

SCHOOL OF ENGINEERING

PROGRAMS

HOME OF
THE NON-CONFORMIST

ENGINEERING @ ATLANTIS UNIVERSITY A CAREER GUIDE FOR NON-CONFORMISTS



ARE YOU READY TO
BECOME AN ATLANTEAN?



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A BRIEF INTRODUCTION

ENGINEERING [EN-JUH-NEER-ING]

Engineering is a unique field, one that defies the traditional conventions of 9-to-5 jobs. Engineers are, as a result, nonconformists by nature. They don't settle for the way things are currently done: they're always looking for new ways in which to build a better world. Everything around them—every building, every computer, every machine, every road—has the potential to be improved.

noun: a branch of science and technology that focuses on designing, building, and using different kinds of engines, machines, and structures*
*as defined by Oxford University

TO GIVE YOU AN IDEA OF JUST HOW MUCH THE ENGINEERING LANDSCAPE, TAKE A LOOK AT THIS.

Previously, it was said that there were four “major” engineering branches. But nowadays, many experts agree that number has grown to six, at the very list:

- Mechanical Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Management Engineering
- Geotechnical Engineering

...And these are just some of the most recognizable branches. That's not even counting the dozens of sub-categories that fall into each one.



**SOME PEOPLE ONLY
SEE PROBLEMS.**

**BUT ENGINEERS
ARE THE ONES
WHO LOOK FOR SOLUTIONS.**

IT'S EASY TO COMPLAIN. ANYONE CAN DO IT.

It's not hard to look around us and see issues with the way we live, work, and travel... But engineers are the ones who take action. Because at the end of the day, the best way to solve the problems that surround us is to use math, science, and tech to construct a better world.

NOW THAT WE'VE SET THE STAGE...

If these are the kinds of things that inspire you, and you're looking to get started with an engineering career, look no further.
This is where we come in.

**JOIN US AS WE WALK DOWN THIS YELLOW BRICK ROAD TOGETHER.
WHAT'S OUR FINAL DESTINATION?**

**THE AU SCHOOL OF ENGINEERING:
A PLACE WHERE YOU'LL FIND THE MOST
COMPETITIVE AND ADVANCED PROGRAMS
IN THE FIELD.**

× × × GET TO KNOW

WE'RE ENGINEERING THE CAREERS OF THE FUTURE.

THE ATLANTEAN ADVANTAGE

WHAT MAKES OUR SCHOOL OF ENGINEERING STAND OUT?
WHAT WILL YOU DISCOVER HERE THAT YOU CAN'T FIND ANYWHERE ELSE?

We approach higher education differently. We call ourselves “nonconformists” for a reason, after all. AU focuses on hands-on experiences and making the most of all the technologies at our disposal. Whether you’re pursuing an undergraduate or graduate program, we’ll empower your degree with benefits like these:

- State-of-the-art tech tools.
- Innovative educational strategies.
- Immersive online programs.
- Degrees offered in English and Spanish.



THIS IS WHAT WE STAND FOR

MISSION:

We recognize the engineering field as a competitive and challenging one. We believe that the best way to guarantee engineering students' success, is by offering them robust educational curriculums that impart the industry's most sought-after skills.

VISION:

To provide an in-depth, interdisciplinary education in engineering principles that is built upon an integration of mathematics, computing, and life sciences.

OUR FACULTY IS COMPOSED OF LEADING INDUSTRY EXPERTS.

So you can rest assured, knowing that you're receiving a great education that includes the most relevant information and the best practices in the engineering field.



STILL READING? STILL INTERESTED?
KEEP ON GOING FOR MORE.

THE 5 W'S?

WHO

THE FIVE W'S OF STUDYING ENGINEERING AT AU

OUR FACULTY

Our professors are our most valuable asset. They come to our campus, from all over the world, in order to teach our students the latest innovations and practices within the engineering industry.

Individualized testing, group projects, networking workshops, and everything in between. Our teaching staff will guide you every step of the way. Because they want you to accomplish all the academic goals you set for yourself as a student, of course... But make no mistake. They also want to see you thrive in all your personal pursuits, as well.

With decades of practical experience in the engineering market, our faculty members are highly trained and committed to helping you reach your potential.

WHAT

DEGREES AND OPPORTUNITIES

At AU, we know that theory is just as important as practice. Yes, you'll do reading and you'll do tests... After all, that's part of the college experience! But you'll also get real-world opportunities to apply that knowledge. Thanks to workshops and networking events, you'll get the chance to start making your mark in the engineering industry without having to wait until graduation.



WHEN

WHEN THE TIME IS RIGHT FOR YOU

The pursuit of a college education looks different for every person. There are about as many educational paths as there are students!

That's why AU holds, with the firmest conviction, an Accelerated Learning philosophy. Our programs are designed in such a way that the time that it takes to complete your degree could be half the national average. What that means is that you could earn an undergraduate degree in 29 months or a graduate degree in 12 months (or less, if you have credits to transfer).

THE 5 W'S?

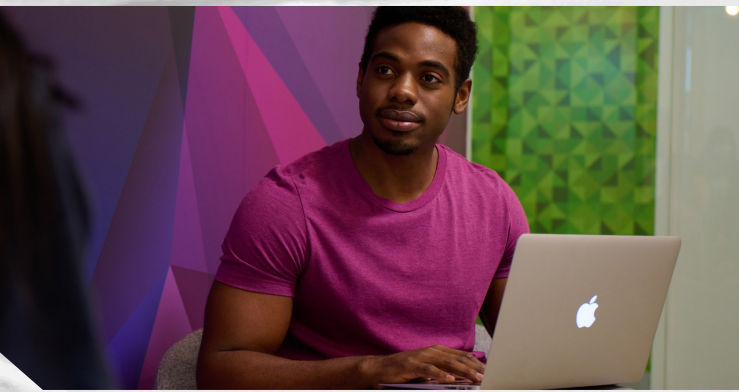
WHERE

A GLOBAL CAMPUS

Offering a digital education is easier said than done. But AU is currently doing it. As a matter of fact, we have been doing it for a while now. This is what we call our Global Campus.

Over the course of many years, we've become experts in technology and online education. We make sure to make the most of all of the tech tools at our disposal... And we do this for you. Because we want to guarantee that you're able to take your classes online (without losing the on-campus experience)

With our Global Campus, you can take advantage of all the same resources that you would find at our Miami location. So if you can't come to us, don't worry. You can stay connected wherever that life takes you.



THE 5 W'S?

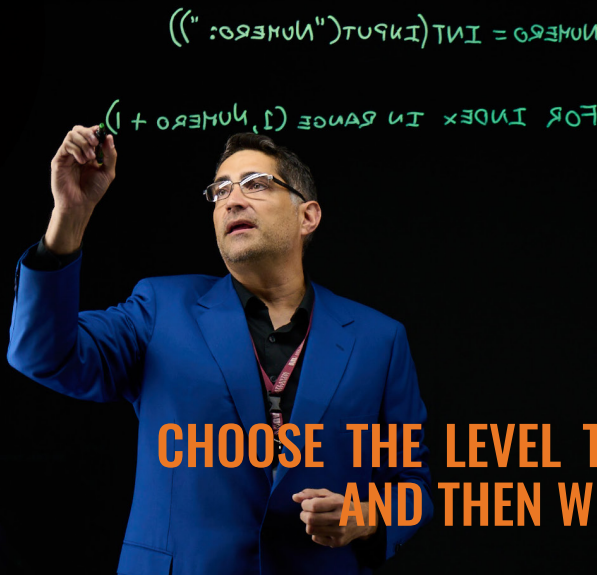
THE HOW

...AND YOU DIDN'T THINK WE WOULD FORGET ABOUT THE "HOW", RIGHT?

THIS IS HOW WE OFFER A VALUABLE EDUCATION:
BY OFFERING A SELECTION OF SPECIALIZED DEGREES THAT WILL
SUIT YOUR EDUCATIONAL NEEDS.

Maybe you're a first timer, or maybe this isn't your first rodeo...
Either way, it's A-OK. We offer programs across two educational levels.
Whether you're a freshman getting a Bachelor's Degree –or an experienced
professional looking for an advanced program– we're here to support you.
Choose the level that works best for you and we'll do the rest.

The School of Engineering has programs across two educational levels:
undergraduate and graduate degrees. Whether you're an incoming freshman
getting your first degree (or a professional looking for a new one to add to
your resumé), we're here to support your journey.



**CHOOSE THE LEVEL THAT WORKS BEST FOR YOU
AND THEN WE'LL TAKE CARE OF THE REST.**

UNDERGRADUATE STUDIES

THE HOW



BACHELOR'S DEGREE IN ARTIFICIAL INTELLIGENCE: COMPUTER ENGINEERING IS IN MANY WAYS, AN ART.

The art of turning technology into systems for control, computation, and communication. Explore the basics of AI and perfect your tech skills so that you can solve the real-world problems of tomorrow, today.

BACHELOR'S DEGREE IN CLOUD COMPUTING:

This is your chance to get a thorough grounding in the practices of computer engineering, applied specifically to cloud infrastructure. This program is unique in the way in which it emphasizes problem-solving skills. As a result, this works as an excellent background for any and all future engineers.

BACHELOR'S DEGREE IN CYBER INTELLIGENCE: WHAT'S THE SECRET TO DEALING WITH CYBER SECURITY THREATS? THAT'S EASY:

Prevent them from ever occurring in the first place. Sounds impossible, but over here at AU, we know that it's not. This concentration will give you the tools you need to apply scientific and mathematical principles to computer engineering in the context of cyber-security. Don't wait any longer to become a cyber know-it-all, in the best way.



UNDERGRADUATE STUDIES

BACHELOR'S DEGREE IN DATA ANALYTICS:

THIS ENGINEERING DEGREE WITH AN ANALYTICS CONCENTRATION IS NOTHING SHORT OF A MATCH MADE IN HEAVEN.

It combines theory and training, hardware and software— in summary, everything you could ever hope to learn in order to become a tech expert.

BACHELOR'S DEGREE IN SOFTWARE DEVELOPMENT:

FINALLY: A DEGREE FOR THE DOERS OF THE WORLD, FOR THOSE OF IT WHO ARE PASSIONATE ABOUT DEVELOPING THE SOFTWARE(S) OF THE FUTURE.

Enhance the capabilities of networks and communications systems through the power of a balanced, well-rounded education.

One that recognizes the importance of balancing software development and hardware construction.

GRADUATE STUDIES

MASTER'S DEGREE IN COMPUTER ENGINEERING:

HERE'S WHAT OUR POSTGRADUATE COMPUTER ENGINEERING DEGREE CAN DO FOR YOU.

It can get you ready to pursue a career in communications, government, education, software development, and a broad catalog of other industries. It can prepare you to become a successful engineer, scientist, or educator. But perhaps the most significant thing you'll learn through this degree is the power of acquiring flexible skills in such an ever-changing tech landscape.





CAREER SERVICES

THERE'S A JOB OUT THERE WITH YOUR NAME ON IT

AU doesn't just give you access to a high quality education.

No, we go above and beyond what's expected of us, because we know how the real world works.

Out there, getting a degree is only the first step. In order to actually get an internship or job, you need someone to help you revise your resumé or prepare you for interviews.

**AT THE AU CAREER CENTER,
WE GO ABOVE AND BEYOND
TO HELP YOU EVERY STEP OF THE WAY.**

YOUR PATH TO SUCCESS

The placement services we have available will play an active role in your Atlantean journey: from the day you arrive, to the day you graduate.

Maybe right now you're trying to get ready for your first internship, or a job interview. Or you want to improve your networking skills. Whatever it is that you need in order to advance your path towards employment, the AU Career Center is here to help.

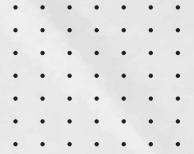
What are the leading trends in the engineering industry? What will the labor market look like in the next few years? And most importantly, what are employers looking for in potential employees?

DID YOU KNOW THAT...

...The projected employment growth for engineering for the next decade is an increase of 140,000 new jobs?

...Around 23% of these new jobs are projected to be for civil engineers, the largest engineering occupation?

...The manufacturing industry alone employs over 578,000 engineers? This career path includes the production of computer products, electronic products, transportation equipment, machinery, and more.



WHERE DO WE GO FROM HERE?

TAKING THE NEXT RIGHT STEPS



**OH, YOU MADE IT TO THE LAST PAGE. NICE!
THANKS FOR COMING ALONG FOR THE RIDE WITH US...**

YOU'RE IN THE HOMESTRETCH NOW, WHICH MEANS YOU ARE THAT MUCH CLOSER TO JOINING THE ATLANTHEAN FAMILY OF ENGINEERS.



**LET'S KEEP THAT MOMENTUM GOING!
HERE'S A BREAKDOWN OF WHAT OUR
ADMISSIONS PROCESS LOOKS LIKE.
IT'S JUST 5 EASY STEPS:**

- 1** **Complete our Admission's Application.**
Make sure to double-check the list of required documents that you'll be needing in order to complete your application.
- 2** Set up a friendly phone (or Zoom) interview with us. That way we can get to know each other better. You can also call before submitting your application, in case you have any questions.
- 3** Wait for your admission's notice.
- 4** Set up a meeting with our Financial Aid Department. There might be grants and extra benefits that you could potentially qualify for.
- 5** Last but not least: Celebrate your arrival!

WE SALUTE YOU AS A **NON-COMFORMIST.
WE CONGRATULATE YOU AS A **NEW ATLANTHEAN**.
WE WELCOME YOU HOME!**



VISIT, CALL, OR CLICK!

VISIT:
**WE WANT TO
MEET YOU!**

**AU UNIVERSITY PARK
1011 SUNNYBROOK ROAD
MIAMI—FLORIDA 33136**

CALL:
**TOLL-FREE,
OF COURSE**

+1 (855) 287-3347



CLICK:
LET'S CONNECT ONLINE

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