses to enhance the Engineering core include:

- Biomechanics
- Entrepreneurship
- Environmental Regulations
- Fundamentals in International Business
- Human Anatomy and Physiology
- Human Factors
- Kinetic Human Anatomy
- Managing Health Care Organizations

“It can be intimidating to sit in a class of 100 or 200 people, but that was never the case at Methodist, and I believe that I benefited from that. The accessibility of professors was another huge plus. If I ever had specific questions or just wanted further clarification from a lecture, there was no problem arranging that with any of my professors. In fact, even though I have not been a Methodist student since May 2012, I sometimes get advice from Methodist professors for some of the topics I am studying in graduate school.”

- Nolan Outlaw ‘12
  Chemistry with minors in Biology and Mathematics
  Albertson, North Carolina

By the Numbers

Top-Tier ranking in U.S. News & World Report

2,474 total enrollment

35 states represented

72 countries represented

100% of classes taught by faculty

15:1 student-faculty ratio

94% of classes with fewer than 30 students

80% of students applying to medical professional programs over the last decade admitted

96% average first-time PANCE pass rate for Physician Assistant program graduates in the last five years

20 NCAA Division III athletic programs

69 team and individual national championships

5 full-tuition scholarships given to new freshmen each year

36% of freshmen selected for a Presidential Scholarship

93% of students qualifying for need-based or merit-based financial aid
Distinguished by the personal attention it provides its students, Sacred Heart University (SHU) is known for its commitment to academic excellence, Division I athletics, cutting-edge technology, and community service. Recently named one of the fastest-growing Catholic universities in the country, this dynamic institution is an innovative presence within higher education.

**Engineering programs**

The BS in Computer Engineering curriculum balances hardware and software principles and offers various areas of specialization. The program provides a platform for further work leading to graduate studies in Computer Engineering, as well as careers in fields such as business, law, medicine, management, and others.

Graduates of Sacred Heart University’s 3+2 Dual-Degree Engineering Program have both a broad liberal arts background and a technical engineering degree, which sets them apart among engineering school graduates. Students spend three years at SHU followed by two years at one of our partner engineering schools: Columbia University or Rensselaer Polytechnic Institute (RPI). Students earn bachelor’s degrees in both a liberal arts discipline from SHU (Chemistry, Math, or Computer Science) and an Engineering degree from Columbia or RPI (Biomedical, Chemical and Biological, Industrial Management, Mechanical, Electrical, Chemical, Materials Science, or Computer Engineering) at the end of the five-year program.

**Biology programs**

The Molecular and Cellular Biology major emphasizes course work in biotechnology, microbiology, and cell/molecular biology and provides students with extensive research experience through research with faculty and internships with local biotechnology companies. The major is ideal for students preparing for graduate school or employment in the pharmaceutical and biotechnology industries. The Biology major prepares students for a wide variety of careers in the life sciences as well as meeting the requirements for admission at most graduate and pre-professional schools.

The Coastal and Marine Science major emphasizes course work in coastal science, marine science, ecology, conservation biology, environmental restoration, and related areas, plus field work, independent research projects, and internship experiences. At Sacred Heart’s international coastal research center in County Kerry, Ireland, students partake in international research and study experiences led by faculty members. Closer to home, SHU’s proximity to the Long Island Sound offers unique research experiences such as Project Limulus, a research program examining the American horseshoe crab population in the Sound.

Recent graduates from SHU Biology programs have gone on to work with employers such as the Centers for Disease Control, Harvard School of Public Health, the Connecticut Agricultural Experiment Station, Bayer, and Unilever, while others have enrolled in graduate programs at schools such as Columbia University, Brown University, Yale University, Dartmouth College, and New York University.

**Neuroscience major**

The Neuroscience major emphasizes interdisciplinary course work in biology and psychology. Supervised research with Biology or Psychology faculty and internships in neuroscience-related health care or biotechnology fields are an integral part of the curriculum. This major is excel-
ential preparation for graduate and professional training in the biomedical sciences, careers in the health professions, or careers in neuroscience-related biotechnology and pharmaceutical industries.

Chemistry programs
The Biochemistry major offers instruction in biochemical theory, techniques, and practices, and graduates are well qualified for laboratory research positions in chemical and life science industries and for continuing training in the health sciences, including medicine, pharmacy, and dentistry. The BS in Chemistry provides a curriculum with strong, supportive courses in mathematics and physics and is recommended for graduate study in Chemistry or as preparation for an industrial position. Through SHU’s accelerated bachelor’s-master’s degree program, students earn both a BS and an MS in Chemistry in five years.

The strengths of the SHU Chemistry programs include small class sizes; extensive interaction with faculty; an award-winning student affiliate American Chemical Society chapter; facilities with the latest innovations in technology, teaching pedagogy, and lab equipment; opportunities for community service; and a comprehensive internship program.

School of Computing
SHU offers several majors in addition to the BS in Computer Engineering. The Game Design and Development degree, recognized by The Princeton Review as one of the “Top 50 Undergraduate Game Design Programs” in the country, focuses on the game creation process, game play theory, fundamentals in computer graphics, components of animation, and how to thrive as part of a multidisciplinary team. Students utilize a new Gaming Lab both as an extended classroom and a place to compete as part of the intercollegiate Club Gaming team.

Degrees are also offered in Computer Science (with an option to concentrate in Network Security) and Information Technology.

Students choose the SHU School of Computing for the hands-on approach to learning, small classes, and individual attention. Students work with faculty on undergraduate research projects, including a year-long senior project. State-of-the-art computing labs, a closed LAN laboratory, and a new motion capture lab for digital editing are available to students. Off campus, students intern at a variety of top companies, including Microsoft, GE, IBM, Morgan Stanley, NBC Sports, Sikorsky Aircraft, and others.

THE FRESHMAN ACADEMIC EXPERIENCE
At the heart of the freshman academic experience at SHU are the connections freshmen form with faculty members as soon as they arrive on campus. In the First Year Seminar program, freshmen explore fascinating topics in an intimate weekly seminar led by a professor. Freshmen also work with an academic advisor in the SHU College in which they are interested in studying, who guides their advisees on curriculum planning and other academic issues. Below are just a few hallmarks of the SHU freshman academic experience.

MAJOR IN SUCCESS
Students undecided on a major or career path find personalized guidance from professional career coaches and peer mentors in this unique, structured program that helps students choose a major that is a fit for them or verify a choice they’ve already made.

FRESHMAN STUDY ABROAD
In addition to short-term and semester programs for upperclass students around the globe, SHU offers incoming freshmen the opportunity to spend their first SHU semester in Rome, Italy, or Dingle, Ireland, or attend a one-week program in Ireland before the start of their fall semester on the main campus.

SHUSQUARE
SHU’s learning community extends beyond the classroom to this dynamic online forum that connects students with their classmates, peers, and faculty who post ideas, videos, blogs, and more.

THE ART OF THINKING
This logic course helps freshmen cultivate reading, critical-thinking, and communication skills necessary to college success.

ACADEMIC SUPPORT
The Jandrisevits Learning Center offers learning strategies to meet individual students’ needs in the form of tutoring, workshops, Learning Labs, writing support, and group study sessions. The Office of Special Learning Services offers additional services to those students with documented learning disabilities.
located in the heart of Tulsa, Oklahoma, TU is home to world-class mentors and groundbreaking research initiatives that invite students to participate the moment they step on campus. Many of these projects become life-changing experiences not only for students and faculty but also for the off-campus community, local and abroad, who benefit directly from meaningful research.

Earlier this year, students in the Make a Difference Engineering (MADE at TU) program designed and constructed a mobile cooking center that allows children with physical and developmental disabilities to complete fun and safe cooking tasks in a real kitchen. Other TU students are building a tricycle prototype fabricated specifically for physically challenged individuals.

Studying abroad, students have conducted research in the tropical rain forests of Costa Rica, studied nanotechnology in the NanoJapan program, and installed solar water heaters for villagers in Bolivia.

The Tulsa Undergraduate Research Challenge (TURC) is an exclusive TU initiative emphasizing scholarship, community service, and independent research. TURC student research projects have involved Internet attack modeling, designing sensors for agents of chemical warfare, and improving fiber-optic capabilities to detect oil-water boundaries in oil production.

In the evolving world of Internet security, TU is well respected nationally for its Cyber Corps program that trains some of the country’s elite digital security experts to defend the United States against cyber threats.

Several specialty undergraduate research programs are available every summer for those majoring in Chemistry, Geosciences, and Physics. Students often present their research findings at national conferences, and many have been published in academic journals.

As a TURC participant, Caleb Lareau (BS ’15) focused on the genetic basis of complex diseases. His discoveries earned him many research awards, including the Goldwater Scholarship, a National Science Foundation Graduate Research Fellowship, and acceptance into the Research Internships in Science and Engineering.
program, sponsored by the German Academic Exchange Service.

At TU Lareau also participated in the NOVA Fellowship program, coordinated the University’s annual Service Day, and received a US Presidential Volunteer Service Award. He is pursuing a doctoral degree in Biostatistics at Harvard University.

Students like Lareau who seize the opportunities they’re offered at TU easily transition to professional settings in rewarding careers or graduate school. They regularly win national scholarships and awards for outstanding leadership, academic, and research achievements. TU students have received 62 Goldwater Scholarships, 66 National Science Foundation Graduate Research Fellowships, 18 Fulbright Awards, five British Marshall Scholarships, and nine Udall Fellowships.

**TU • At A Glance**

**CURRENT ENROLLMENT**
- Total enrollment: 4,671
- Undergraduate: 3,478
- Graduate and law: 1,193
- US minority students: 18%
- International students: 25%

**MAJORS WITH LARGEST ENROLLMENTS**
- Petroleum Engineering, Mechanical Engineering, Exercise/Sports Science, Nursing, Management, Biology, Accounting, Psychology, and Finance
- 73% of students graduated in the top 10% of their class.
- Average GPA: 3.9

**2016–2017 TUITION AND FEES**
- Tuition: $40,484
- Room and board: $11,116
- Fees: $1,025
- Total: $52,625

**VARSITY ATHLETICS**
- Nickname: The Golden Hurricane
- NCAA Division I
- Member of American Athletic Conference
- Men’s sports: Basketball, cross-country, football, indoor and outdoor track, soccer, tennis
- Women’s sports: Basketball, crew, cross-country, golf, indoor and outdoor track, soccer, softball, tennis, volleyball

**POINTS OF PRIDE**
- McDougall School of Petroleum Engineering: Renowned program that employs cutting-edge technology and conducts research for top global energy corporations
- Institute for Bioinformatics and Computational Biology: Current projects include neuroinformatics and algebraic models of cell behavior
- Institute for Information Security (iSec): Provides data protection for private companies and utilities
- Make a Difference Engineering (MADE at TU): Design and fabrication projects that assist local individuals with physical and developmental challenges
- Cyber Corps: Training for advanced cyber security operations with federal agencies

**PROGRAMS**
- Biochemistry (BS)
- Biogeosciences (BS)
- Biological Science (BS or BA)*: Options in Pre-dentistry, Pre-medicine, and Pre-veterinary
- Chemical Engineering (BS): Options in Environmental Engineering, Materials, Petroleum Refining, and Pre-medicine
- Chemistry (BS or BA)*
- Computer Science (BS)
- Computer Simulation and Gaming (BS)
- Electrical and Computer Engineering (BS)
- Electrical/Computer Engineering (BS)
- Engineering Physics (BS)
- Geology (BA)
- Geophysics (BS)
- Geosciences (BS)
- Information Technology (BSIT)
- Mathematics (BS or BA)*
- Mathematics, Applied (BSAM)*: Options in Business, Computer Science, Education, Engineering, and Environmental Science
- Mechanical Engineering (BS)
- Petroleum Engineering (BSPE): Minors available in Chemical, Environmental or Mechanical Engineering, and Geosciences
- Physics (BS or BA)*

**MINOR PROGRAMS**
- Biological Science
- Chemistry
- Computational Sciences
- Computer Science
- Mathematics
- Physics

**CERTIFICATE PROGRAMS**
- Computer Science
- Information Technology

* Secondary Teacher Certification available

utulsa.edu
Accessible faculty
Advising and mentoring students is a critical part of the College’s mission. Its faculty-scholars are dedicated to inspiring individuals to discover and apply science and technology for a better future. Faculty members have an open-door policy to students, fostering a collaborative learning environment and providing the necessary support for students to achieve their goals. Small class sizes provide space to ask the big questions and seek big solutions—all while getting to know classmates and professors on a deeper level.

Meaningful research
Students don’t sit on the sidelines in the College of Science & Engineering. More than 40% of undergraduate majors are engaged in research, the majority of which involves students working directly with faculty. The College also believes in the importance of meaningful research—faculty and students are purposeful in choosing impactful topics that aim to make the world a better place. Professors in the College of Science & Engineering have been awarded millions of research dollars for investigating child development, galaxy mapping, sustainability, wind energy, cancer, Alzheimer’s disease, mercury contamination, the psychology of obesity, and other meaningful projects.
Areas of Study

- Applied Geoscience
- Astronomy
- Biochemistry
- Biology
- Chemistry
- Child Development
- Computer Information Technology
- Computer Science
- Data Science*
- Energy Technology & Management*
- Engineering
  - Electrical (emphasis only)
  - Mechanical (emphasis only)
- Environmental Science
- Geology
- Health Care Ethics*
- Mathematics
  - Actuarial Science (concentration only)
- Neuroscience
- Nutritional Sciences
  - Coordinated Program in Dietetics
  - Didactic Program in Dietetics
  - Food Management
  - Nutrition
- Physics
  - Biomedical Physics (concentration only)
- Psychology
- Psychology of Leadership*
- Sustainability

* Available as a minor only

The place for high achievers
If you’re a hard worker with boundless intellectual curiosity, you’ll find your home in the College of Science & Engineering. Its students are among the most accomplished at TCU, with some of the highest entering SAT scores and strong campus involvement. Students in the TCU Pre-health Professions Institute have garnered an acceptance rate to medical school at twice the state and national average over several decades. The institute is “…generally regarded as the best [pre-med program] in Texas,” according to the Austin American-Statesman. Fort Worth’s new medical school, a partnership between TCU and UNT Health Science Center, promises to dedicate one-third of each incoming class to TCU Pre-health graduates.

CARD #4980
ADDRESS TCU Office of Admission, TCU Box 297013, Fort Worth, TX 76129
PHONE 800-828-3764
WEBSITE tcu.edu
E-MAIL frogmail@tcu.edu

EXPLORE TCU AND FORT WORTH
LOOKAROUND.TCU.EDU

CONNECT WITH US
CSE.TCU.EDU

@TCUCSE
@TCU_CSE
TCUCSE
hen students graduate from Norwich, they are prepared to think critically and act responsibly. That’s because Norwich prepares leaders. Global citizens. People of character. People with purpose. Focused, driven, and committed to excellence, Norwich graduates have made major contributions to America’s security, infrastructure, and economic growth over the past 196 years.

Academic environment
Norwich offers a rigorous academic environment emphasizing interactive classes, innovative teaching methodologies, mentoring relationships with faculty, and extensive, hands-on learning. Through leadership training and civic engagement programs, our faculty, who are highly accomplished researchers, scholars, artists, and teachers, share their new ideas to inspire personal growth and address real-world challenges.

Bachelor’s degree programs
More than 30 different bachelor’s degree programs are available, from Business, Engineering, and “Cybercrime” with Computer Security and Information Assurance (CSIA) to Health Sciences. Norwich was the first private college in the country to create a Civil Engineering program in 1820 and is ranked #2 in the United States for Computer Security and Information Assurance.

Exceptional job placement rate
Norwich graduates have a 96% job placement rate and are held in the highest esteem by employers, whether in the public or private sector. Undergraduate research, internships, study abroad opportunities, community service, and civic engagement programs bring out the best in students.

Fresh air breeds fresh ideas
The majority of students are involved in an organized sports activity, whether on one of the 20 varsity men’s and women’s sports teams or club or intramural sports.

The first private military college in the United States
Norwich University is located in the Green Mountains of Vermont. Shaw Outdoor Center on Norwich’s Paine Mountain offers some of the best mountain biking, snowshoeing, backcountry skiing, and hiking around. A strong sense of community exists within the residential halls, on the campus, and in the small, safe, welcoming village of Northfield. The campus is located 20 minutes from Montpelier, Vermont’s state capital; one hour from Burlington, Vermont’s largest city; and three hours from Montreal, Canada, and Boston, Massachusetts.

At a Glance
- Founded: 1819; birthplace of ROTC (Reserve Officers’ Training Corps)
- Location: 1,200-acre campus located in Northfield, Vermont
- Type: The first private military college in the United States; Corps of Cadets and civilian students; coeducational
- Student Body: 2,300 full-time undergraduate students, including military and veteran students; 1,450 Corps of Cadets and 850 civilian residential and commuter students; 1,400 graduate and continuing studies online students
- Student-Faculty Ratio: 14:1
- Colleges: College of Liberal Arts, College of Architecture and Art, College of Science and Mathematics, College of National Services, College of Graduate and Continuing Studies
- Programs: More than 30 different bachelor’s degree programs; nine online master’s degree programs
- Graduate Placement: 96% job placement rate
- Sports and Activities: 20 varsity teams, NCAA Division III
- Civic Engagement: More than 84% of Norwich students volunteer to shape a better world through military service or civic engagement.
Undergraduate Majors

- Accounting
- Architectural Studies
- Athletic Training
- Biochemistry
- Biology
- Chemistry
- Chinese
- Civil & Environmental Engineering
- Communications
- Computer Science
- Computer Security & Information Assurance
- Construction Management
- Criminal Justice
- Education
- Electrical & Computer Engineering
- Engineering
- English
- Environmental Science
- Exercise Science
- Geology
- Health Sciences
- History
- International Business
- International Studies
- Management
- Mathematics
- Mechanical Engineering
- Neuroscience
- Nursing
- Physical Education
- Physics
- Political Science
- Psychology
- Spanish
- Studies in War & Peace

norwich.edu

ACCREDITATIONS

Norwich University is regionally accredited by the New England Association of Schools and Colleges.

The Civil, Electrical, and Mechanical Engineering programs are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET).

The Architecture program is accredited by the National Architectural Accrediting Board (NAAB). Norwich is a member of the Association of Collegiate Schools of Architecture (ACSA) and the Architectural Research Centers Consortium (ARCC).

The Bachelor of Science in Accounting, Construction, and Engineering Management and the MBA programs are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

The Bachelor of Science in Nursing and the Master of Science in Nursing programs are accredited by the Commission on Collegiate Nursing Education (CCNE).

The Athletic Training Education program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

People of Purpose

Cadets and civilians come together on campus, in class, on athletic teams, and in volunteer activities to inspire one another, learn from shared experiences, and make positive change.

Intellectual Connections

The 14:1 student-faculty ratio makes for small classes and meaningful faculty relationships that bring learning to life.

Play to Win

Discipline. Determination. Hard Work. That defines our student-athletes in and outside of the classroom. Norwich teams are focused on being the best.
We educate leaders whose innovation and entrepreneurship result in personal success and service to humanity.

Santa Clara University is the optimal choice for students who are seeking an intellectually rigorous, spiritually enriching, and culturally engaging educational experience. Located in the heart of Silicon Valley, Santa Clara is adjacent to San Jose, the 10th-largest city in the United States, and about 40 miles south of San Francisco. Home to more than two million residents and 6,600 science- and technology-related companies, the region is known for extraordinary visionaries who have created some of the most significant scientific and technological advances of our age—as well as for the many internship and employment opportunities that abound here.

The University’s reputation is about much more than its beautiful location. The spirit of creativity, innovation, and entrepreneurship that characterizes the Valley, together with an exceptional work ethic and the willingness to take chances, has been part of our tradition since well before the start of the digital age. Our mission is grounded in a 450-year Jesuit tradition of educating the whole person to become a leader of conscience, competence, and compassion. With a strong community-based learning model that distinguishes its undergraduate experience, we instill not only the knowledge required to succeed in a complicated world but also the desire and ability to change it.

For those exceptionally talented, high-achieving students, our University Honors, LEAD, and Johnson Scholars programs offer an opportunity to develop the leadership skills, knowledge, and commitment required to help build a better world.

It’s all right here
It’s easy to meet people and get involved when you join such a diverse community of students and professors. On campus you’ll find NCAA Division I sports, music and theatre shows, guest lectures, spiritual retreats, intramural and club sports, movies, concerts, volunteer opportunities, and more than 150 campus organizations. There is something happening every day. From campus it is also a short trip to the beaches of Santa Cruz, the city of San Francisco, and many beautiful hiking trails in the redwoods. With 300 days of sunshine, students at SCU enjoy the outdoors and many activities unique to Northern California. Lake Tahoe, Yosemite National Park, and Napa Valley are popular, easy-to-reach weekend destinations.

SANTA CLARA UNIVERSITY

Invent the Life You Want to Lead

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CARD #4484 ADDRESS Undergraduate Admission, 500 El Camino Real, Santa Clara, CA 95053 PHONE 408-554-4700 WEBSITE scu.edu/ugrad E-MAIL admission@scu.edu
Financial Aid at SCU

Our financial aid programs can make Santa Clara University more affordable for you and your family. The financial aid programs we administer, which include need-based and merit-based aid, grants, and scholarships, help 73% of our students meet their SCU educational expenses.

Early Decision (binding) and Early Action (non-binding) financial aid deadlines:
- November 15: CSS/PROFILE
- February 1: FAFSA

Regular Decision financial aid deadlines:
- February 1: CSS/PROFILE
- February 1: FAFSA

Santa Clara University School Code: 001326
CSS/PROFILE Financial Aid Code: 4891

Majors
- Accounting
- Accounting and Information Systems
- Ancient Studies
- Anthropology
- Art History
- Biochemistry
- Bioengineering
- Biology
- Chemistry
- Child Studies
- Civil Engineering
- Classical Languages and Literatures
- Classical Studies
- Communication
- Computer Science (Mathematics)
- Computer Science and Engineering
- Economics
- Electrical Engineering
- Engineering Physics
- English
- Environmental Science
- Environmental Studies
- Ethnic Studies
- Finance
- French and Francophone Studies
- German Studies
- History
- Individual Studies
- Italian Studies
- Latin and Greek
- Management
- Management and Information Systems
- Marketing
- Mathematics
- Mechanical Engineering
- Music
- Neuroscience
- Philosophy
- Physics
- Political Science
- Psychology
- Public Health Science
- Religious Studies
- Sociology
- Spanish Studies
- Studio Art
- Theatre Arts
- Web Design and Engineering
- Women's and Gender Studies

Most majors are also offered as minors.

Fast Facts

Location: 40 miles south of San Francisco, in the heart of Silicon Valley
Founded: 1851
Campus size: 106 acres in a suburban setting; 10 residence halls all located on campus
Admission deadlines:
- Early Decision: November 1 (binding)
- Early Action: November 1 (non-binding)
- Regular Decision: January 7
Total enrollment (fall 2015): 8,680
Undergraduates: 5,385
- College of Arts and Sciences: 3,085
- Leavey School of Business: 1,436
- School of Engineering: 965
Average room and board: $13,965
Students receiving financial aid: 73%
Student-faculty ratio: 12:1
Number of faculty: 946
Average class size: 23
Enrolled freshmen (fall 2015, Class of 2019):
- Applications: 14,899
- Accepted: 7,270
- Enrolled: 1,261
Middle 50% scores:
- GPA: 3.67
- SAT Critical Reading: 590–690
- SAT Math: 620–710
- ACT Composite: 27–32
Freshmen who live in residence halls: 94%
Student statistics (undergraduates):
- Female: 49.3%
- Male: 50.7%
- Black or African American: 3%
- Asian: 18%
- Caucasian: 49%
- Native American, Alaska Native, and Native Hawaiian: <1%
- Hispanic/Latino: 18%
- Multiethnic: 7%
- Not Reported: 4%
Division I, West Coast Conference athletic teams:
- Men: Baseball, basketball, crew, cross-country, golf, soccer, tennis, track & field, water polo
- Women: Basketball, beach volleyball, crew, cross-country, golf, soccer, softball, tennis, track & field, volleyball, water polo
- Other: Eight intramural sport teams, 17 club sport teams, and more than 150 other student organizations
Abilene Christian University is a diverse, welcoming, academically rigorous community redefining what it means to be a leading university in the 21st century.

We are the best in the world at providing an exceptional academic education in a Christ-centered environment. Here, you will be challenged intellectually while developing spiritually, all in preparation for successful Christian service and leadership.

Our Engineering and Physics majors pursue a deeper understanding of the physical world through theory, application, analysis, and practical design.

The study of engineering is dedicated to glorifying the Creator. We admire God’s handiwork in the laws of the universe, and seek to understand and apply those principles to solve big problems while improving the lives of people around the world.

Their education comes under the mentorship of dedicated Christian faculty who are active researchers in their fields. They are respected internationally for their work, and with an average class size of 10 students, you’ll get to know your professors well—often with an opportunity to become a colleague. Involvement in the process of research and discovery sets ACU apart from engineering majors at other universities.

We want to be a place where you can grow in your faith and come to better understand who Jesus is and what He’s called you to do. Be a part—and discover how your life and work can make a real difference in the world.
UNDERGRADUATE ACADEMIC MAJORS

- Advertising/Public Relations
- Agribusiness
- Animal Health Professions Co-Op
- Animal Science:
  - Animal Industry and Business
  - Biotechnology and Research
  - Livestock Management
  - Pre-veterinary Medicine & Health
- Architecture (AA)
- Art:
  - Graphic Design
  - Painting
  - Photography
  - Sculpture
- Art: Teacher Certification
- Bible and Ministry:
  - Biblical Languages
  - Biblical Text
  - Christian Ministry
  - Missions
- Biochemistry
- Biology
- Biology: Teacher Certification
- Business:
  - Accounting
  - Financial Management
  - Management
  - Marketing
- Chemistry
- Child and Family Services
- Communication
- Communication Sciences and Disorders
- Computer Science
- Computer Science and Mathematics:
  - Teacher Certification Criminal Justice
- Digital Entertainment Technology
- Education:
  - Early Childhood/Elementary
  - Middle School
  - Special Education
- Engineering
- English
- English: Teacher Certification
- Environmental Science:
  - Field Technology
  - Outdoor Studies
  - Politics and Public Policy
  - Wildlife and Resource Management
- Global Studies
- Graphic Design/Advertising
- History
- History: Social Studies for Teachers
- History: Teacher Certification
- Information Systems
- Information Technology
- Interior Design
- Journalism: Convergence Journalism
- Journalism: Teacher Certification
- Kinesiology:
  - Athletic Training
  - Generalist
  - Health Promotion
  - Pre-occupational Therapy
  - Pre-physical Therapy
  - Sport and Recreation Management
- Mathematics:
  - Actuarial Science
- Applied Mathematics
- Pure Mathematics
- Mathematics: Teacher Certification
- Ministry and Vocation
- Children and Family Ministry
- Vocational Missions
- Worship Ministry
- Youth and Family Ministry
- Multimedia
- Music
- Music:
  - Instrumental Teacher Certification
  - Piano Performance
  - Piano Teacher Certification
  - Vocal Performance
  - Vocal Teacher Certification
- Nursing
- Nutrition:
  - Community Concentration
  - Didactic Program in Dietetics
  - Exercise Science
  - Food Service
- Physical Science: Teacher Certification
- Physics
- Physics and Mathematics: Teacher Certification
- Political Science
- Political Science: International Relations
- Psychology
- Social Work
- Sociology
- Spanish
- Spanish: Teacher Certification
- Theatre
University of Cincinnati

University of Cincinnati Engineering and Science students have worked to launch history-making rockets from the California coast, dive underwater to help NASA train astronauts, turned fryer fat into power plant fuel, and developed artificial intelligence able to beat tactical experts in US Air Force combat simulations.

These are the anything-but-routine, real-world challenges and opportunities students find at UC, the university of choice for students who want the benefits of rigorous academic programs combined with the imperative to invent in and beyond the classroom. Putting education into action is the cornerstone of UC’s academic strength.

In classrooms, research labs, and with employers around the globe, UC Engineering and Science students are frequently tapped to take on big jobs involving real jobs, real responsibility—and real money. That’s because an international array of about 1,800 employers annually partner with the University to support students and their work.

This creative drive stems from UC’s national and international pre-eminence as the cradle of cooperative education, more commonly known as co-op. The idea that students should alternate academic semesters with paid, professional work terms directly related to their majors had its global founding at UC more than a century ago. Today UC houses the largest co-op program at any public university in the United States. It’s also the third-largest co-op program in the world, and UC consistently places among the very top such programs, as ranked by U.S. News & World Report.

Via cooperative education, UC students earn a collective $65 million annually, working for local, regional, national, and international employers, including Apple, Boeing, Disney, Duke Energy, General Electric, Honda, Kroger, NASA, Procter and Gamble, Toyota, and many others.

In addition, Engineering, Science, and Technology students are also able to pursue entrepreneurial efforts—in partnership with fellow students from other disciplines—with support from the UC Center for Entrepreneurship & Commercialization and the Entrepreneurship Bearcat Launchpad, the nation’s first student-led business accelerator.

These efforts go hand in hand with our cutting-edge campus, which The New York Times called the “most ambitious campus design program in the country.” This academic setting, with its A+ architecture and state-of-the-art smart labs, has been intentionally designed to both arouse intellectual curiosity and prompt a healthy social culture. People thrive on our campus because it’s a place where they can learn, problem-solve, and collaborate.

Throughout their academic careers, UC students earn many external honors and awards, including Fulbright and Goldwater Scholarships as well as grants and research project sup-
Port from internal and external entities as varied as the National Science Foundation, Department of Defense, Department of Energy, National Geographic Society, Robert Wood Johnson Foundation, and many others.

For instance, both undergraduate and graduate students receive funding and mentoring to pursue research through specialized programs like ROSE (Research, Observation, Service, and Education Experiences), WISE (Women in Science and Engineering), and SURF (Summer Undergraduate Research Fellowship). Such opportunities allow students to directly contribute to innovation, build a meaningful portfolio, and engage with faculty and other thought leaders outside the classroom.

**At A Glance**

**TYPE OF SCHOOL:** Urban public research campus world renowned for architectural diversity and beauty; ranked 39th among public universities by the National Science Foundation

**STUDENTS:** 44,000+ total students from 50 states and more than 110 countries; 11,000+ STEM majors

**STUDENT-FACULTY RATIO:** 17:1

**PROGRAMS:** 350+ degree programs; 14 colleges; 11 colleges with STEM programs

**REAL-WORLD EXPERIENCE & EARNINGS:** Students earn a collective $65 million annually by alternating semesters spent in school with paid, professional work experiences related directly to their majors (cooperative education).

**FINANCIAL AID:** Multiple scholarships and other forms of support are available. The University provides close to $50 million annually to undergraduates in merit-, talent-, and need-based aid and scholarships. All told the University administers close to $500 million in aid to all students in the form of federal, state, institutional, and private support.

**COSTS PER ACADEMIC YEAR:**
- Tuition, Ohio resident, undergrad: $11,000
- Tuition, out of state, undergrad: $26,334
- Tuition, Ohio resident, graduate: $14,468
- Tuition, out of state, graduate: $26,210
- Room and board: $10,964–$13,311 (depending on room type and occupancy)

**ADMISSION REQUIREMENTS:** Vary by program

**UNDERGRADUATE PROFILE:**
Incoming first-year students on Uptown Campus boast, on average, an ACT score of 25.7, SAT score of 1163, and high school GPA of 3.58.

First-year Engineering students enter with an average composite ACT score of 27.8, with a mathematics score of 28.7, and an average SAT composite of 1234.

**INTERNATIONAL STUDENT SERVICES:** Enrollments of international students are up 63% since 2009, due to focus on service, support, and retention. Retention of first-year, full-time international baccalaureate students is 93.5%. The Independent International Student Barometer survey of students at 172 universities ranks UC in the top five “most welcoming” in the United States.

**APPLICATION DEADLINE:** December 1 is the Early Action deadline for admission to selective programs the subsequent fall. All applications received before Early Action deadline are guaranteed to be reviewed. After December 1, programs with space continue to review applications on a rolling basis through March 1.
F
ounded in 1860, Quincy University is a Catholic, coeducational, residential university committed to a thoughtful, hands-on liberal arts education rooted in the Franciscan values of servant leadership.

Location
Located in western Illinois on the Mississippi River and accessible from St. Louis, Missouri, and Chicago, Quincy, Illinois, has all the comforts and security of a small town, but because we’re a regional hub, we have big-city benefits too.

Enrollment
Around 1,300 students attend Quincy from 26 states and six foreign countries.

Affordability
Making a quality private Catholic university education accessible is one of our highest priorities. It is for this reason that our tuition costs are highly competitive—the cost of a QU education is comparable to some state institutions. Our highly personalized academic experience along with our lower tuition costs provides a great value to students and their families.

The student-faculty ratio is 13:1, and the average class size is 20 students.

Alumni
Over 13,000 alumni live in all 50 states and 16 other countries. Approximately 92% of graduates find jobs in their fields or enroll in graduate school within six months of graduation.

Activities
With over 40 clubs and organizations, seven on-campus residence halls, plenty of community service projects, competitive intramurals, a dedicated Campus Activities Board, cross-country mission trips, multicultural events, and 16 D-II sports teams to cheer for, there is always something going on at Quincy—and never a reason to be bored.

Service
Each year 100% of students participate in community service through campus ministry and mission trips.

Housing
A majority of our students live on campus in residence halls, apartments, Greek housing, and suite-style housing. All students are allowed to have cars on campus at no additional cost.

Honors
Our Honors Program offers academically gifted students a creative, stimulating, and challenging course of
study. Academic excellence is promoted through critical thinking, original research, exceptional writing, and public presentation of scholarship. Honors housing offers an opportunity for students to establish a community of learners who share a commitment to education and to one another.

**Study abroad**
Students are encouraged to consider global study. Short-term programs in countries such as Italy and Costa Rica are available as well as semester-long programs in Rome and London. Additionally, Quincy participates in the College Consortium for International Studies, which allows students to choose from 48 programs in 29 countries.

**Technology**
Wireless Internet access is available campus wide, including in every residence hall. There are seven computer labs on campus, each averaging 20 computers and a printer for student use.

**Distinctions**
Quincy was named a 2016–2017 National College of Distinction and a Top 100 Regional University by U.S. News & World Report.

**Real-world experience**
All of our programs include ample opportunities for real-world experiences, from lab work and field trips to internships. Our students gain professional experience in a multitude of opportunities:

- Spend a week exploring the Galapagos Islands and other tropical destinations for academic credit.
- Work on Missouri Stream Team and Monarch Watch.
- Intern for pay at top-notch local health care institutions.
- Participate in field and lab work, and help with important research projects.
- Join the Pre-professional Club to share goals and experiences and watch professional presentations.

**Pre-medical Sciences**
If you are thinking about a career in medicine, dentistry, optometry, podiatry, osteopathy, chiropractic, occupational therapy, veterinary, medicine, or physical therapy, Quincy University will put you on the road to success. Our Pre-medical Sciences program provides proven preparation in biology, chemistry, and physics. Combined with our Franciscan tradition of caring and our liberal arts foundation, your professional education will make you an incisive decision-maker and a lifelong leader in the field.

Our Pre-medical Sciences curriculum challenges the best and brightest. That’s why our science faculty members, who all hold a PhD, stay with you every step of the way. Whether you’re tackling a tough lab experiment or strategizing for admission to graduate school, the expertise of Quincy’s faculty gives you a winning edge.

Quincy University recommends that Pre-medical Sciences students complete a baccalaureate program in either Biological Sciences or Chemistry. Many medical and dental schools, however, do accept students majoring in other disciplines who have completed a pre-professional sequence in science and mathematics.
At A Glance
• 32 majors
• 38 minors
• 20 new three-year degree programs
• 7 pre-professional programs
• Student-faculty ratio: 10:1
• Full-time faculty: 81
• Full-time faculty with terminal degree: 95%
• Typical average class size: 13
• Female-male ratio: 51:49
• Total enrollment: 1,100+
• Average incoming student high school GPA: 3.27
• Student athletes: 41%
• Clubs and organizations: 50
• Students who receive some sort of financial aid: 99%
• Students who receive merit scholarships: 60%
• Students from 31 states
• Students from 14 foreign countries
• Division III sports: 15

Phi Beta Kappa
Hiram is one of only 10% of colleges and universities with a chapter of Phi Beta Kappa, the oldest and most prestigious academic honor society in the United States.

Social Media
facebook.com/hiramcollege
twitter.com/hiramcollege
instagram.com/hiramcollege

Distinctions
Hiram College is distinctive in its unique term structure, The Hiram Plan. Students complete 12 weeks of traditional course work, take a weeklong break, and finish their academic semester with three weeks of intensive study in a single class, internship, or study away experience. This plan has been described as a near-perfect approach to fostering student learning and engagement.

The Hiram Connect Initiative links course work, internships, study away explorations, and hands-on learning opportunities. Students are led to reflect upon their academic experiences, helping them to determine what they want to do professionally and who they want to be personally.

Hiram provides pathways to prestigious graduate programs in medicine, dentistry, veterinary medicine, pharmacy, engineering, and law. Our Hiram Health Initiative supports a campus culture of health and wellness and provides an environment that prepares health professionals to enter the workforce as compassionate caregivers.

Science and engineering at Hiram College
Nearly half of the majors offered at Hiram College focus on science, engineering, or health professions. At the heart of these programs, small classes, investigative research, and other experiential learning opportunities prepare students as undergraduates to emerge as qualified, skilled professionals and graduate students.

Hiram health
Eighty-one percent of Hiram College graduates who apply to medical school are accepted—nearly double the 45% national average. For veterinary school, 90% of Hiram applicants are admitted, versus the 50% national average.

Hiram’s applied science curriculum, small classes, and faculty advising prepare aspiring nurses, physical therapists, physicians, dentists, occupational therapists, and other health professionals with a foundation of compassionate caregiving. Hiram’s first-in-the-nation Biomedical Humanities major gives students exactly what graduate programs look for beyond
grades and test scores. Each student completes two internships (job shadowing and research), two service courses, a strong science core, and one-of-a-kind courses in the medical humanities.

Hiram’s direct-entry Nursing program prepares its BSN students to be clinically competent, ethically grounded, and socially and culturally responsible nurses. Students learn the scientific skills necessary to be knowledgeable health care providers and gain clinical experiences that prepare them to be leaders in the field. Nursing students choose Hiram for its small classes, state-of-the-art facilities, nearby world-renowned clinical facilities, eligibility to apply for the National Registered Nurse Licensure Exam upon graduation, and 80% NCLEX pass rate.

Hiram College’s newest major, Integrative Exercise Science, prepares students with a strong core of exercise science, biology, and biomedical humanities courses. This foundation equips students with the course work and experience they need to advance into a variety of health professions. Students may also complete a minor to complement their professional goals or a sports health concentration to prepare for graduate-level medical and allied health programs.

Dual Engineering: 3+2 degree

Hiram College’s dual-degree Engineering program prepares students to be successful engineers by emphasizing a strong science core, problem-solving, and communication skills. Hiram’s dual Engineering program draws students who want to complete degrees in two diverse disciplines; they acquire robust scientific skills while also developing a strong liberal arts knowledge base with a foundation in critical-thinking, leadership, and effective communication skills.

CARD #2694 ADDRESS Admission Office, PO Box 96, Hiram, OH 44234 PHONE 800-362-5280 WEBSITE hiram.edu E-MAIL admission@hiram.edu
Think about everything you want from a college experience. Wrestling with big ideas, expanding your world, and discovering your passions. Living in an iconic American city buzzing with opportunity and adventure. Joining a tight-knit community that feels like home and becomes like family. You’ll find all of this and more at the University of Pittsburgh. It all comes together here.

At Pitt you have access to 100+ majors, minors, and certificates; guaranteed internships at world-class corporations and organizations; undergraduate research projects alongside faculty who are changing the world; and a community of fellow students who are just as curious and ambitious as you are. You’ll be amazed by how a top 100 research university can put so much within reach—in ways that feel truly individualized. Build the knowledge, experience, and expertise you need to succeed in the future you want.

#MyPittStory
Want to know what it’s like to be a Pitt student? Follow our Pitt Student Voices team for an inside look at life at Pitt from a variety of unique perspectives. Follow these Pitt students on Instagram and Twitter for a glimpse into their day-to-day life in class, on campus, and exploring the city of Pittsburgh. Use #MyPittStory to find and follow them!
#1 for Health Professions: In 2015 USA Today named Pitt the best US college to study health professions. Pitt is consistently ranked among the top 100 research universities in the world and is third among public universities for federal research funding.

True Value: For 10 consecutive years, the University of Pittsburgh has been named the top value among public colleges and universities in Pennsylvania by Kiplinger’s Personal Finance. Considering the knowledge and experience you’ll get, an education at Pitt is time well spent.

The City Is Your Campus: Called the “most livable city” by Forbes and The Economist, Pittsburgh is a city you will be happy to call home.

Medical School—Guaranteed: Pitt applicants are automatically reviewed for guaranteed admission to one of our 13 top-ranked graduate and professional schools, including Communication Science, Dental Medicine, Health Information Systems, Medicine, Nursing, Nutrition and Dietetics, Occupational Therapy, Pharmacy, Physician Assistant, Physical Therapy, and Public Health. The Medical School guarantee is our most competitive, and the application deadline is December 1.

Think + Do: Challenge yourself in rigorous academic courses. Do research alongside professors who are making a difference in their field of study. Gain clinical experience at more than 550 sites. You will leave Pitt with the knowledge and confidence that only comes with experience.

Ready for Graduate School: Pitt health professions advising staff are with you from day one, and they are committed to helping you prepare for medical school or other graduate programs in the health professions.

Great Minds Up Close: Pitt has a 14:1 student-faculty ratio and a commitment to research and teaching. Our outstanding faculty thrive on sharing their expertise in the classroom. At Pitt you are never far from big thinking.

Experience the World: Last year 1,707 Pitt students packed their bags to research, intern, and study in more than 75 countries around the world. The University Center for International Studies brings the world to you through academic programs and outstanding global events on campus.

Panther Community: At graduation you’ll join a worldwide network of more than 303,000 powerful Pitt alumni. A Pitt degree will take you places, from landing that first job (87% of alumni are employed full time or enrolled in graduate school within six months) to taking the lead in business, medicine, government, and research around the world.

Hail to Pitt: Much more than a rallying cheer for Pitt’s 17 Division I sports teams, Hail to Pitt is an expression of pride and affection for a place where you can have it all: the excitement of urban living with 450+ acres of green space, career-boosting internships, quiet nights studying in the Hogwarts-like Cathedral of Learning, academic rigor, and unforgettable memories with an unapologetically fun student body.

Health Science Majors at Pitt
- Athletic Training*
- Bioengineering
- Bioinformatics
- Chemistry (Bioscience Track)
- Communication Science*
- Doctor of Pharmacy*
- Emergency Medicine*
- Health and Physical Activity*
- Health Information Management*
- Health Services, Bachelor of Arts*
- Health Services, Bachelor of Science*
- Microbiology
- Molecular Biology
- Natural Sciences (Pre-med Track)*
- Neuroscience
- Nursing
- Nutrition and Dietetics*
- Rehabilitation Science*
- Social Work
- Sociology

* Students in these programs start out in the Dietrich School of Arts and Sciences and apply to transfer into the major program in their junior year once they have earned the necessary prerequisites.

New School of Computing and Information
Pitt has announced a new School of Computing and Information, which will begin enrolling students in fall 2017. The School combines the former Computer Science program and the School of Information Sciences and will offer a variety of academic programs that merge computing and information expertise with academic disciplines across campus. The focus will be on discovery and entrepreneurship driven by technology.

#H2P
As one of West Virginia’s oldest public universities, Marshall University’s roots run deep. Yet our vision is focused on providing world-class learning opportunities for students from across the country and around the word.

Here you’ll discover a commitment to teaching, high-level research, and professional training that will prepare you to thrive in the world. You’ll join a community where you’ll be part of something larger than your own ambitions. You’ll find a sense of belonging and encouragement that will help you achieve your full potential. You’ll discover what it means to be one of the Sons and Daughters of Marshall.

History, tradition, and values
At Marshall University we’re proud of our history, which began with the founding of Marshall Academy in 1837. The academy was named in honor of John Marshall, the fourth Chief Justice of the US Supreme Court (1801–1835).

As the longest-serving Chief Justice in US history, John Marshall helped establish the Constitution as the basis of the American legal system. Today the Sons and Daughters of Marshall exemplify Justice Marshall’s values: independence, initiative, achievement, ethical integrity, and commitment to community through association and service.

Closer Than You Think!
Marshall’s Huntington campus is within 250 miles of many major cities, including Indianapolis, Indiana; Cleveland and Cincinnati, Ohio; Louisville, Kentucky; Charlottesville, Virginia; Knoxville, Tennessee; Pittsburgh, Pennsylvania; and Charlotte, North Carolina.
Growth and development
There’s never been a more exciting time to be a part of the growing community at Marshall University. New facilities include the Visual Arts Center in the heart of downtown Huntington, the Chris Cline Athletic Complex housing the MU Sports Medicine Institute, and the Arthur Weisberg Family Applied Engineering Complex, home of our programs in Engineering, Computer Science, Safety Technology, and Digital Forensics.

Marshall’s degree programs are expanding as well with the addition of undergraduate degrees in Sports Management and Electrical/Computer Engineering and graduate degrees in Social Work, Biomechanics, and Jazz Studies, among others. Faculty and administrators at Marshall University continually evaluate our program offerings to ensure our students have the best opportunities to pursue their educational and career goals.

A quality, affordable education
Marshall University prides itself on the quality of the education our students receive, and our faculty and students embody excellence in all they do. We have the nation’s top Forensic Science master’s degree, and Nursing and Engineering programs whose students regularly pass their licensure exams at rates that beat the state and national averages.

Our tuition and room and board charges are below national averages, and our non-competitive scholarships are automatically awarded to qualified students starting with a 3.0 GPA and 20 ACT composite score (or equivalent SAT score). Generous need-based aid is also available for Pell-eligible students, and the application process is easy. Simply apply for admission and submit the FAFSA, and you’ll be fully considered for our merit- and need-based programs!

Join the #MarshallUFamily
You have many things to consider in your college decision, all while trying to make the most of your high school years and juggling responsibilities like work, extracurricular activities, and, of course, your classes! But the faculty and staff at Marshall University want you to make sure you make time to come visit us. Tour our campus. Sit in on a class. Have lunch in one of our dining halls. We’re convinced that if you do, you will see just what it means to be one of the Sons and Daughters of Marshall.

Learn More About Marshall Online!

Office of Recruitment: marshall.edu/recruitment
Admissions: marshall.edu/admissions
Housing: marshall.edu/housing
Majors: marshall.edu/home/degrees
Costs and Aid: marshall.edu/netprice
Social Media:
Facebook: facebook.com/marshallu
Twitter: @marshallu
YouTube: youtube.com/user/herdvideo

CARD #3340 ADDRESS Office of Recruitment, One John Marshall Drive, Huntington, WV 25755 PHONE 877-464-3731 WEBSITE marshall.edu
E-MAIL recruitment@marshall.edu
The NYU Tandon School of Engineering combines city life, a diverse student body, and outstanding technology-focused degree programs. It enrolls 2,286 undergraduates from across the United States and 60 countries around the world.

The NYU Tandon School of Engineering builds upon a historic legacy that began in 1854 in Brooklyn, New York. Among Tandon’s faculty and graduates are Nobel Laureates, notable inventors, astronauts, world-class scientists, and successful entrepreneurs.

Academics
The Tandon School of Engineering’s academic model is based on a paradigm of invention, innovation, and entrepreneurship. The academic program is designed to transform ideas into action. In addition to traditional engineering disciplines, Tandon offers cutting-edge programs for future leaders in Cybersecurity, Digital Media, Business Technology, Sustainable Urban Environments, and Biomolecular Science. All of its majors provide practical experience along with theory.

After freshman year, students may apply to the BS/MS program, where undergraduates have the opportunity to earn a bachelor’s and master’s degree in four years.

Tandon students take advantage of all NYU resources. They take electives and minors across NYU’s other undergraduate programs, collaborate with professors in cross-institutional research, participate in study abroad programs, and pursue internships through the Wasserman Center for Career Development.

With professors who are both scholars and practitioners, Tandon offers a rigorous, challenging education. Undergraduates enjoy a 10:1 student-faculty ratio, receiving individual attention and mentorship that fosters academic growth and networking for professional careers.

Resources
The Tandon School of Engineering boasts cutting-edge research facilities and technological resources, including modern laboratories, studios, galleries, and smart classrooms. Students share ideas in green space and “PolyPods”—nontraditional learning spaces encouraging impromptu collaborations and discoveries—and learn to protect against hacking at our weekly hacknights. A new Maker Space brings 3-D printing and scanning technology to the school. The campus provides two high-tech residence halls and guarantees housing for all four years. The surrounding area, known as the “Brooklyn Tech Triangle,” is America’s most up-and-coming innovation center, home to over 500 creative and tech companies generating more than 10,000 jobs.

Tandon operates four technology business incubators, providing resources to launch successful startups where more than 300 students intern. Our faculty, students, and alumni also lead tech ventures among other aspiring companies.

Campus life
The Tandon School of Engineering offers the best of both worlds: students enjoy the social and recreational activities at both the dedicated School of Engineering in Brooklyn and NYU’s campus in Greenwich Village. Student organizations, fraternities and sororities, and clubs provide a social atmosphere for developing leadership skills and lifelong friendships.

Financial aid
NYU Tandon School of Engineering applicants will be considered for all possible NYU financial aid—including need- and merit-based scholarships—if they fill out the CSS Financial Aid PROFILE, the Noncustodial Parent PROFILE (if applicable), and the FAFSA. Undergraduate tuition for the 2016–2017 school year was $46,500–$54,000.
All students who use one of the two response options described in this magazine and meet the eligibility requirements set forth in the official rules are eligible to participate in this sweepstakes. You do not need to complete a separate application for this scholarship.

No purchase necessary to enter or win. A purchase will not improve your chances of winning. Void where prohibited by law. Open to all college-bound students who: (a) are 13 years of age or older; (b) have registered on one of the following websites: science.collegexpress.com or collegexpress.com; and (c) will be entering college for the first time and have been accepted as a full-time freshman or transfer student for the applicable fall academic term at a participating college or university.

Limit of one entry per person. Enter by using only ONE of the response options described in this magazine. Entering by using more than one method will not increase your chances of winning. Starts June 1, 2016, and ends May 1 of each winner’s senior year. Odds of winning depend on number of eligible entries received. Be advised that the scholarship award is paid directly to the participating institution and not to the winner. A list of participating colleges and universities along with the complete official rules and further details are available by:

a. Logging on to science.collegexpress.com or collegexpress.com,

b. E-mailing us at scholarship@carnegiecomm.com if you would like us to e-mail or fax the list to you, or

c. Sending a self-addressed stamped envelope to:
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Find the school that completes you and register for a chance to win a $10,000 scholarship that could help finance your college education!

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