



ACE MENTOR PROGRAM // CHICAGO // TEAM ONE // 2015-2016

## Welcome to ACE TEAM ONE!

Included in your orientation packet you'll find a couple things helpful for the 2015-2016 ACE program:

- Syllabus
- ACE Mentor Firms
- ACE Mentors Roster and Contact Information
- Meeting/Office Location Map

Follow us on the **ACE Team 1 Blog** for weekly updates on what we're doing, things we're learning, and where we'll be meeting next:

[www.acementorchicago.org/category/team1/](http://www.acementorchicago.org/category/team1/)



ARCHITECTURE . CONSTRUCTION . ENGINEERING

The ACE Mentor Program serves high school students who are exploring careers in Architecture, Construction, or Engineering. The mentors are professionals from leading design and construction firms who volunteer their time and energy. The program is designed to engage, inform, and challenge YOU.



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\*\*\*Please note: The syllabus below depicts the PROPOSED schedule for the 2015-2016 year. Locations and agenda topics are subject to change based on availability, weather, topic, etc. If you have any questions regarding where we are meeting and what we will be doing please see weekly updates on the blog, or get in touch with your buddy or team leader.

Date	Week	Location	Meeting Agenda
11.05.15	Student Orientation	Jones College Prep 700 S State St Auditorium	<b>5:30 - 7:30 // Welcome to ACE Team 1!</b> Make sure you've turned in your signed paperwork, and have been paired up with a buddy!
11.12.15	Week 1	Sargent & Lundy	<b>5:00 - 7:00 // What is Structural Engineering?</b> We'll take a look at what it means to be a structural engineer, take a brief tour of the office, and participate in an activity that exemplifies principles of engineering.
11.19.14	Week 2	VOA	<b>5:00 - 7:00 // What is Architecture?</b> We'll take a look at what it means to be an architect, take a brief tour of the office, and participate in an activity that promotes creativity and design.
11.26.15	Thanksgiving Break // NO MEETING		
12.03.15	Week 3	Gilbane	<b>5:00 - 7:00 // What is Construction Management?</b> We'll take a look at what it means to work in the construction field, take a brief tour of the office, and participate in an activity that simulates the process of managing and building a project.
12.10.15	Week 4	Sargent & Lundy	<b>5:00 - 7:00 // What is an Owner's Representative?</b> We'll take a look at what it means to be an owner's representative from a guest speaker. We will participate in an activity that exemplifies the challenges of communication throughout a project.
12.17.15	Week 5	Construction Site Visit Location TBD	<b>5:00 - 7:00 // Site Visit and Tour</b> We'll take a tour of a project under construction, and cover site safety and qualifications, sequencing, and scheduling. You must bring your permission slip to go on this site visit!
12.24.15	Winter Break // NO MEETING		
12.31.15	Winter Break // NO MEETING		
01.07.16	Week 6	VOA	<b>5:00 - 7:00 // Introduction to CIRT Competition</b> Team 1 is going to participate in a national design competition! Your mentors will introduce the project, program, site, and schedule. We will begin brainstorming ideas for what to build!
01.14.16	Week 7	Location TBD	<b>5:00 - 7:00 // Site Visit and Scavenger Hunt</b> We'll meet at an office TBD for dinner and learn about what to look for when researching a site. What is programming? And how does site research influence site and building programming?
01.21.16	Week 8	VOA	<b>5:00 - 7:00 // Finalize Site and Building Program</b> We'll use the information we learned last week to come up with a site and building program. We'll begin planning what the building(s)/site look like, how its supported, and how it gets built.
01.28.16	Week 9	VOA	<b>5:00 - 7:00 // Sustainability and Project Workday</b> We'll learn about sustainability from a guest presenter, and how it can influence our design decisions and project. We'll continue to work on the design and configuration our project.
02.04.16	Week 10	VOA	<b>5:00 - 7:00 // Project Workday</b> We'll continue to work on the design and configuration our project. We should begin to put our drawings in the to computer / make physical models.
02.11.16	Week 11	VOA	<b>5:00 - 7:00 // Project Workday</b> We'll continue to work on the design and configuration our project.



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Date	Week	Location	Meeting Agenda
02.18.16	Week 12	VOA	<b>5:00 - 7:00 // Project Workday</b> We'll continue to work on the design and configuration our project.
02.25.16	Week 13	VOA	<b>5:00 - 7:00 // Project Workday</b> We'll continue to work on the design and configuration our project.
03.03.16	Week 14	VOA	<b>5:00 - 7:00 // FINAL Project Workday before deadline!!</b> We should be finalizing our project today. We should have complete design of the project, boards, sustainability, narrative, and any other requirements outlined by the competition requirements.
03.08.16	Competition Deadline // ENTRY MUST BE POSTMARKED BY MARCH 8		
03.10.16	Week 15	VOA	<b>5:00 - 7:00 // TBD</b> Itinerary for the day is TBD.
03.17.16	Week 16	VOA	<b>5:00 - 7:00 // Presentation Workday</b> Our competition format was to create display boards. For the ACE presentation, we need to turn those boards into one 10 minute PowerPoint presentation.
03.24.16	Week 17	VOA	<b>5:00 - 7:00 // Presentation Workday</b> We'll continue to work on the PowerPoint presentation for the ACE final presentation.
03.31.16	Week 18	VOA	<b>5:00 - 7:00 // Presentation Practice</b> Verbal presentation needs practice too, as everyone will be presenting the work we've done this year. We'll do run throughs for content and practice. This is the last meeting!
TBD	Final Presentation		



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## ARCHITECTURE

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VOA Associates Incorporated, founded in 1969, is an international design firm with offices located in Chicago, Highland, Orlando, Washington DC, New York, Los Angeles, Beijing, and São Paulo. We offer comprehensive services embracing the disciplines of facility programming, master planning, architecture, landscape, LEED consulting, and interior design.

The firm's diversified practice is international in scope and includes: college and university facilities, hotels and hospitality related projects, institutional master plans, financial institutions, corporate headquarters and offices, law firms, housing, institutional and health care facilities, governmental and transportation-related structures. This broad selection of projects allows for a cross-fertilization of ideas and resources that reinforces our commitment to render a superior level of client service. VOA's ranking as a leading design firm has been affirmed by over 250 local and national awards for design excellence.

## VOA MENTORS



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Gilbane Inc., based in Providence, Rhode Island, is one of the largest privately held family-owned real estate development and construction firms in the industry. Proudly family-owned and operated since 1873, our rich history combines with our extensive knowledge of today's ever-changing demands, allowing us to deliver the best facility solutions for our clients.

We are steadfast advocates for our clients, our employees, and the communities in which we work. Through community involvement, sustainable business practices, and unwavering integrity, we are always striving to be better and to do better. We're honored that Gilbane is a three-time member of the FORTUNE100 Best Companies to Work For list for 2009, 2010, and 2011.

## GILBANE MENTORS



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## ENGINEERING

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### Thinking Power...Exclusively

For more than 100 years Sargent & Lundy has provided comprehensive consulting, engineering, design and analysis for electric power generation and power delivery projects worldwide. With a large, highly experienced staff solely dedicated to the energy business, we have the ability and know-how to take on the largest projects as well as the smallest tasks. Overall, we have worked with 1,440 clients in 78 countries. We provide engineering & design services for fossil power (gas, coal, oil), nuclear power, renewable energy (wind, solar, biomass) and high-voltage power transmission projects.

Sargent & Lundy is headquartered in Chicago, and we also have engineering offices in Wilmington, DE, Chattanooga, TN, Phoenix, AZ, and Warrenville, IL. In addition, our professional engineers and designers have opportunities to attend project meetings and take field assignments at construction site and operating power plants in the U.S. and internationally.

## SARGENT & LUNDY MENTORS



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## OWNER'S REPRESENTATIVE

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rmc is a Real Estate and Building Industry Management Advisory group providing development and program / project management services for the built environment. rmc develops innovative and impactful solutions that maximizes the clients' missions creating certainty, building value, and delivering quality. As the owner's advocate, rmc anticipates and responds to evolving expectations and collaborates with the client's staff to actively manage and deliver success.

### Strategic Planning

rmc works with clients during the earliest stages of business planning, master planning, and program formulation to create a fully integrated comprehensive delivery strategy. rmc analyzes business objectives, internal resources, and market risks; and in collaboration with our clients, leads and assists in development of business plans, anticipated resource requirements and financial models. rmc also assists clients in developing capitalization strategies and securing funding commitments. As plans progress data, analytics, financial forecasting and reporting systems are developed and implemented.

### Development Management

When objectives have been identified, and a direction established, rmc works with clients to create operational plans, and manages the development of an integrated team of internal resources combined with third party designers, builders, specialty consultants, suppliers, and other internal and external stakeholders to promote proper evaluation of primary alternatives, tests of underlying assumptions, and efficient and proper execution.

### Project Management

The rmc team leads and supports all planning, design, construction and operations start-up activities to create a comprehensively scoped, procured, managed and controlled project that meets business objectives, cost, schedule and quality requirements.

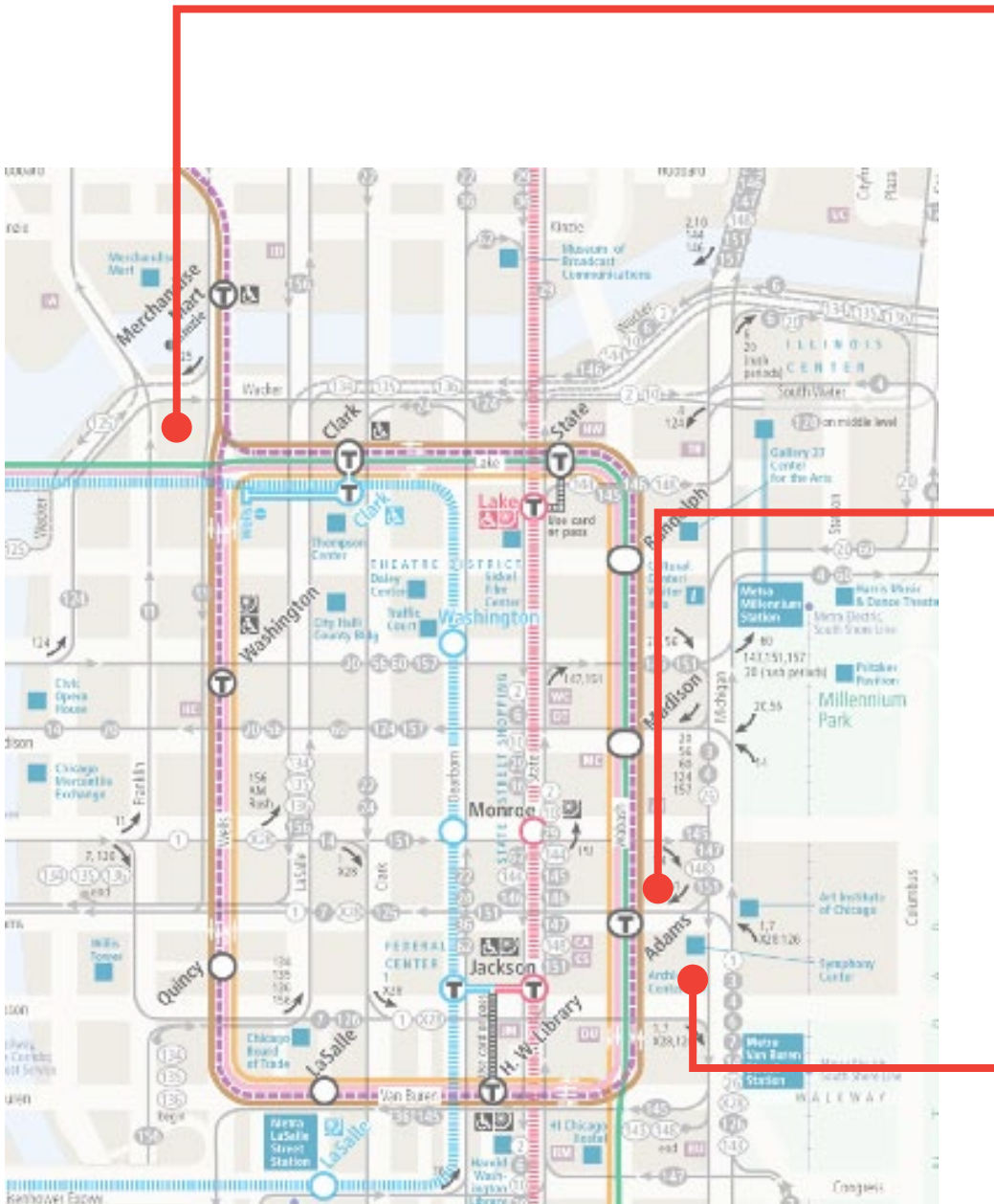
## RMC INTERNATIONAL MENTOR



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