# Use of the CPA Exam as a Direct Measure of Assessment

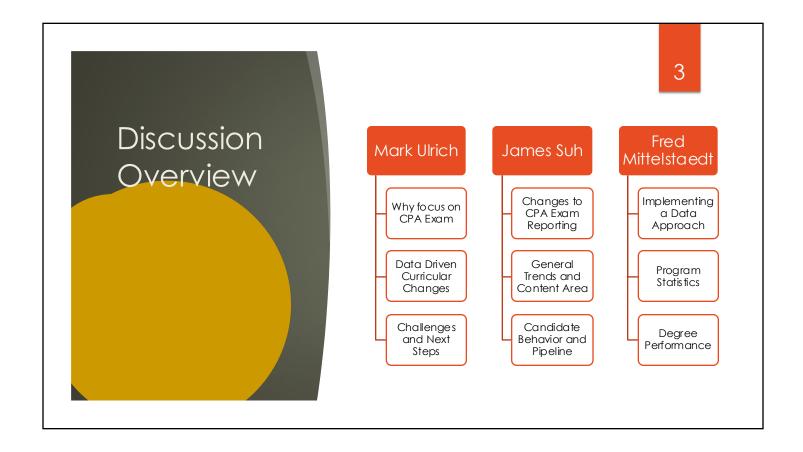
FRED MITTELSTAEDT UNIVERSITY OF NOTRE DAME
MARK ULRICH ST. JOHN'S UNIVERSITY
JAMES SUH NASBA

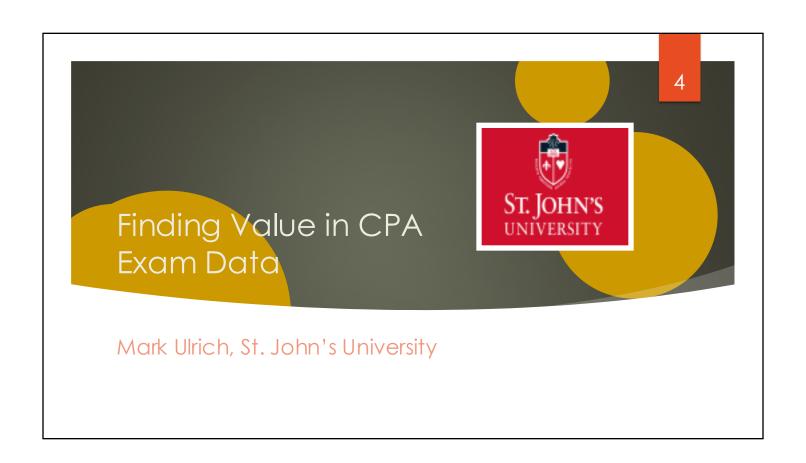
### Standard 4: [Student Admissions, Progression, and Career Development]

#### Basis for Judgement

▶ In addition to public disclosure information required by national or regional accreditors, schools provide reliable information to the public on their performance, including student achievement information as determined by the school. Examples of such information include: attrition and retention rates; graduation rates; job placement outcomes; certification or licensure exam results; and employment advancement. This information should be available on the school's website as well as by other means determined by the school. Schools are expected to make this information available on the school website by July 1, 2016.

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### Department of Accounting and Taxation

- ▶ Main campus in Queens, New York City
- ▶ Approx 25 full-time faculty (plus adjuncts from Big-4 firms)
- ► Approx. 800 majors
- ▶ Campus in Manhattan, Staten Island, Rome
- Double AACSB Accreditation
- ▶ UG Accounting and Combined Degree programs (BS/MS)
- MS and MBA Accounting, MS and MBA Tax, MS and MBA ERM



► "The Department of Accounting and Taxation prepares students for professional careers in accounting, taxation, enterprise risk management, and related fields and serves as a center for academic research..."



# Strengthening the argument for exam focus

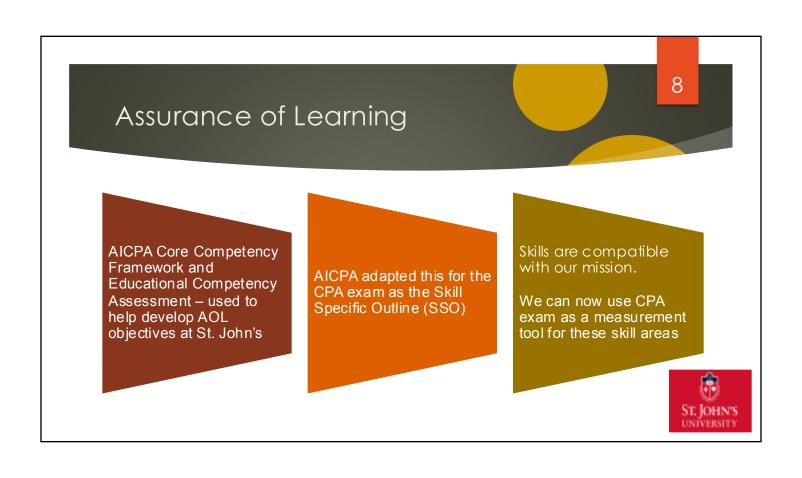


Repositioning the Strategic Plan—August 2011



"Develop plan within The Peter J. Tobin College of Business to significantly increase the CPA pass rate to above the industry average."





# CPA Exam skill areas directly link to the AACSB Skills Expectations

Skill Specification Outline (AICPA)	AACSB Standard #9 General Skill Areas			
Written Communication	Written and Oral Communication			
Apply knowledge of professional standards and laws, as well as legal, ethical, and regulatory issues. (under Complex Problem Solving and Judgment)	Ethical Understanding and Reasoning			
Analysis, Complex Problem Solving and Judgment, Decision Making	Analytical Thinking			
Application of Technology	Information Technology			
Develop detailed work plans, schedule tasks and meetings, and delegate assignments and tasks. (under Organization, Efficiency, and Effectiveness)	Interpersonal Relations and Teamwork			
Exchange technical information and ideas with coworkers and other professionals to meet goals of job assignment. (Under Written Communication)	Diverse and Multicultural Work Environments			
Decision Making, Complex Problem Solving and Judgment	Reflective Thinking			
Research, Complex Problem Solving and Judgment	Application of Knowledge			

# Select Curricula Changes and Initiatives

### Curricula Changes

Auditing course in Bachelor only program

Financial reporting sequence

Cost accounting sequence

#### Initiatives

Increased GMAT score for admission

Subsidized CPA Exam Review Courses

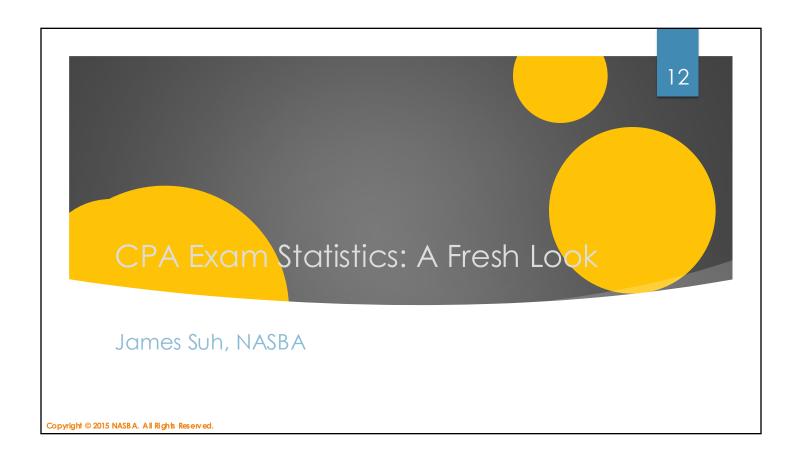
CPA advisement/planning sessions

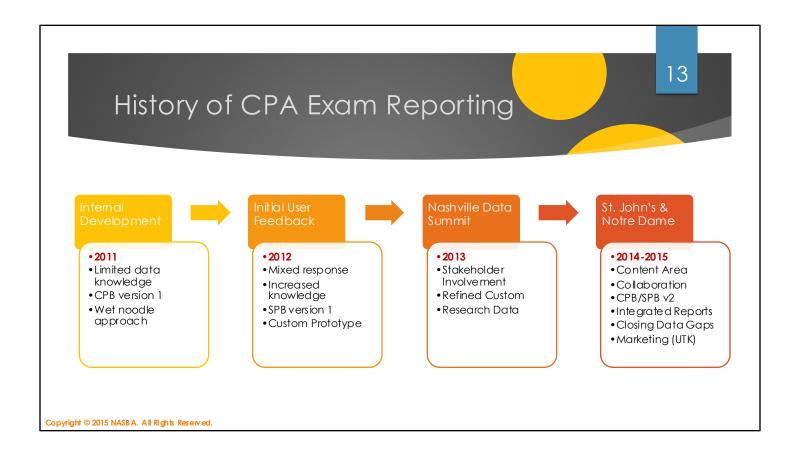


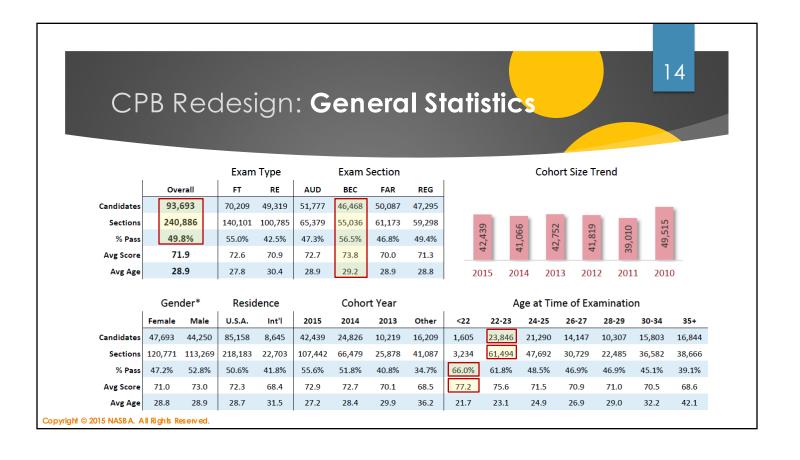
Thinking about the future

- Use content specific performance for directed (course level) curricula changes
- Continue working with NASBA, along with other schools, to improve data collection and reporting methodology
- ▶ Plan for 2017 changes to the CPA examination (CSO/SSO to Blueprint)









### CPB Redesign: Pipeline Statistics

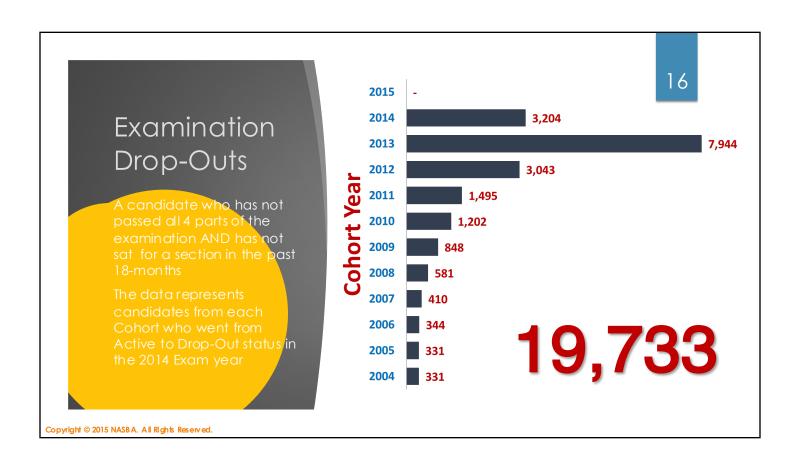
Pipeline: Cohort Activity, Attempts, Passing 4

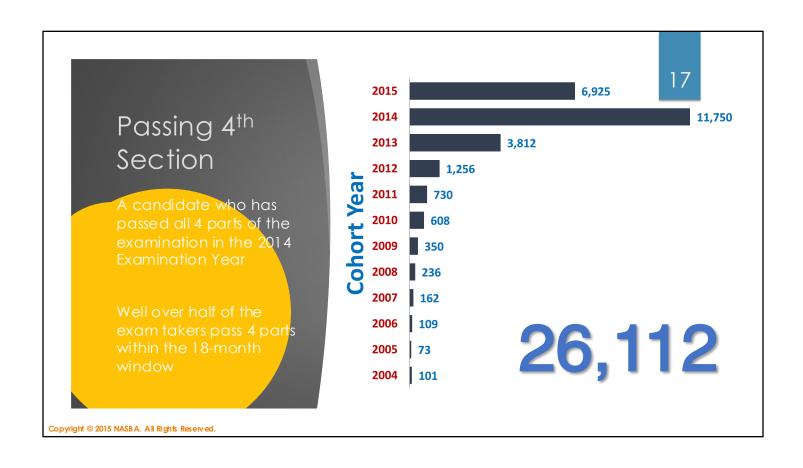
Cohort: Activity & Lost Credit								
	2015 2014		2013	Other				
Pass 4	6,925	11,750	3,812	3,625				
Active	33,736	11,498	5,518	11,050				
active	1,778	7,789	3,244	5,225				
Drop	0	3,204	7,944	8,585				
ost Cd	0	1,271	3,319	3,598				

From 1st Section: Attempted								
	Cand	Secs	% Tot	% Pass	Score			
<6	51,570	109,759	45.6%	55.6%	72.9			
<12	25,797	40,355	16.8%	53.9%	73.3			
<18	17,100	26,571	11.0%	48.4%	72.0			
<24	8,779	14,253	5.9%	40.1%	69.9			
>24	20,929	49,948	20.7%	37.1%	69.2			
1	02.602	240.000	100%	40.00/	71.0			

	From 1st Section: Pass 4 Parts									
	Cand	Secs	Sec/Cd	% Tot	% Pass					
<6	1,326	5,432	4.10	5.1%	97.6%					
<12	5,599	24,061	4.30	21.4%	93.1%					
<18	7,177	35,529	4.95	27.5%	80.8%					
<24	4,573	27,223	5.95	17.5%	67.2%					
>24	7,437	77,331	10.40	28.5%	38.5%					
Total	26,112	169,576	6.49	100%	61.6%					
	$\overline{}$									

- "From 1st Section" acts as a proxy for Graduation Date
- ▶ Roughly 60-62% of candidates ultimately pass 4 parts of exam
- ► Candidates lost **8,188** total credits in 2015 (~6.8% of credits earned)





### CPB Redesign: Section Statistics

Cohort Performance: Section, Content Area, Skills Area

	AUD				BEC			FAR			REG					
	Cand	Secs	% <b>P</b>	Score	Cand	Secs	% <b>P</b>	Score	Cand	Secs	% <b>P</b>	Score	Cand	Secs	% <b>P</b>	Score
Overall	51,777	65,379	47.3%	72.7	46,468	55,036	56.5%	73.8	50,087	61,173	46.8%	70.0	47,295	59,298	49.4%	71.3
2015	25,057	28,927	51.5%	73.4	21,875	23,666	65.5%	75.6	27,481	30,946	52.5%	70.9	21,126	23,903	54.6%	72.1
2014	13,795	18,827	48.6%	73.3	12,491	15,160	59.9%	74.6	10,712	13,960	47.2%	70.5	13,926	18,532	52.1%	72.3
2013	4,979	6,908	40.1%	71.0	4,395	5,955	43.8%	71.5	4,563	6,333	38.1%	68.4	4,756	6,682	41.5%	69.7
Other	7,946	10,717	37.0%	70.2	7,707	10,255	34.4%	68.9	7,331	9,934	31.7%	66.6	7,487	10,181	35.7%	68.1

#### **CBTe Content Area**

#### **AUD**

Accounting and Review Services(12-16%) Evaluation and Reporting(16-20%)

Procedures and Evidence (16-20%)

Professional Responsibilities (16-20%)

Understanding the Engagement (12-16%)

Understanding the Entity (16-20%)

#### **BEC**

Corporate Governance (16-20%)

Economic Concepts and Analysis (16-20%)

Financial Management (19-23%)

Information Systems (15-19%)

Operations Management (12-16%)

Strategic Planning (10-14%)

#### **FAR**

Financial Statement Accounts (27-33%)

Framework and Standards (17-23%)

Governmental (8-12%)

Not-for-Profit (8-12%)

Specific Transactions/Events (27-33%)

#### **REG**

Business Law (17-21%)

Ethics & Legal Responsibilities (15-19%)

Federal Tax Process (11-15%)

Taxation on Entities (18-24%)

Taxation on Individuals (13-19%)

Taxation on Property Transactions(12-16%)

### CPB Redesign: Content Area Statistics

AUD	Un Eng	Un Ent	Pro Evi	Evl Rpt	Acc Rev	Pro Res	Sim	BEC	Crp Gov	Eco Con	Fin Mgt	Info Sy	Str Pla	Op Mgt	Writ
Overall	65.3%	59.6%	59.4%	60.3%	61.1%	62.0%	53.6%	Overall	64.6%	61.0%	57.5%	66.5%	59.1%	60.0%	70.1%
2015	67.3%	62.5%	62.3%	62.4%	61.1%	64.0%	55.2%	2015	67.0%	65.5%	63.3%	68.8%	65.3%	64.8%	77.0%
2014	66.0%	60.9%	60.1%	61.0%	62.0%	63.6%	55.1%	2014	66.6%	63.4%	60.2%	67.1%	61.3%	62.3%	70.7%
2013	62.0%	55.3%	55.1%	55.9%	61.0%	58.7%	49.2%	2013	60.3%	53.7%	48.5%	61.8%	51.1%	54.3%	61.8%
Other	59.9%	51.0%	51.9%	55.0%	59.7%	55.3%	48.6%	Other	56.6%	48.5%	41.8%	61.6%	42.4%	46.0%	54.6%
FAR	Frm Std	Fin Sta	Spc Trn	Gov't	NFP		Sim	REG	Eth Leg	Bus Law	Fed Tx	Tx Pro	Tx Ind	Tx Ent	Sim
FAR Overall		Fin Sta 49.2%	Spc Trn 50.5%	<b>Gov't</b> 59.0%	NFP 59.5%		Sim 48.2%	REG Overall	_	Bus Law 60.5%	Fed Tx 63.0%	Tx Pro 60.6%	Tx Ind 58.0%	Tx Ent 55.4%	Sim 49.0%
			•						70.8%						
Overall	54.6%	49.2%	50.5%	59.0%	59.5%		48.2%	Overall	70.8%	60.5%	63.0%	60.6%	58.0%	55.4%	49.0%
Overall 2015	54.6% 58.1%	49.2% 54.9%	50.5% 55.2%	59.0% 62.5%	59.5% 61.1%		48.2% 51.3%	Overall 2015	70.8% 70.7% 72.1%	60.5% 64.4%	63.0% 64.5%	60.6% 63.8%	58.0% 60.3%	55.4% 59.1%	49.0% 52.1%
Overall 2015 2014	54.6% 58.1% 54.3% 49.7%	49.2% 54.9% 49.4%	50.5% 55.2% 50.7%	59.0% 62.5% 59.6%	59.5% 61.1% 60.2%		48.2% 51.3% 48.5%	Overall 2015 2014	70.8% 70.7% 72.1% 70.9%	60.5% 64.4% 62.8%	63.0% 64.5% 64.1%	60.6% 63.8% 63.0%	58.0% 60.3% 58.9%	55.4% 59.1% 57.9%	49.0% 52.1% 51.4%

### North Carolina Univ: Testing Patterns

21

#### **National**

Attempt timing notably earlier than National

- ► 66% Eventually Pass 4 in NC
- Timing of Passing 4 Parts (Key Metric)

Pipeline: Cohort Activity, Attempts, Passing 4

Cohort: Activity & Lost Credit							
	2015	2014	2013	Other			
Pass 4	6,925	11,750	3,812	3,625			
Active	33,736	11,498	5,518	11,050			
Inactive	1,778	7,789	3,244	5,225			
Drop	0	3,204	7,944	8,585			
Lost Cd	0	1,271	3,319	3,598			

Troil 13t Section. Attempted								
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<12	25,797	40,355	16.8%	53.9%	73.3			
<18	17,100	26,571	11.0%	48.4%	72.0			
<24	8,779	14,253	5.9%	40.1%	69.9			
>24	20,929	49,948	20.7%	37.1%	69.2			
Total	93,693	240,886	100%	49.8%	71.9			

From 1st Section: Pass 4 Parts								
	Cand	Secs	Sec/Cd	% Tot	% Pass			
<6	1,326	5,432	4.10	5.1%	97.6%			
<12	5,599	24,061	4.30	21.4%	93.1%			
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<24	4,573	27,223	5.95	17.5%	67.2%			
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Total	26,112	169,576	6.49	100%	61.6%			

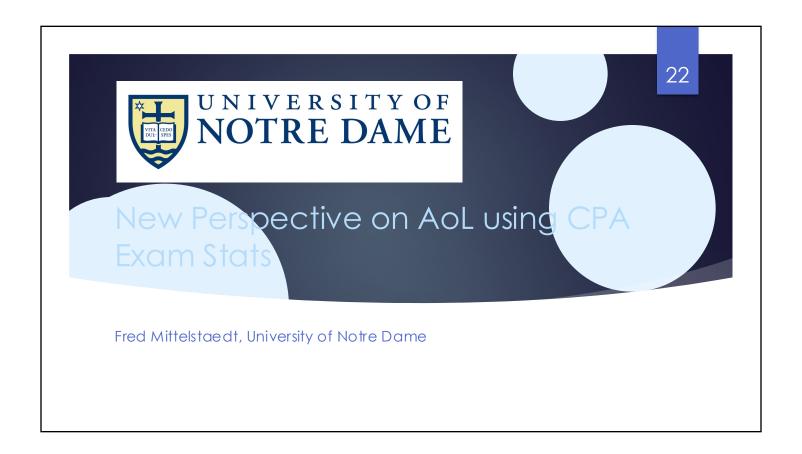
#### North Carolina Universities

Pipeline: Cohort Activity, Attempts, Passing 4

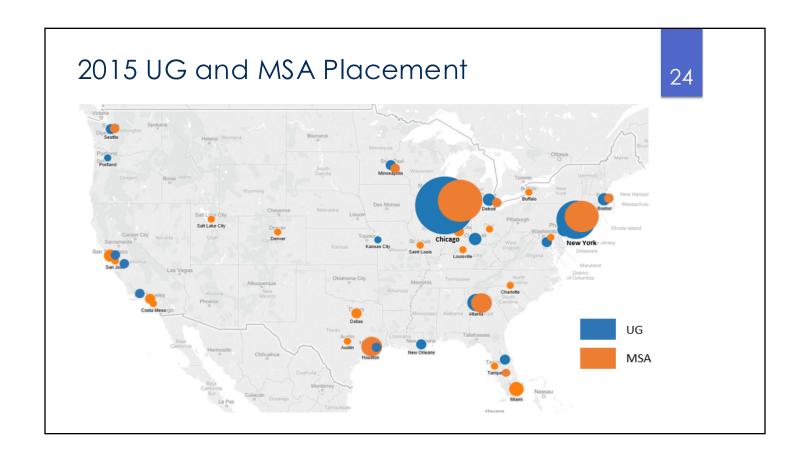
Cohort: Activity & Lost Credit							
	2015 2014 2013 Othe						
Pass 4	235	205	59	61			
Active	603	181	89	182			
Inactive	18	136	53	82			
Drop	0	37	122	134			
Lost Cd	0	29	51	56			

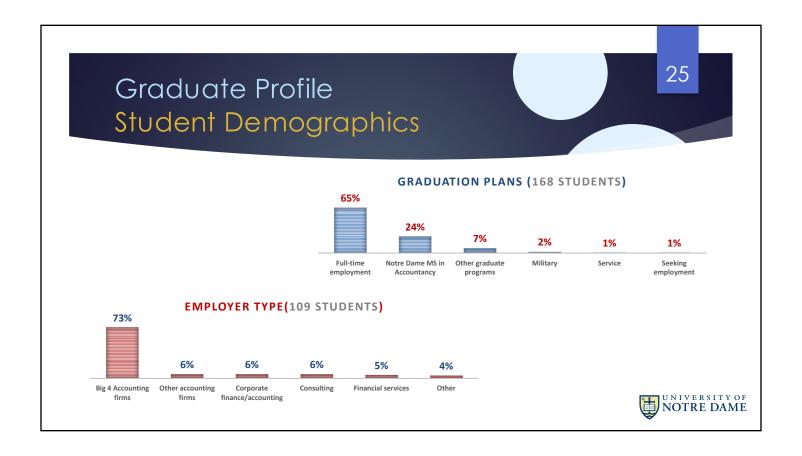
From 1st Section: Attempted								
	Cand	Secs	% Tot	% Pass	Score			
<6	1,006	2,558	53.3%	59.8%	74.8			
<12	496	761	15.9%	58.2%	74.3			
<18	299	474	9.9%	48.1%	72.4			
<24	145	229	4.8%	36.2%	70.0			
>24	351	774	16.1%	41.6%	70.1			
Total	1,710	4,796	100%	54.3%	73.5			

From 1st Section: Pass 4 Parts								
	Cand	Secs	Sec/Cd	% Tot	% Pass			
<6	26	107	4.12	4.6%	97.2%			
<12	209	914	4.37	37.3%	91.5%			
<18	108	574	5.31	19.3%	75.3%			
<24	97	566	5.84	17.3%	68.6%			
>24	120	1,208	10.07	21.4%	39.7%			
Total	560	3,369	6.02	100%	66.5%			



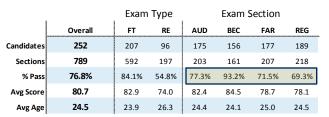








# Standard CPA Exam Report 2015 Univ Notre Dame





**Cohort Size Trend** 

	Gender*		Residence		Cohort Year				Age at Time of Examination						
	Female	Male	U.S.A	Int'l	2015	2014	2013	Other	<22	22-23	24-25	26-27	28-29	30-34	35+
Candidates	109	141	249	4	152	62	19	19	11	160	59	20	13	16	6
Sections	355	431	783	6	522	162	47	58	22	496	139	51	27	39	15
% Pass	79.7%	74.3%	77.0%	50.0%	84.9%	68.5%	53.2%	38.9%	81.8%	83.9%	65.5%	58.8%	74.1%	59.0%	53.3%
Avg Score	80.9	80.5	80.7	76.7	83.3	76.5	74.5	72.9	84.5	82.6	77.2	76.2	76.9	76.5	77.4
Avg Age	23.9	25.0	24.5	25.2	23.7	24.9	26.3	30.6	21.7	23.0	24.8	27.0	28.6	32.4	39.8

# Name Matched CPA Exam Report Comparing two Degrees

AUD	Secs	%Р	Un Eng	Un Ent	Pro Evi	Evl Rpt	Acc Rev	Pro Res	Sim
Nat ('15)		47.3%	65.4%	59.7%	59.4%	60.2%	61.2%	62.2%	53.5%
BBA Only	405	73.3%	78.7%	83.4%	75.9%	73.0%	71.5%	82.9%	78.2%
MSA Program	421	75.1%	77.7%	85.9%	80.6%	78.2%	72.2%	86.6%	74.6%
BBA/MSA Delta		1.7%	-1.0%	2.5%	4.6%	5.2%	0.7%	3.7%	-3.6%
5.5.6	•	0/5		- 0			C. D.		147.1
BEC	Secs	%P	Crp Gov	Eco Con	Fin Mgt	Info Sy	Str Pla	Op Mgt	Writ
Nat ('15)		55.5%	64.6%	60.9%	57.2%	66.4%	59.0%	59.9%	70.1%
BBA Only	337	94.1%	88.7%	86.6%	83.6%	80.4%	86.3%	82.4%	96.4%
MSA Program	351	94.9%	88.8%	87.6%	90.8%	83.9%	87.1%	86.8%	95.4%
BBA/MSA Delta		0.8%	0.1%	1.0%	7.2%	3.6%	0.8%	4.3%	-1.0%

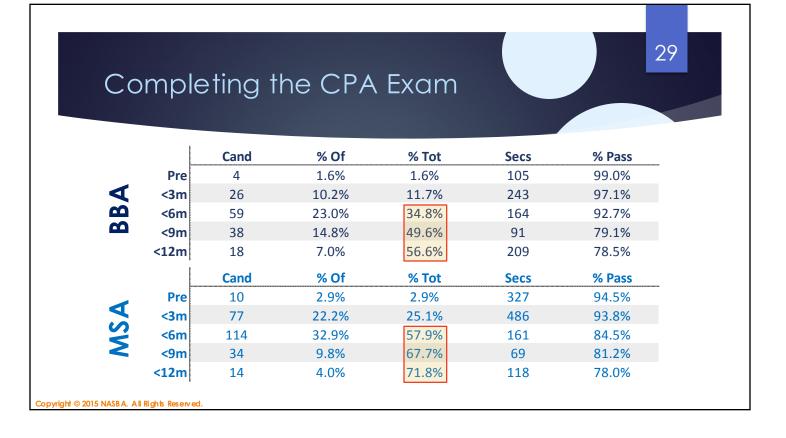
Name Matched CPA Exam Report
Comparing two Degrees

28

FAR	Sections	% Pass	Frm Std	Fin Sta	Spc Trn	Gov't	NFP		Sim	١
Nat ('15)		46.8%	54.5%	49.0%	50.4%	58.9%	59.4%		48.1%	ı
BBA Only	413	67.8%	64.3%	69.7%	72.1%	72.1%	71.6%		64.6%	ı
MSA Program	393	79.6%	79.5%	80.8%	81.0%	80.5%	78.2%		72.8%	
BBA/MSA Delta		11.8%	15.2%	11.1%	8.9%	8.4%	6.6%		8.3%	
REG	Secs	%Р	Eth Leg	Bus Law	Fed Tx	Tx Pro	Tx Ind	Tx Ent	Sim	
Nat ('15)		49.4%	63.6%	60.1%	61.1%	56.6%	58.8%	53.4%	50.8%	

**BBA Only** 421 68.9% 83.6% 81.0% 76.0% 73.8% 69.8% 66.2% 66.4% **MSA Program** 420 73.1% 86.1% 81.3% 77.0% 78.7% 77.3% 73.9% 69.1% **BBA/MSA** Delta 2.6% 0.4% 1.1% 4.9% 7.5% 7.7% 2.7%





Year by year analysis

Analyze all students in MSA program

Separate analysis of the MSA Tax and Financial concentrations

Formal incorporation of CPA results into our AoL plan

### Summary and Closing