



FOCUSED ON YOUR FUTURE

Spring 2019 University Liaisons Webinar

January 24, 2019

Webinar Agenda

- **University Liaison Role and Focus on Non-Actuarial Schools**
Karen Commons and Samantha Steiner, CAS University Liaisons
- **CAS Resources for Academics and Students**
Tamar Gertner, University Engagement Manager
- **CAS Basic Education Summary**
Jeanne Crowell, CAS Vice President of Admissions

University Liaisons – Focus on Non- Actuarial Schools

Karen Commons & Samantha Steiner

University Liaisons Support Universities by:



**Making
campus visits
and
presentations**



**Talking
individually
with students**



**Supporting
and Advising
Faculty**

Consistent presence on campus – more than a fall recruiting effort

Tips for Liaisons at Non-Actuarial Schools

- ❖ Find majors where students have the skillsets that will help them succeed in the actuarial career – math, economics, science, some engineering disciplines
- ❖ Find professors who will be open to – and advocate for – career choices aside from graduate school
- ❖ Adjust presentations for the audience – students are likely just finding out about the actuarial career, and are unfamiliar with the exam process
- ❖ The consistency of your campus presence over time will make a difference!

University Liaison Tools and Resources

University Liaison Communication Toolkit

Communication Materials:

- Campus Presentation Checklist
- Announcement Template
- Flyer Template
- Social Media Guide
- University Outreach Telephone Script
- List of Students' FAQs
- Sample Sign-in Sheet

Checklist

Pre-Campus Event

Tailoring the Presentation

Talk to the student/faculty coordinator:

- ✓ Demographics of the audience
- ✓ Expectations on how many students
- ✓ Involvement of other faculty/academics
- ✓ Who is sponsoring/co-sponsoring
- ✓ Whether other speakers/organizing similar topic
- ✓ Length and format of presentation
- ✓ Other speakers or panelists anticipated
- ✓ Interest and understanding level of audience
- ✓ Profession, casualty actuaries, and other related fields
- ✓ Your specific presentation topic

Logistics

- ✓ Confirm the date and time of the event
- ✓ Confirm the specific location of the event
- ✓ Confirm audio/visual capabilities
- ✓ Confirm parking and passes.

Day-of Appearance

Logistics/Atmospherics

- ✓ Arrive 20-30 minutes in advance
- ✓ Check set up of the room to ensure presentation
- ✓ Prepare a place for your handouts
- ✓ Have CAS sign-in sheets printed

Photography

- ✓ Before students arrive, stage the presentation
- ✓ Ensure shots show some kind of action and interaction
- ✓ Identify who (and affiliation) is in the photo.

STUDENT CENTRAL

FOCUSED ON YOUR FUTURE

(Name of University) welcomes (Name of University Liaison, FCAS/ACAS),
to present
(Example Title, "An Introduction to the Actuarial Profession")

(Name of Host Campus Group) invites (X department) students to attend
(Title ex., "An Introduction to the Actuarial Profession") delivered by (name of speaker), a (Fellow/Associate) of the Casualty Actuarial Society (CAS) and CAS liaison to (name of university).

Please join us this (day of week, date) from (start time-end time) at (location on campus) for an introduction to a promising career in what has been touted as one of the nation's top ranked professions because of its employability, career growth, high-paying salaries, and work-life balance.

What you will learn:

- What an Actuary is
- What Actuaries do
- How to become an Actuary
- What the Casualty Actuarial Society is
- Why this is an attractive career
- Your next steps

Who should attend?

- Undergraduate students majoring in actuarial science, math, statistics, business, or other related fields
- Undecided undergraduate students with an interest in math, statistics, business, or other related fields

Learn more at: (location on campus)

Go to: CASstudentcentral.org and register to become a student member. It's free and provides you access to a wealth of tips, tools and resources.

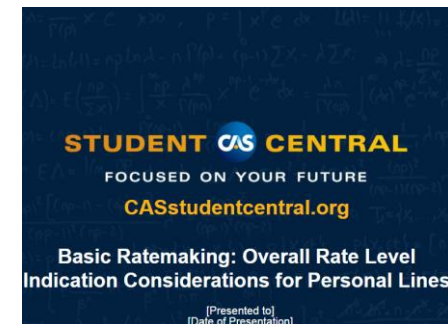
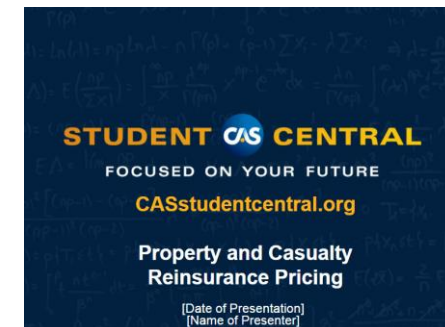
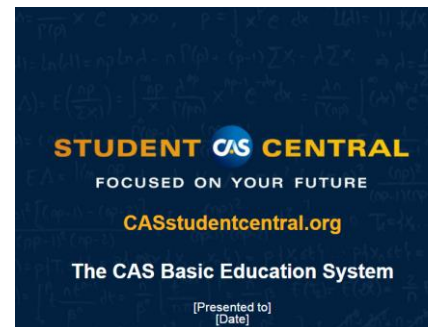
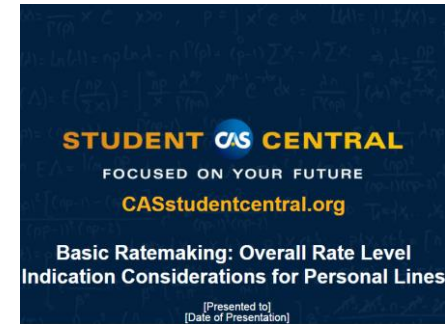
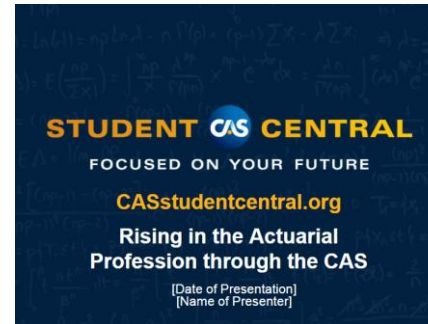
University Liaison Tools and Resources

Presentations

Topics

- Introductory Casualty Actuarial Career Presentation
- CAS Exams Presentation
- Basic Ratemaking
- Basic Reserving
- Basic Reinsurance
- Predictive Modeling

Send Presentations to Share with UL
Community to Tgertner@casact.org



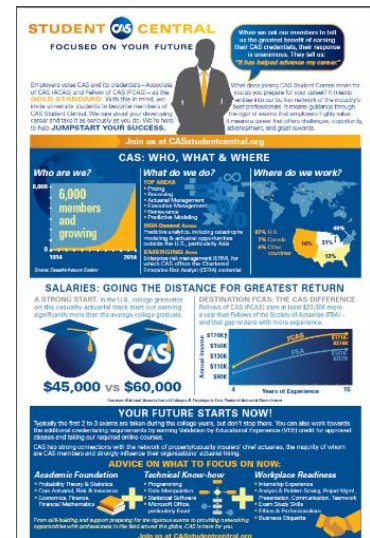
University Liaison Tools and Resources

Handouts and Giveaways

- Award Winning CAS Student Central Infographic
- CAS Student Central Brochures
- CAS Education Infographic
- Future Fellows
- Student Giveaways – post-it notes, pens, coolers, and more!

Send Materials Requests to
Tgertner@casact.org

THE CAS PATH TO SUCCESS



CASstudentcentral.org

STUDENT CAS CENTRAL
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Tips for Liaisons at Non-Actuarial Schools

- ❖ **Leverage the Student Central materials from Tamar – students find these very helpful! (And who doesn't love cool giveaways?!)**
- ❖ **Use the communication templates from the UL site – or create your own, based on the specific needs of your campus!**
- ❖ **Focus on materials from the basic presentations:**
 - ❖ **Introductory Casualty Actuarial Career Presentation**
 - ❖ **CAS Exams Presentation**
- ❖ **And add some simpler examples to give a flavor for the work**

Tips for Liaisons at Non-Actuarial Schools

Example Communication:

**Looking for a great job
in a top-5 profession?**

*Want to use your strong analytical & communication skills...
...without having to work 70+ hours each week?*

*Want a good exposure to the business world...
...without having to live in hotels 4 days a week?*

*Want to earn a designation that will set you apart from your peers...
...without having to spend years in grad school?*

Then becoming an actuary might be for you!

**Stop by our events or check out the Online Career Center
to learn more!**

Tips for Liaisons at Non-Actuarial Schools

Example discussion topics (Ratemaking):

- ❖ You are a pricing actuary responsible for setting rates for automobile insurance. You receive a bulletin from a state Department of Insurance requesting information on how the effects of rising gas prices are reflected in your company's Auto rates. How would you respond?
- ❖ How might texting while driving impact auto insurance prices?
- ❖ How are new auto safety features impacting claim frequency? Claim severity?
- ❖ Smart home sensors are becoming more prevalent. How might you evaluate whether customers with these sensors should receive a discount on their homeowners insurance?

University Liaison Role and Expectations



**Expertise. Insight.
Solutions.®**

**Be enthusiastic about the CAS
as the top choice for students**

Tips for Liaisons at Non-Actuarial Schools

- ❖ Majority of students might not realize the distinction between the CAS and the SOA
- ❖ When focusing on building awareness of the profession, cross-functional actuarial panels have worked well to introduce students to the wide variety of actuarial work
 - ❖ All members of the panel are alumni
 - ❖ Some work in consulting, others for insurance companies
 - ❖ Major areas of actuarial work include predictive modeling, ratemaking, reserving, health insurance, and life/annuities

University Liaison Role and Expectations

University Liaison Activity Report

Thank you for serving as a University Liaison and for completing this form. Your input is invaluable as the University Engagement Committee monitors progress toward university outreach goals and enhances the support provided to University Liaisons. We are keenly interested in your interactions with students and faculty, particularly the questions they ask and their reactions to CAS messaging.

If you conducted a variety of activities and/or connected with multiple schools, we kindly request that you complete separate forms for each activity/university.

1. Your Name:

2. My university outreach activity consisted of (please select one and complete a separate form for each activity):

- ☐ A Campus Visit and Presentation to Students/Faculty
- ☐ A Conversation with a Student on an Individual/Small Group Basis
- ☐ Providing Advice to an Academic/School
- ☐ Participation in a Career Fair
- ☐ Other Not Listed

Next

Provide feedback to the CAS and the University Engagement Committee

CAS Resources for Academics and Students

Tamar Gertner
University Engagement Manager

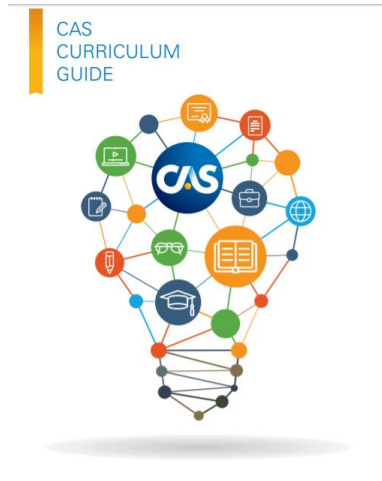
Free Membership Program for Academics



Resources for Academics and Students

Curriculum and Course Guidance

CAS Curriculum Guide



Property and Casualty Resource Library

CAS SAMPLE SYLLABI

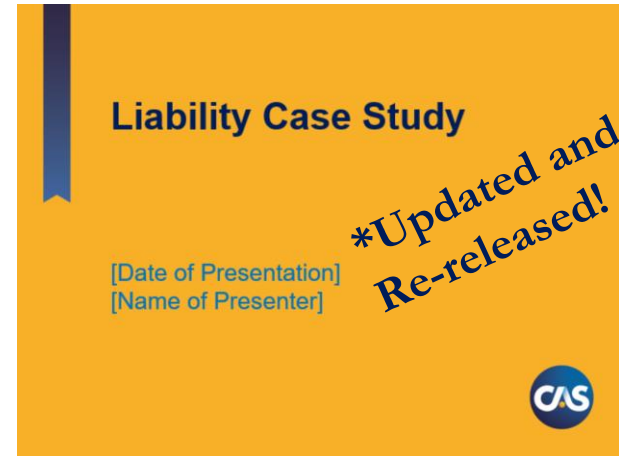
The CAS has developed three course syllabi that each span one semester and cover introductory property and casualty actuarial topics. The syllabi are available to support in the development of a new university course or as a reference to enhance an existing course.

[Introduction to Ratemaking Course Syllabus](#)

[Introduction to Reserving Course Syllabus](#)

[Introduction to Ratemaking and Reserving Course Syllabus](#)

CAS Case Studies



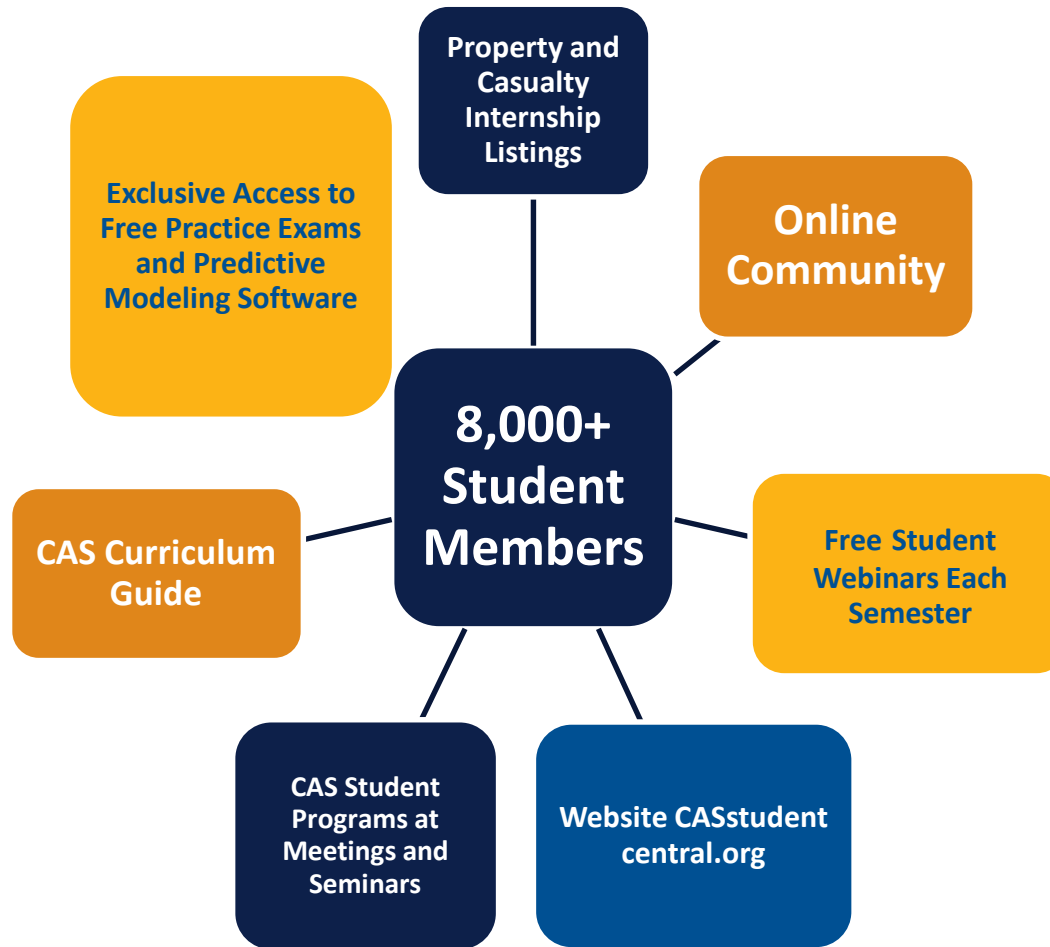
Case Competition Toolkits



Free Membership Program for University Students



FOCUSED ON YOUR FUTURE





What is a property and casualty actuary?

We are the leading professionals in finding ways to manage risk.

LEARN MORE



About the

The only actuarial organization in the world exclusively focused on property and casualty risks, the Casualty Actuarial Society (CAS) is the unparalleled gold standard of expertise, credibility and professional integrity for the casualty actuarial profession, known internationally as the field of general insurance.



Why Join CAS Student Central

CAS Student Central is a membership program for university students interested in pursuing an actuarial career. Join the community of nearly 8,000 students from over 600 universities who have already joined this free membership program and gain access to career resources, study tools and more!

***Redesigned Website!**

News & Updates

CAS STUDENT CENTRAL » NEWS & UPDATES



Jan 10 2019

New Year's Resolutions for Aspiring Actuaries!

As the calendar turns to January and the holiday festivities end, perhaps you will raise a toast to 2019 and, like many of us, make resolutions for the New Year. Sure, like many others you may resolve to eat healthier and exercise more, but what about some resolutions for your actuarial career? Log in and » [READ MORE](#)



Jan 10 2019

Webinar Recap: Your Actuarial Job Search – Guidance on Resumes, Interviews, and Networking!

Last month CAS Student Central hosted a webinar entitled, "Your Actuarial Job Search – Guidance on Resumes, Interviews, and Networking." The webinar featured presentations from three actuaries, Wesley Griffiths, Regina Kintana, and Mark Maenche, who each spoke about a different aspect of the job search. We have highlighted some of the tips they shared during » [READ MORE](#)

Jan 08 2019

Apply for the 2019 CAGNY Scholarship

Application deadline is April 15, 2019
OBJECTIVE: The objective of the scholarship is to further students' interest in the property/casualty actuarial profession and to encourage the pursuit of the Casualty Actuarial Society designations. ELIGIBILITY: The CAGNY Scholarship Program is available to any U.S. or Canadian citizen or holder of a permanent resident visa who is » [READ MORE](#)



Jan 03 2019

2019 IABA Scholarship and Boot Camp Applications are now available!

The International Association of Black Actuaries (IABA) has recently launched its Scholarship and Boot Camp applications! The application deadline for both programs is March 31, 2019. IABA Scholarship The IABA Scholarship Program provides scholarships at the undergraduate and graduate level for black students who are interested in

Dec 28 2018

Honoring This Year's CAS Trust Scholarship Recipients

Every year during the CAS Annual Conference, the recipients of the CAS Trust Scholarship are recognized in person and presented with an over-sized check by the CAS President. This year was no exception! Ann Durbin, CAS President, awarded

Jan 07 2019

January 2019 Student Central Newsletter

In this issue: Gain insight on New Year's Resolutions for Aspiring Actuaries, Read highlights from the webinar on: Your Actuarial Job Search – Guidance on Resumes, Interviews, and Networking, and more! Read the January Newsletter!

Classroom to Credentials

CAS STUDENT CENTRAL » CLASSROOM TO CREDENTIALS

Your Resources

Classroom to Credentials

Study Tools

Career Resources

Online Community



Earning CAS Credentials



Actuarial Exams & Dates



International Students



Academic Foundation

Study Tools

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Your Resources

[Classroom to Credentials](#)

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Coursework



Sample Exams



Exam Tips



Study Guides and Seminars



CAS Curriculum Guide

Career Resources

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Your Resources

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TECHNICAL TOOLKIT



Programming Skills



Statistical Analysis



Data Manipulation



Microsoft Office

WORKPLACE READINESS



LANDING THE JOB



CAS CAREER CENTER



CAS CURRICULUM GUIDE



SOFTWARE



Role of CAS Student Central Ambassador

- **Provide the Student Perspective** to further develop and improve the CAS Student Central program.
- **Utilize Leadership Skills** to increase student awareness of CAS Student Central resources on campus.
- **Partner CAS University Liaison(s)** to facilitate campus visits each semester.



Partnering with CAS Student Central Ambassadors

- Planning campus visits and coordinating logistical details with professors and students.
- Promoting upcoming presentations through email, social media, and in-person announcements.
- Assisting with presentations on site.
- Submitting photos, student quotes, and attendance sheets to CAS following each visit and presentation.



CAS Student Ambassador Conference
in Las Vegas, November 2018

CAS Trust Scholarship Program

casact.org/trustscholarship

- Scholarship for students pursuing a career in casualty actuarial science
- Up to three scholarships will be awarded per academic year (**\$10,000, \$5,000, \$5,000**)
- Applications due **January 31, 2019** (Application, essay, recommendation letters, and official transcript)
- Visit the CAS website for eligibility requirements
 - Must be a member of CAS Student Central and have sat for 1 actuarial exam



CAS University Award Program



Application Deadline for this year's award is March 15, 2019

- The CAS University Award Program was launched in 2016 to **celebrate** and **encourage** the efforts of colleges and universities in exposing their students to property and casualty insurance and actuarial work
- **Program goal:** To facilitate the promotion and sharing of ideas within academic communities.
- **The award focuses on innovation within:**
 - Curriculum
 - Research
 - Engagement

Past CAS University Award Winners

2016 Winners

Illinois State University
University of Connecticut
University of California, Santa Barbara
University of Illinois at Urbana-Champaign

2017 Winners

Ball State University
St. John's University
University of Wisconsin-Madison

2018 Winners

University of Texas at Austin
Arizona State University
Renmin University of China



CAS Basic Education Summary 1/24/2019

**Jeanne Crowell
CAS VP Admissions**

CAS Strategic Plan: Basic Education

“Future CAS members will be provided with a basic education system that reflects contemporary and relevant analytical techniques utilizing new technologies for delivery and validation.”

- Deliver quality basic education that integrates skills
- Review and refresh syllabus content
- Transform content delivery and validation methods

Deliver Quality Basic Education that Integrates Skills

- CAS Course on Professionalism expanded to include Communication Skills
 - Expanded from 1 ½ days to 2 days
 - Pre-work to introduce effective communication skills
 - Application of communication skills in small group environment
 - Beginning with the August, 2019 Course
 - COP now offered four times per year

Current CAS Syllabus to Reach ACAS

- Validation by Educational Experience (VEE):
 - VEE-Accounting and Corporate Finance
 - VEE-Economics
- Two CAS Online Courses:
 - Online Course 1—Risk Management and Ins Operations
 - Online Course 2—Insurance Accounting, Coverage Analysis, Insurance Law, and Insurance Regulation
- Course on Professionalism
- Exams

CAS Exams for ACAS

Preliminary Exams Satisfied via Other Organizations	CAS Exams
<ul style="list-style-type: none">– Exam 1: Probability– Exam 2: Financial Mathematics– Exam 3F: Financial Economics	<ul style="list-style-type: none">– Exam MAS I: Modern Actuarial Statistics I– Exam MAS II: Modern Actuarial Statistics II– Exam 5: Basic Techniques for Ratemaking and Estimating Claim Liabilities– Exam 6: Regulation and Financial Reporting (Nation Specific)<ul style="list-style-type: none">– United States, Canada, or Actuarial Institute of Chinese Taipei

Preliminary Exams

- **Waivers granted for exams offered by the following organizations:**
 - Society of Actuaries
 - Actuaries Institute (Australia)
 - Actuarial Society of South Africa
 - Canadian Institute of Actuaries
 - Institute and Faculty of Actuaries (UK)
 - Institute of Actuaries of India
 - China Association of Actuaries

Current CAS Syllabus to Reach FCAS

ACAS plus:

- Exam 7—Estimation of Policy Liabilities, Insurance Company Valuation, and Enterprise Risk Management
- Exam 8—Advanced Ratemaking
- Exam 9—Financial Risk and Rate of Return

Review and refresh syllabus content

- Modern Actuarial Statistics I and II (MAS-I and MAS-II) were added to the syllabus in 2018
 - 4-hour paper-and-pencil multiple choice exams offered every six months
 - Replace former Exam S and Exam 4 (SOA Exam C)
 - Address the emerging needs of future actuaries and their employers
 - Increase the relevance of the CAS exam syllabus with respect to emerging statistical and analytical skills
 - In the future, Fellowship exams will be updated to incorporate these techniques learned in earlier exams

Modern Actuarial Statistics I (MAS-I)

Similar to Exam S, but with more emphasis on applied modeling and a deeper coverage of generalized linear models

Topics Covered:

- Probability Models (Stochastic Processes and Survival Models)
- Statistics
- Extended Linear Models
- Time Series with Constant Variance

Modern Actuarial Statistics II (MAS-II)

Covers several topics from the former Exam 4, along with new statistics and predictive analytics material

Topics Covered:

- Introduction to Credibility
- Linear Mixed Models
- Bayesian Analysis and Markov Chain Monte Carlo
- Statistical Learning

Transform Delivery & Validation Methods

- Introduced Integrative Questions (IQ's) on Fellowship Exams (Exams 7, 8, and 9) starting in 2017
 - Larger questions, typically worth 10-15% of the exam points
 - Can synthesize material across multiple learning objectives
 - Expect to increase the number of IQ's over time
- Technology-based Exams (TBE) Initiative
 - Excel-based exams offered for Exam 5 in Spring 2018
 - Lessons learned from first pilot
 - Additional work needed on logistics of TBE exams
 - Future TBE deferred at this time

Basic Education Summary

- Syllabus is constantly being ***adapted*** and ***refreshed***
- Curriculum reflects experience of ***practicing actuaries*** who understand what is required to practice in the casualty actuarial field
- ***Most robust and comprehensive*** framework for training P&C actuaries
- Proven commodity and ***highly-valued*** around the world by employers and other stakeholders
- Adaptive to meet the ***future needs*** of employers and other stakeholders

Advice to Students

Common question: Do the CAS and SOA exam structures require students to decide earlier which exam path to take?

Maybe, but keep in mind:

- Few students take more than three exams while in school
- Students also do internships, projects, job-shadowing
- Each society is responding to different needs of different stakeholders
- Not necessarily in the long-term best interest of students to emphasize exams over other experiences (internships, projects, leadership, etc.)



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Questions and Discussion