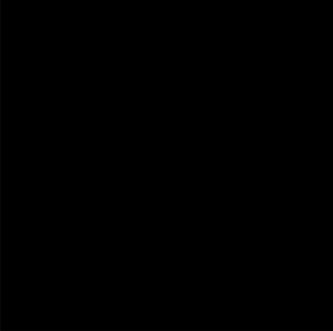




THE ARCHITECTURE SCHOOL SURVIVAL GUIDE

AN INSIDER'S GUIDE TO
UNIVERSITY AT BUFFALO
SCHOOL OF ARCHITECTURE AND PLANNING

FIND THIS GUIDE AT <http://ap.buffalo.edu/aias>



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THE ARCHITECTURE SCHOOL SURVIVAL GUIDE

WELCOME!

CONGRATULATIONS ON MAKING IT TO ARCHITECTURE SCHOOL!

This AIAS School Survival Guide is designed to help you not only **survive** but **THRIVE** in architecture school. Inside you will find information on architecture tools, contact information and locations of nearby campus resources, helpful tips and tricks, and more!

Also, like most of your fellow classmates, you probably have a few fears about what you are about to go through in architecture school; but have no fear! The School Survival Guide is here - to dispel all of those terrible stigmas and show you how to actually get some sleep!



**“AS AN ARCHITECT
YOU DESIGN FOR THE
PRESENT, WITH AN
AWARENESS OF THE
PAST, FOR A FUTURE
WHICH IS ESSENTIALLY
UNKNOWN.”**

NORMAN FOSTER

LETTER FROM YOUR PRESIDENT

ON BEHALF OF AIAS UNIVERSITY AT BUFFALO, WELCOME!

The American Institute of Architecture Students is an international organization whose mission is to advance leadership, design, and service among architecture students to empower voices, ideas, and actions for the future. Our chapter at the University at Buffalo strives to focus on supporting our fellow students with the skills to live a healthy lifestyle and learn work-life balance.

The University at Buffalo AIAS chapter has helped me grow in terms of leadership and also introduced me to the many professionals in and out of Buffalo. I have been able to attend workshops such as Resume Building, firm and site tours, and have even traveled with our members to Seattle, Washington for FORUM.

Every year, we aim to grow our student body closer with one another and to spread mental health awareness. Without you, AIAS would have no reason to exist.

On that note, there are a few things I feel are important to mention to prepare you for what it is you are about to experience:

1. Remember that you come first. Your mind, body, and well-being are important. You have to have a proper fundamental structure to design.

If the gym is not your thing, unroll a yoga mat and stretch a little or grab a buddy and go for a walk. Remember to eat healthily and drink lots of water. If you are seeking support, feel free to talk to your professors or go to one of our on-campus resources. I have used them and they make a huge difference. No one is here to judge you so do not feel weird.

2. Time management is key. Create a schedule and stick to it. Times are going to get rough and you may feel overwhelmed but having a game plan will make you organized.

3. Save, save, save! Quicksave your work as often as you can. Better to save way too many times than to lose your work. Trust me, I have been there and it blows.

Use UB Box whenever possible. You can download it directly to your computer for an easy save to the BOX and sharing files is simple, too. Plus, you can log into it from any device and always have your work around.

4. Be aware of your surroundings. Remember to lock the doors of your studios and the buildings, have a buddy system (esp. when it is dark), and if you have to walk alone, keep your senses available aka unplug headphones. Our UB PD try very hard to keep you and your belongings safe but they cannot be everywhere at once. If you live off-campus, remember to close your windows and lock your doors.

UBPD-716-645-2222

5. Enjoy the little things. The walk to studio may seem like a drag, but when it snows, look at how the snow glistens. If there are flowers out, take in the colors of the leaves and grass. No matter how stressful times may be, there is always a bright side.

Now with that being said, we would like to welcome you to the University at Buffalo, School of Architecture and Planning. Get to know your studio mates because you are stuck with them for the next 4 years (and you will make the most amazing memories with them!) We wish you all the best and know that AIAS is always here to help and support you all. Come join us at our events and keep an eye out on your emails, we send out emails frequently.

Good Luck!

P.S. Buffalo always has some of the most beautiful sunsets.



IZA DABROWSKI

CHAPTER PRESIDENT

YEAR IN SCHOOL: Junior

RESOURCE FOR: If you have designer lock and feel stuck, I am always down to brainstorm. You can usually find me in shop so feel free to approach me!

#1 PIECE OF ADVICE: Don't bottle up your stress. Be vocal.

FAVORITE THING ABOUT AIAS: AIAS gave me the opportunity to learn more beyond my classes and meet people that have helped me grow.

FUN FACT: When not working on studio, you can find me shooting and developing my own film or dancing and shuffling to music.



BETHANY GREENAWAY

CHAPTER VICE PRESIDENT

YEAR IN SCHOOL: Junior

RESOURCE FOR: Reach out to me if you need help with AutoCAD, Rhino, or Revit. I'm also down to talk if you have concerns about school or life in general. I'm from the area so feel free to ask about local resources!

#1 PIECE OF ADVICE: Don't be afraid to speak up for yourself and others. If something doesn't feel right to you, then take action and change it.

FAVORITE THING ABOUT AIAS: There are so many resources and opportunities that have become available to me after joining AIAS. I've been able to travel, meet new people, and have a lot of fun.

FUN FACT: Outside of school, I enjoy making art, reading, and spending time with family and friends!

“FOR ME, ARCHITECTURE IS NOT JUST CREATING A SPACE
TO PROTECT PEOPLE,
BUT TO MAKE THEM DREAM AS WELL.”

MARIO BOTTA



GREGG SCHUSTER

TREASURER

YEAR IN SCHOOL: Junior

RESOURCE FOR: I love making models and if you're ever stuck on a model or not sure where to go with it, I would love to offer some suggestions.

#1 PIECE OF ADVICE: All the work can be overwhelming at first and difficult at times, but just remember every architecture student feels the same way. It is important to not stop doing the things you love to do.

FAVORITE THING ABOUT AIAS: AIAS helped me launch my architectural career with networking opportunities and other professional opportunities.

FUN FACT: When not doing homework, I am probably playing or watching sports.



LAUREN BECKINGHAM

SECRETARY

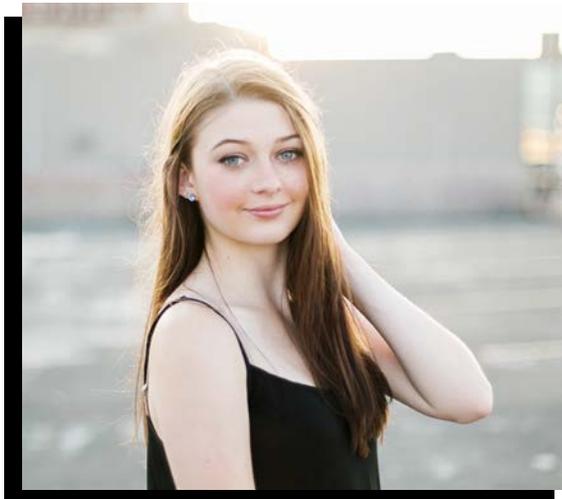
YEAR IN SCHOOL: Junior

RESOURCE FOR: If you need help with programs and drawings, come find me!

#1 PIECE OF ADVICE: Be sure to take time for yourself and do something fun outside of school. Now is the time to take it all in. Also, talk to your classmates and upperclassmen about each others work. It really helps you not only explain your work but to also be inspired.

FAVORITE THING ABOUT AIAS: AIAS got me more involved around school and the community. It has expanded my comfort zone and has helped me learn new skills and meet people.

FUN FACT: When I'm taking a break from homework, I like to downhill ski and hike.



“EVERY GREAT ARCHITECT - IS NECESSARILY - A GREAT POET. HE MUST BE A GREAT ORIGINAL INTERPRETER OF HIS TIME, HIS DAY, HIS AGE.”

FRANK LLOYD WRIGHT





PETREEN THOMAS

EVENTS COORDINATOR

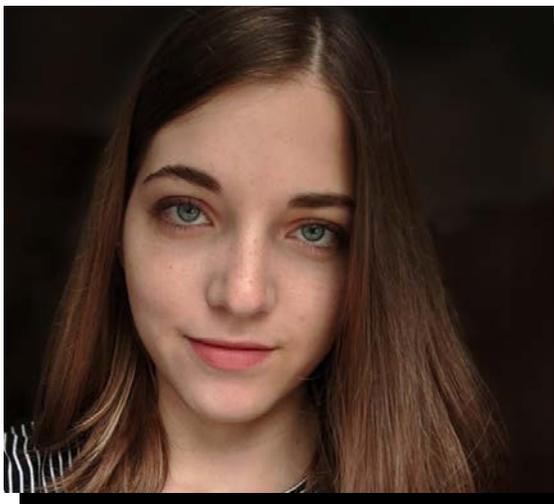
YEAR IN SCHOOL: Junior

RESOURCE FOR: If you need help with InDesign, Illustrator, CAD, NCARB, or just need someone to talk to, I'm your gal. But whether or not I'm an expert at it, never hesitate to ask me for help with something. I'll try to help you as best as I can. :)

#1 PIECE OF ADVICE: Leave now while you can! But all jokes aside, don't compare your work to other people's work. See others as inspiration, not as competition. Don't belittle your hard work because you deserve to be here just like everyone else, never forget that!

FAVORITE THING ABOUT AIAS: AIAS has always provided me with a space to have fun while growing and connecting with others and architecture.

FUN FACT: I'm double-jointed!



MORGAN MANSFIELD

PROFESSIONAL COMMITTEE HEAD

YEAR IN SCHOOL: M. Arch

RESOURCE FOR: If you're looking for feedback on drawings, models, etc. let me know! I love hearing about everyone's studio work and can give you some pointers if you're looking for help.

#1 PIECE OF ADVICE: Talk to other students about your work! There's a lot you can learn about your own projects just by talking through it, and someone else can give you a different perspective on something you're struggling with.

FAVORITE THING ABOUT AIAS: AIAS has been a great way to get involved outside of classes, and meet others who are passionate about architecture.

FUN FACT: I love painting in my free time.

“LET US TOGETHER CREATE THE NEW BUILDING OF THE FUTURE, WHICH WILL BE EVERYTHING IN ONE FORM: ARCHITECTURE AND SCULPTURE AND PAINTING.”

WALTER GROPIUS



ROCCO BATTISTA

FUNDRAISING COMMITTEE HEAD

YEAR IN SCHOOL: Junior

RESOURCE FOR: I'm a great resource for CAD, Illustrator, Photoshop and Rhino. Don't forget about the Architecture Library for more resources.

#1 PIECE OF ADVICE: Don't neglect your physical or mental health. Both are key elements to your productivity.

FAVORITE THING ABOUT AIAS: AIAS introduces me to a network of support and resources.

FUN FACT: If I'm not in studio, I like to spend my free time hiking.



ROBERTO DIURNO

SOCIAL DIRECTOR

YEAR IN SCHOOL: Junior

RESOURCE FOR: If you're looking for help with programs, I can be helpful with the Adobe Suite, CAD and Rhino! I may not be an expert at something, but don't hesitate to ask and I'll try to help you to the best of my ability!

#1 PIECE OF ADVICE: While studio may feel like the top priority, don't forget about your health, both physical and mental. It's easy to get wrapped up in work and due dates, but taking a break and doing the things you enjoy will make you feel better, which will affect your projects positively as well.

FAVORITE THING ABOUT AIAS: AIAS has been a great way to network and meet professionals in the field.

FUN FACT: I speak 4 languages.



“ARCHITECTURE TENDS TO CONSUME EVERYTHING ELSE, IT HAS BECOME ONE’S ENTIRE LIFE.”

ARNE JACOBSEN



LOOKING FOR SOMETHING?

OUR ADMINISTRATION AND FACULTY ARE HERE TO HELP!
HERE ARE SOME OF THE PEOPLE YOU CAN GO TO FOR QUESTIONS OR CONCERNS.
Head to buffalo.edu/content/ap/people/faculty to learn about more of your faculty!



KORYDON SMITH, EdD

PROFESSOR AND CHAIR

OFFICE: 127 Hayes Hall
EMAIL: khsmith@buffalo.edu

Korydon Smith is the Chair of the Department of Architecture and is a professor for freshman studio and advising thesis projects. Questions about how your path through college is structured? Kory is very helpful for learning more about how to plan your course from Freshman Year all the way until earning your Master's Degree.



JOYCE HWANG

ASSOCIATE PROFESSOR/ASSOCIATE CHAIR

OFFICE: 127 Hayes Hall
EMAIL: jh96@buffalo.edu

Joyce Huang is the Assistant Chair of the Department of Architecture, and is interested in exploring creative ways in which buildings can be fully incorporated into the natural world. Go to her to learn about animal architecture, or to gain some insight into the world of internships, competitions, awards, and more! (Also: don't miss her emails to the ARC List - she showcases lots of amazing opportunities for you to take advantage of!)



NICHOLAS RAJKOVICH, PHD, AIA

PROFESSOR/AIAS+ASHRAE FACULTY LEAD

OFFICE: 316 Hayes Hall
EMAIL: rajkovic@buffalo.edu

Nick Rajkovich teaches undergraduate courses on building systems covering lighting, acoustics, HVAC, and more. In addition, he is passionate about the impacts of climate change on the built environment, and teaches graduate courses in Ecological Practices. He is also the faculty advisor to both AIAS and ASHRAE, so he is definitely the go-to for any questions on getting involved in these groups!

LINDSAY ROMANO

DIRECTOR OF FABRICATION

OFFICE: 8 Parker Hall
EMAIL: Infolger@buffalo.edu

Anything related to the B/A+P Shop or FabLab, Lindsay is the person to go to! If she can't help you directly, she will point you in the direction of knowledgeable staff to help you with whatever you need - anything from lasercut, CNC, or 3D print submissions to any questions on the shop equipment or what materials to use.



GREGORY DELANEY

CLINICAL ASSISTANT PROFESSOR
DIRECTOR OF RECRUITMENT

OFFICE: 128 Hayes Hall
EMAIL: gdelane@buffalo.edu

Greg is a designer and historian, teaching both architecture and planning studio courses as well as core history and theory classes. If you are interested in study abroad or domestic travel trips to see amazing architecture, he can tell you all about his intense student trips and let you know how to get involved! (Also: talk to Greg if you're interested in giving campus tours!)



STEPHANIE CRAMER

ADJUNCT INSTRUCTOR

OFFICE: 324 Crosby Hall
EMAIL: slcramer@buffalo.edu

Stephanie Cramer has worked and taught in various places around the world, and has a deep interest in design-build, and self-build architectural experiments. If you're ever struggling with how to make something in studio, or want feedback on your drawings, Steph's door is always open for drop-in conversations with students!



BETH TAUKE

ASSOCIATE PROFESSOR

OFFICE: 216 Hayes Hall
EMAIL: tauke@buffalo.edu

Beth Tauke teaches a range of courses exploring inclusive design, and has written any publications on the subject. She is an advocate for design and diversity classes in architecture schools, and recognizes it as a necessity to learn about in the 21st century. Beth is also involved in education courses that allow you to teach children in Buffalo schools about architecture!



LOOKING FOR SOMETHING?

THERE ARE A LOT OF IMPORTANT AND USEFUL SPACES ON OUR CAMPUS.
GET FAMILIAR WITH WHAT THEY CAN BE USED FOR.



ARCHITECTURE PRINT LAB

HAYES HALL

The Print Lab is a place for students to work on, get help with and print their drawings for studio.

HOURS:

SUNDAY: 12pm - 10pm

MONDAY - THURSDAY: 8am - 10pm

FRIDAY: 8am - 5pm

SATURDAY: 12pm - 5pm



FABRICATION LAB

PARKER HALL

The Fabrication Lab is used for purchasing materials and using tools to create models for studio.

HOURS:

SUNDAY - THURSDAY: 10am - 8pm

FRIDAY: 10am - 5pm

SATURDAY: CLOSED



LOCKWOOD CYBRARY

LOCKWOOD LIBRARY

The second floor at Lockwood provides ample amount of computer space and UBIT services is right nearby.

HOURS:

SATURDAY - SUNDAY: CLOSED

MONDAY - FRIDAY: 8:30am - 4:30pm

ARCHITECTURE/PLANNING LIBRARY

ABBOTT HALL

The Architecture and Planning library has thousands of resources focusing on the fields of architecture, design and urban design.

HOURS:
MONDAY - FRIDAY: 9am-5pm
SATURDAY - SUNDAY: CLOSED



UB MAP COLLECTION

LOCKWOOD LIBRARY

The Map Collection is an extensive catalog of various types of maps, useful for studying various sites' topography and other conditions.

HOURS:
MONDAY - FRIDAY: 9am-5pm
SATURDAY - SUNDAY: CLOSED



QUEEN CITY IMAGING

DOWNTOWN BUFFALO

Queen City Imaging offers printing services that are useful for architecture portfolios and booklets showcasing work.

HOURS:
MONDAY - FRIDAY: 9am-4pm
SATURDAY - SUNDAY: CLOSED



THE UPS STORE

ACROSS THE STREET FROM SOUTH

The UPS store offers printing on stonehenge paper, among other printing services.

HOURS:
SATURDAY: 10am-4pm
SUNDAY: CLOSED
MONDAY - FRIDAY: 8:30am-7pm



LOOKING FOR SOMETHING?

REMEMBER THAT YOUR HEALTH AND WELL-BEING ARE IMPORTANT.
TAKE ADVANTAGE OF THE STUDENT RESOURCES DESIGNED TO HELP!



HEALTH SERVICES

MICHAEL HALL

3435 Main Street, South Campus
PHONE NUMBER: # 716.829.3316

Health Services provides high-quality medical services and patient education for all UB Students, including primary care, preventative treatment and specialty services.



COUNSELING SERVICES (SOUTH)

MICHAEL HALL

ROOM # 202
PHONE NUMBER: # 716.829.5800

Counseling Services can help with emotional issues, stress, crisis management and much more to support mental wellness through a variety of services.



COUNSELING SERVICE (NORTH)

STUDENT LIFE - RICHMOND QUADRANGLE

ROOM # 120
PHONE NUMBER: # 716.645.2720



WELLNESS SUITE & SAFE ZONE

STUDENT UNION

ROOM # 114 (by the elevators)
PHONE NUMBER: # 716.645.2837

Enjoy free tea, massage chairs, meditate, and take advantage of other helpful resources.



CHIROPRACTIC CARE

MICHAEL HALL

PHONE NUMBER: # 716.685.9631 (make sure to identify yourself as a UB student)
New York Chiropractic College offers free chiropractic care at Michael Hall for registered UB Students.

LOOKING FOR SOMETHING?

THERE ARE ALSO A LOT OF STUDENT RESOURCES ON OUR CAMPUS. GET FAMILIAR WITH WHERE THEY ARE AND HOW TO CONTACT THEM.



CENTER FOR EXCELLENCE IN WRITING

BALDY HALL

ROOM # 209

PHONE NUMBER: # 716.645.5139

EMAIL: writing@buffalo.edu

<http://www.buffalo.edu/writing/undergraduate.html>

<http://www.buffalo.edu/writing/graduate.html>



TUTORING SERVICE

BLAKE ACADEMIC SUCCESS CENTER - ELLICOTT COMPLEX

ROOM # 167 Fillmore

PHONE NUMBER: # 716.645.2008

JONES ACADEMIC SUCCESS CENTER - GOVERNORS COMPLEX

ROOM # Clinton Hall Basement

PHONE NUMBER: # 716.645.2008

GOODYEAR ACADEMIC SUCCESS CENTER - GOODYEAR HALL

ROOM # 141 Goodyear Hall

PHONE NUMBER: # 716.645.2008

Individual and group tutoring available in: Accounting, Biology, Chemistry, Economics, English, Math & Physics!

Online: http://www.starny.org/tutoring_schedule



PARKING, BILLS, PAYMENTS, TRANSCRIPTS & MORE

NORTH CAMPUS - 1CAPEN

ROOM # 1 Capen Hall

PHONE NUMBER: # 716.645.0001

EMAIL: UBFA@buffalo.edu

SOUTH CAMPUS - 1DIEFENDORF

ROOM # 114 Diefendorf

PHONE NUMBER: # 716.645.8232

EMAIL: UBFA@buffalo.edu



CAMPUS RESOURCES

GET FAMILIAR WITH WHERE OUR CAMPUS AND STUDENT RESOURCES ARE LOCATED.





NEARBY FOOD

A **AMY'S PLACE** \$  **CASH ONLY!**
 3234 MAIN STREET, BUFFALO, NY 14214
 CUISINE: LEBANESE & AMERICAN COMFORT FOOD
 PHONE NUMBER: # 716.832.6666
 SPEED OF SERVICE: ●●●●●
<https://bit.ly/2LOEizu>

B **SATO RAMEN** \$ 
 3268 MAIN ST, BUFFALO, NY 14214
 CUISINE: ASIAN
 PHONE NUMBER: # 716.835.7286
 SPEED OF SERVICE: ●●●●○
<https://bit.ly/2SSsmNW>

C **VENUS GREEK & MEDITERRANEAN** \$ 
 3500 MAIN STREET, BUFFALO, NY 14226
 CUISINE: GREEK AND MEDITERRANEAN
 PHONE NUMBER: # 716.831.8100
 SPEED OF SERVICE: ●●●○○
<https://bit.ly/2YvmCL5>

D **YEY'S CAFE** \$ 
 3225 MAIN STREET, BUFFALO, NY 14214
 CUISINE: SOUTHEAST ASIAN
 PHONE NUMBER: # 716.834.0980
 SPEED OF SERVICE: ●●●●●
<https://bit.ly/2KbXeVu>

E **THE STEER RESTAURANT & SALOON** \$\$ 
 3151 MAIN STREET, BUFFALO, NY 14214
 CUISINE: STEAK HOUSE
 PHONE NUMBER: # 716.838.0478
 SPEED OF SERVICE: ●●●●●
<https://bit.ly/2OsiTy8>

\$ Bang fo' yo buck
 \$\$ Okay let's splurge
 \$\$\$ Better finish my drawings
 for this price

 **VEGAN** vegan

CASH ONLY! cash only

 **UB** accepts campus cash





NFTA BUS AND SUBWAY LINES

UNIVERSITY STATION, UB SOUTH CAMPUS



WEBSITE: metro.nfta.com

STANDARD FARE: \$2 DAILY PASS: \$5 WEEKLY PASS: \$25 MONTHLY PASS: \$75

Trains run regularly from University Station to Canalside. Bus connections are possible from University Station or from other stops near campus. Check schedules for more information.

UB STAMPEDE AND SHUTTLES

MAIN BUS LOOP



WEBSITE: buffalo.edu/parking/getting-around-UB/bus.html

The Stampede bus stops at Goodyear Hall and the main bus loop on UB South Campus. The Blue Line shuttle services UB's South and Downtown campuses. Check schedules for more information.

UB BIKESHARE

MAIN BUS LOOP



WEBSITE: socialbicycles.com

AVAILABLE 24/7

UB PASS: \$10/YR RIDES: \$2/HR

Bikes are a great way to cut down on emissions.

ZIPCARS

TOWNSEND LOT, UB SOUTH CAMPUS



WEBSITE: zipcar.com

AVAILABLE 24/7

Cars are accessible to UB students, faculty, and staff over the age of 18 with a valid driver's license. See website for plans and pricing.

RIDE SHARING

BUFFALO AREA

WEBSITES: lyft.com uber.com

Find local drivers to take you where you need to go.

Ideal for short trips away from campus.

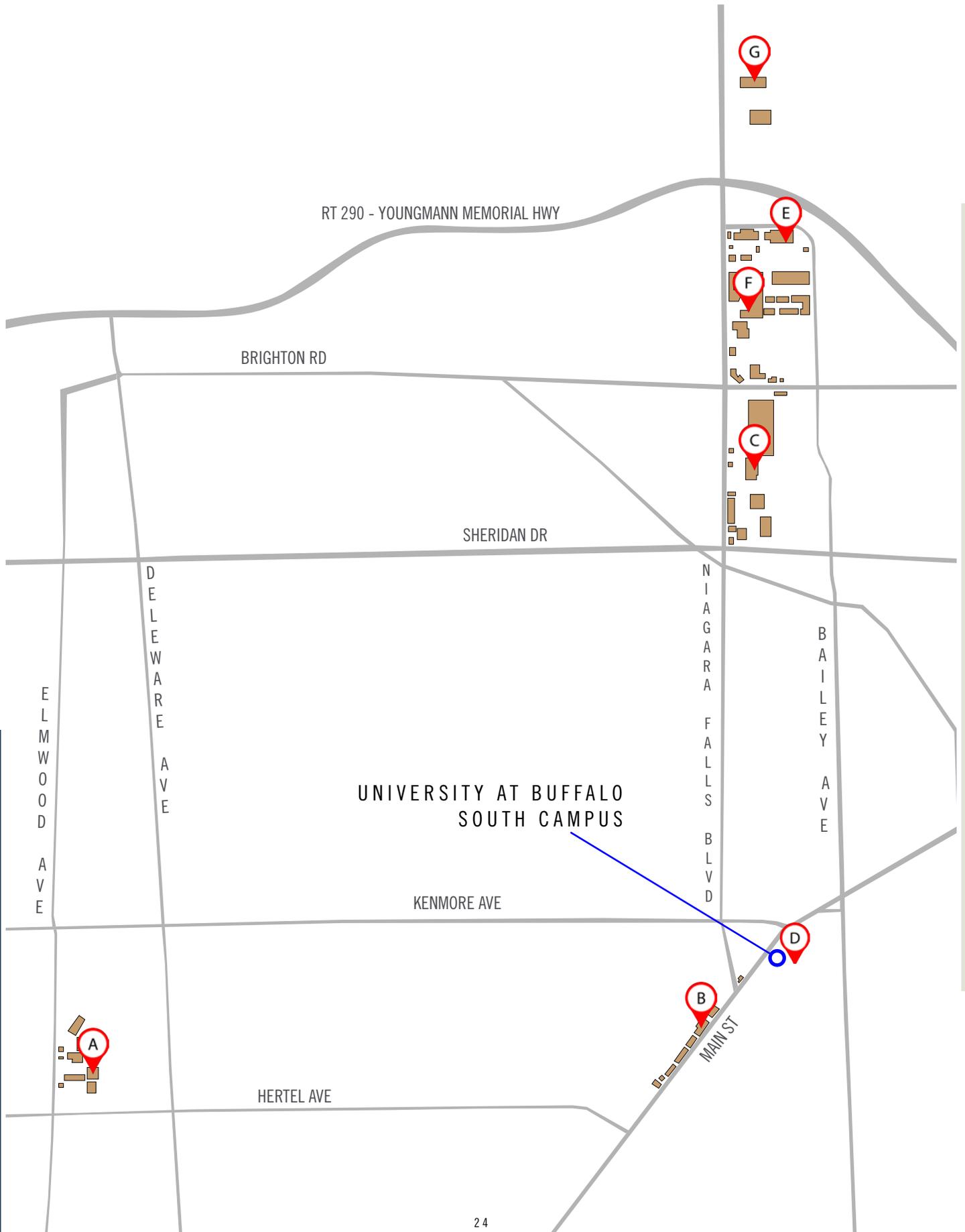
TAXI SERVICES

BUFFALO AREA

WEBSITE: gocurb.com

GoCurb is similar to Lyft and Uber but instead allows you to hail traditional taxis from your phone.

GETTING AROUND



HYATTS- ALL THINGS CREATIVE

1941 ELMWOOD AVE, BUFFALO, NY 14207

PHONE NUMBER: # 1.800.234.9288

HOURS: SUNDAY: CLOSED

MONDAY+THURSDAY: 9 - 9

TUESDAY-FRIDAY: 9 - 7

SATURDAY: 10 - 5

THE TOOL LIBRARY

5 W. NORTHRUP PLACE, BUFFALO, NY 14214

PHONE NUMBER: # 716.510.1745

HOURS: SATURDAY - SUNDAY: 10 - 2

MONDAY: CLOSED

TUESDAY - FRIDAY: 2PM-7

MICHAELS

1261 NIAGARA FALLS BLVD, AMHERST, NY 14226

PHONE NUMBER: # 716.834.3322

HOURS: SUNDAY: 10 - 7

MONDAY - SATURDAY: 9 - 9

UNIVERSITY BOOKSTORE

200 LEE ROAD, BUFFALO, NY 14228

PHONE NUMBER: # 716.636.6290

HOURS: SUNDAY: CLOSED

MONDAY - THURSDAY: 9 - 5

FRIDAY: 9 - 4

SATURDAY: 12 - 4

LOWE'S

1659 NIAGARA FALLS BLVD, AMHERST, NY 14228

PHONE NUMBER: # 716.831.5990

HOURS: SUNDAY: 8-8

MONDAY - SATURDAY: 6 - 10

JOANN FABRICS AND CRAFTS

1551 NIAGARA FALLS BLVD, BUFFALO, NY 14228

PHONE NUMBER: # 716.836.8586

HOURS: SUNDAY: 10 - 7

MONDAY - SATURDAY: 9 - 9

THE HOME DEPOT

2065 NIAGARA FALLS BLVD, AMHERST, NY 14228

PHONE NUMBER: # 716.639.9600

HOURS: SUNDAY: 8 - 8

MONDAY - SATURDAY: 6 - 10

NEARBY SUPPLIES



AUTODESK: REVIT, AUTOCAD, 3DS MAX

Revit is a tool used for architectural design and documentation. It is setup to support BIM (Building Information Modeling) workflows.

AutoCAD, on the other hand, is essentially a drafting application, used by drafters to prepare sets of technical drawings.

3DS Max is Autodesk’s professional 3d animation software. It has detailed modeling capabilities that can be utilized for architectural visualizations.

MODELING PRO TIPS

- **Know what software is most useful in which phase of a project.** For instance, Revit and AutoCAD are better suited for design development and production than for pre-design.



SKETCHUP, ARCHICAD, VECTORWORKS

Sketchup is a great modeling platform for initial concept modeling as well as quick visualizations.

ArchiCAD, on the other hand, is a BIM (Building Information Modeling) software that can be utilized for all aspects of building design and engineering.

Vectorworks also provides a BIM platform that is useful for flexible form-making.



RHINOCEROS 3D, GRASSHOPPER, VRAY

Rhino is a 3D-modeling software, and is an irreplaceable part of architects’ workflows. The program allows you to attempt multiple iterations of your design, whether you are making decisions about form, or resolving structural issues.

Plugins like Grasshopper (a visual programming language) and V-Ray (a multi-use rendering software) will allow you to customize your Rhino workspace and expand your workflow beyond average modeling techniques.

DIGITAL

ARCHITECTURE TOOLS

RHINO PRO TIPS

- **Remember that you are not alone!** Use online forums such as McNeel to get help from other more experienced users. You will often find that many others have gone through the same issues as you and have already figured out how to resolve them.
- Make an effort to **understand how the software thinks**. The sooner you understand what a NURBS surface is, the better.

ADOBE PRO TIPS

- **Combine multiple Adobe applications** to achieve a truly well-developed result!
- **Use your student discounts!** Most software providers offer discounted rates for purchasing software if you use your school email to create an account. And AIAS members get even more discounts!
- **Manage your layers.** While it may seem tedious to keep creating new layers, and switching back and forth between them, a properly organized file makes things a lot easier for you (and any group members) in the long run. (This applies to programs like Rhinoceros 3D and AutoCAD as well.)



ADOBE CREATIVE SUITE offers a great range of tools for not only architects, but a variety of design professionals. Of these, the three programs that are essential to architects' workflows are Photoshop, Illustrator and InDesign.

- Adobe Photoshop is among the most-commonly used digital tools in a designer's arsenal. It is a great photo editor, allowing the user to apply and edit filters and masks to bring raster images to life.
- Adobe Illustrator is a great tool for working with vector graphics. Its use is pretty flexible, ranging from refining line weights to creating logos and diagrams.
- Adobe InDesign is used for publishing design, proving beneficial in creating posters, flyers, brochures and the like. As a design student, you will find the tool extremely valuable in laying out presentations and final review boards.

PHYSICAL
ARCHITECTURE
TOOLS AND HOW TO
USE THEM



EXTERNAL HARD DRIVE:

It is important to save your files in multiple locations! Save a copy of a file on your computer, a google drive, and an external hard drive. Take the few minutes to save it rather than the hours of frustration if you lose the drawing!

External hard drives come in various sizes and capacities, with the largest holding up to 4 TB! Be sure to think about your average file sizes when investing.



WOOD GLUE:

Used to glue wood together- but does leave a bit of a yellow crust if not wiped off properly, make sure to keep your model clean as you build it

TACKY GLUE:

Your best friend for gluing chipboard and other materials together! This stuff can dry fast so keep the cap on the bottle and use it gently on a model

PAINTERS TAPE:

Good for taping together models while they dry- just be careful- it might rip!



TRIANGLE:

Used to draw on your drafting board with 45* angles- helps to draw axonometrics

ADJUSTABLE TRIANGLE:

Adjustable to create different angles for drawings- you can use this to draw iso-metrics as well

LEAD PENCIL:

Your best friend when it comes to hand drafting! Don't forget to sharpen the lead often and twist the pencil as you go along!

LEAD REFILLS:

When your lead runs out, just grab another piece and refill it. Lead comes in different thicknesses from 6H being very sharp and light, and 6B being very dark and thick.



DRAFTING TAPE / DRAFTING DOTS:

Use these to secure a drawing to your drafting board, other tape will rip your paper

SCALE:

Architecture scales are different than engineering scales, make sure you know which one you are using before you use it on a drawing!

KNEADED ERASER:

Used to gently erase or lighten pencil marks on a drawing. When it gets dirty, just play around with the eraser and twist it around to get a clean side ready.

BOOKS FOR SUCCEEDING IN ARCHITECTURE SCHOOL + CRITS

- **“101 Things I Learned in Architecture School”**
by Matthew Frederick
Pretty self explanatory! This author goes over the dos and don'ts of architecture school and how to get through with ease.
- **“Dictionary of Architecture and Construction”**
by Cyril M. Harris
Quick definitions of architecture words that your professors will use and you will have no idea what they are talking about. The transparent threshold of the terminal tertiary juxtaposition? Exactly...

BOOKS AND WEBSITES THAT SAVED OUR LIVES

WEBSITES TO HELP WITH VISUALIZATION

There are a number of helpful websites full of tips and tricks for creating eye-catching renders and architectural images. The following are a couple of our favorites, and we hope they help you speed up your workflow and get more satisfying finished products!

- **Visualizing Architecture**
www.visualizingarchitecture.com
Alex Hogrefe has become one of the most loved individuals among architecture students because of his incredible tutorials and resources. Be sure to check out his website, Visualizing Architecture.
- **Learn Arch Viz**
www.learnarchviz.com
Similar to Visualizing Architecture, Learn Arch Viz has an incredible compilation of tutorials for how to make your architectural visualization the best it can be. The tutorials include tips for Photoshop, V-Ray, and 3ds Max, and many of them are free. If you find that these are helpful for you, consider the paid courses as well.

BOOKS BY FRANCIS CHING

- **“Design Drawing”**
This is a great intro book to different types of drawings and how they can help you to convey your ideas. This can be purchased online or is probably for sale in your university book store!
- **“Architecture, Form, Space, and Order”**
Learn about the levels of importance with modeling and architecture, in both drawing and built form.
- **“Building Construction Illustrated”**
One of the best construction books you can find. It goes over everything you could possibly need, but in a simple and easily understandable way!

BOOKS TO HELP YOU DRAW

- **“The Art of City Sketching”**
by Michael C. Abrams
This is a great book for quick sketches to look over and how-to tips for drawing different representational drawings, including axonometric, plans, sections and perspectives.
- **”Architectural Diagrams 1: Construction and Design Manual”**
by Miyoung Pyo
This book should be on your studio desk throughout architecture school. Among other things, it teaches different quick and useful diagrams that you can and definitely will use to better convey your ideas for your design.

OTHER BOOKS YOU WILL NEED OR JUST ENJOY

- **“Conditional Design: An Introduction to Elemental Architecture”**
By Anthony Di Mari
- **“The Architecture Reference and Specification Book”**
by Julia McMorrough
- **“The Fountainhead”**
By Ayn Rand
- **“Devil In the White City: Murder, Magic, and Madness at the Fair That Changed America”**
By Erik Larson
- **“S, M, L, XL”**
by O.M.A. Rem Koolhaas and Bruce Mau

WEBSITES FOR CONTENT

An easy way to save a lot of time in your process is to utilize free content!

Scale Figures

- www.skalgubbar.se
- www.mrcutout.com
- www.skalgubbrasil.tumblr.com
- www.cutoutlife.com
- www.justnotthesame.us
- www.nonscandinavia.com
- www.escalalatina.com

Be sure to remember to accurately represent the people that would be inhabiting your projects! Diversity matters.

Tree Cutouts

- www.gobotree.com
If the project you’re working on involved landscape, save time and use these tree cutouts for different scenes!

Textures

- www.swtexture.com
- www.xoio-air.de/category/textures/
- www.tonytextures.com
Bring your drawings to life with textures! These websites have resources for perspectives, elevations, plans, and sections.

BIM/DWGS

- www.nationalbimlibrary.com
- www.arcat.com
- www.3dwarehouse.sketchup.com
Use these websites to find BIM / DWGS to use in a revit, autocad, or rhino model to provide more information and further your design, including structure, furniture, different glazing conditions. Remember some models may be incredible complex and processing-heavy, so import carefully!



LET'S DISPEL THE **STIGMAS!**

WHAT YOU HEARD DOESN'T HAVE TO BE TRUE FOR YOU

01 **STIGMA: You HAVE to pull an all nighter to be successful... i.e. “Leaves studio at 4am, got nothing done”**

TRUTH: No matter what others may say, you don't need to pull an all-nighter. Plenty of architecture students have graduated without long nights in studio! Get some rest, get a juice, and start your day fresh! Your productivity will increase and your ideas will flourish!

02 **STIGMA: I can do all of my work the night before the deadline... i.e. “Constantly underestimating the time a model, drawing, or other work will take you”**

TRUTH: Plan on allocating more time than you anticipate needing for tasks, and stick to it! Scheduling and creating lists help keep track of tasks and things that need to be finished. Don't save everything for the night before!

03 **STIGMA: I don't have time to go get real food... i.e. “Poptarts and Popcorn are the only food sources”**

TRUTH: Research has shown that eating a well balanced diet can help with sleep, productivity, and overall wellness. Try to eat some fresh fruit and veggies - even if you just start your day with a banana (and yes, you can indulge in an egg sandwich from the local deli). Allow yourself to leave studio (gasp!) and get a healthy meal!

04 **STIGMA: Studio is the most important thing during your semester... i.e. “When you slice yourself with your xacto and your first thought is praying there is no blood on your project”**

TRUTH: When it comes down to it, your health is the MOST important thing. Your body is your home, so take care of it! Use resources like the student health center, mental health center, and go to professors if you are stressed or overwhelmed. Sometimes just talking to someone that isn't another student in your studio can drastically help!

“Time management” is the process of organizing and planning how to divide your time between specific activities. Architecture is inherently multi-disciplinary, and architecture students are some of the most multifaceted students.

Many architecture students take advantage of their varied interests and get involved in a multitude of activities outside of studio. These Pro-Tips should help you find ways to save time, focus on what actually needs to get done, and hopefully even get some sleep!

TIME MANAGEMENT
PRO-TIPS

01 GOAL SETTING

Set **SMART** Goals + write out your To Do List

- **S**pecific.
- **M**easurable.
- **A**ttainable.
- **R**elevant.
- **T**ime Bound.

02 PRIORITIZATION

Make an **Action Priority Matrix** to determine which tasks are most important and must be tackled first.

If you are unsure about whether or not you have difficulty with time management, consider taking an online quiz! Think about how often you find yourself cutting deadlines close or running out of time. Regardless of how bad your time management is, taking a quiz and

honestly analyzing your productivity could help you identify which tasks and aspects of your daily workload you need most help with! And never forget, when in doubt, just take a deep breathe, put your headphones on, and do your best to focus.

03 MANAGING INTERRUPTIONS

Turn off **digital distractions** such as social media, texts, email, etc. Some helpful apps to help you put down the phone and get to work:

- **Flipd**
- **AppBlock**
- **Pocket Points**
- **Quietcoin**

Hanging a “Do Not Disturb” sign whether figuratively or literally can be incredibly effective at limiting human distractions. Finally, If you are easily distracted, simply **remove the distractions!** Keep your work area free of clutter or even other objects. If you are easily distracted, even just a water bottle on your desk might pull your attention away from your tasks, so be sure to clear your workspace.

04 AVOIDING PROCRASTINATION

- **Set deadlines** to keep you on track
- Accomplish a **5 minute miracle** on a task versus trying to accomplish the whole thing. Keep the project progressing even if just slightly.
- **Power Hour** - one hour work session with NO distractions
- Find your **procrastination power song!** That one tune that gets you hyped and focused on completing your next task.
- **Make a reward system.** Set outings, dates, fun event with friends that you can only attend once your task is complete.

A NOTE FROM THE 2017-2018 ADVOCACY TASK FORCE

NEVER FORGET TO ADVOCATE!

What is advocacy? Advocacy is having the ability to speak up for oneself or on the behalf of others regarding issues that affect our lives.

Why is advocacy significant to me, as a future architect? Architects are often involved in current issues of varying scales that have a large impact on the lives of many. We are trained as problem-solvers and, therefore, should demand that our voices be heard. Advocacy allows us to be the voice of many different people from varying perspectives; this allows us to stand up for what we believe in and to play a part in bettering our world. Advocacy is a way to serve a community or group you identify with or care about. Just because you are a student does not mean you cannot begin advocating. Your voice can be a tool to ensure that you and your peers get the education and the studio culture that you deserve.

A few forms advocacy can take in architecture school: inclusion of others, acting as the voice of your class or group when issues arise, acknowledging issues and respectfully making others aware of them, creating opportunities for others to voice their opinions and beliefs, critiquing what we know as day-to-day 'norms', and being involved in revising and maintaining your school's social equity policy.

HOW-TO ADVOCATE DAY-TO-DAY

- Assure that the topic or issue you are tackling is more than a personal issue or bias.
- If you witness or experience an event that prompts a passion that completely consumes you (this could be positive, negative, or even a mix of emotions), take time to calm down and use your best reasoning. Don't stifle your energy, but channel it into developing a productive, logical argument or strategy.
- Stay determined to inform and educate others after the initial influx of passions subsides.
- Educate yourself. Understand different contexts of the issue, different arguments supporting the cause, and common counterarguments.
- After you have calmed down and channeled your passion into logic, decide on your most effective course of action to spread awareness.
- Continue to educate and inform others when opportunities arise. Speak up if you notice something unethical or inequitable. Don't be afraid to spotlight an issue, but remain respectful to others. Stay calm and open-minded when conversing about the topic; show people that you should acknowledge these issues and openly talk about them, even in daily conversation.

**“AS A STUDENT, IT IS
EASY TO FORGET
YOUR VOICE MATTERS”**

AMY ROSEN
2018-2019 AIAS NATIONAL PRESIDENT



HAVE YOU JOINED AIAS YET?

WHAT ARE YOU WAITING FOR?

THE AIAS MISSION IS TO **ADVANCE LEADERSHIP, DESIGN, AND SERVICE** AMONG ARCHITECTURE STUDENTS.

The American Institute of Architecture Students (AIAS) is an independent, nonprofit, student-run organization dedicated to providing unmatched progressive programs, information, and resources on issues critical

to architecture and the experience of education. The AIAS aims to promote excellence in architectural education, training, and practice; to foster an appreciation of architecture and related disciplines; to enrich communities in a spirit of collaboration; and to organize students and combine their efforts to advance the art and science of architecture. **AIAS membership supports architecture students** in collegiate schools, community colleges, and high schools across the United States and has expanded into international academic programs as well. The following value statements reflect our programs, events, initiatives, and culture and can help tell the story of an AIAS member:

IMPACT: We advocate for and enact positive change. **COMMUNITY:** We foster an inclusive network of peers that learn from, support, and drive one another. **GROWTH:** We inspire students to reach their greatest potential through meaningful learning opportunities. **PASSION:** We pursue large goals and aspirations through each member's enthusiasm. **PERSPECTIVE:** We link the profession's opportunities to architectural education. **BALANCE:** We promote respectful relationships, an environment of diversity, and a thriving studio culture.

YOU CAN BECOME AN AIAS MEMBER FOR JUST

\$47

+ LOCAL CHAPTER DUES

WWW.AIAS.ORG/JOIN

IMPACT + PASSION + COMMUNITY + GROWTH + PERSPECTIVE + BALANCE

THE BENEFITS OF JOINING THE AIAS COMMUNITY

In the AIAS, we know your architectural education will provide you with the basis for success in whatever path you take. Whether you aim to become a licensed architect, an educator, a professional in an allied discipline, or if you go on to pursue a different profession altogether, your design thinking will allow you to have the ability to critically impact society. We believe through the AIAS, we can help you capitalize on your goals for you to achieve your success stories.

While there are many specific ways this can occur, continuous benefits of being a member include:

- Being part of a diverse, influential community of thousands of students from around the globe, who share your passion for design;
- Being an informed, prepared, and outstanding participant in the architecture and design realm and society as a whole; and
- Being a voice that is heard, and respected.

The AIAS provides many opportunities for impact at your local chapter, and at the national level which can generate critical changes for the betterment of students and our futures. In addition, the AIAS provides venues for personal, academic and professional development; community engagement; advocacy; a vast array of networking opportunities; and more.

If you are ever looking for more ways to get involved and make a difference, be sure to check out our website at www.aias.org/ for all of our exciting news and avenues for success!

Through the AIAS, we can all grow our individual strengths in search of a better collective tomorrow.

www.aias.org/membership/benefits/

Let's kick some #AIAS together!





THE ARCHITECTURE SCHOOL SURVIVAL GUIDE

INSPIRED BY AIAS CCNY'S SSA SURVIVAL GUIDE