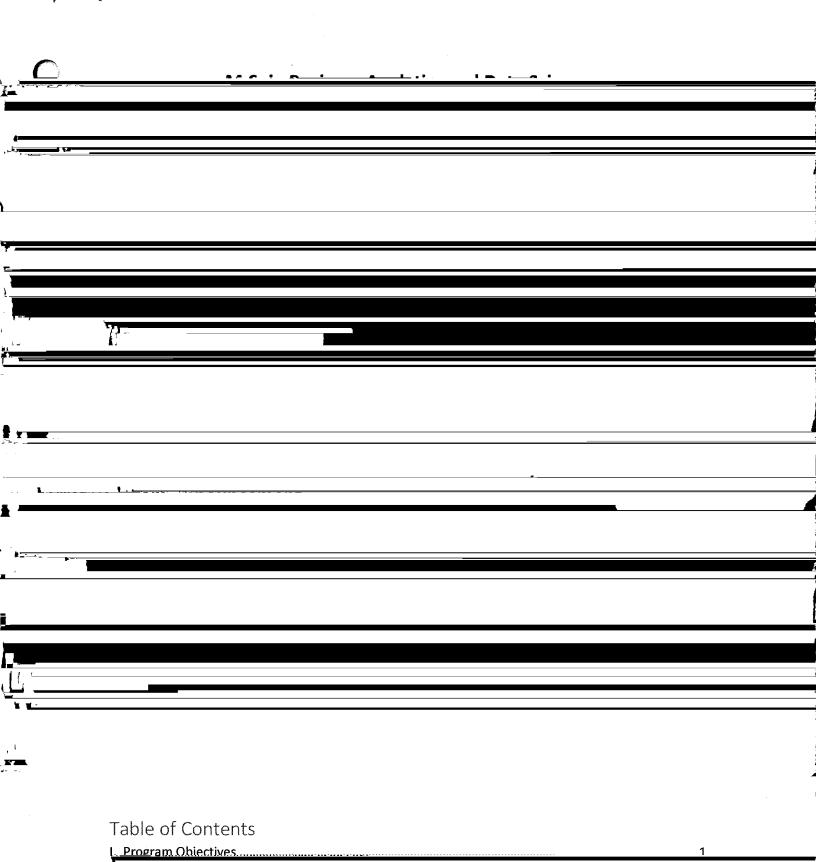
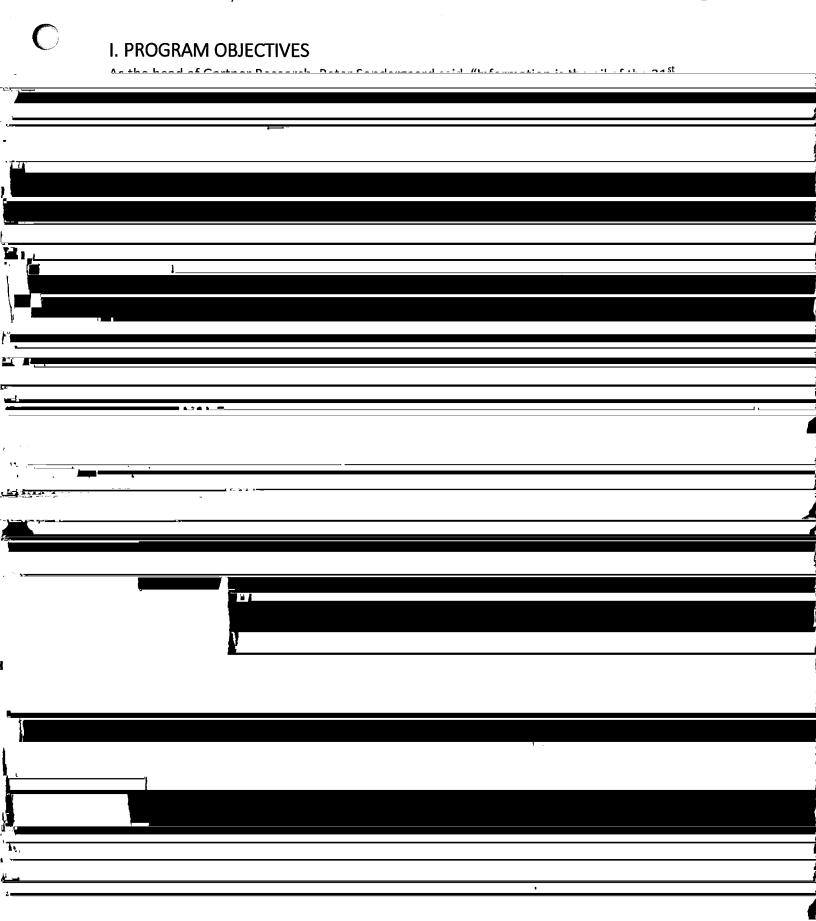
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Electives	12
 Appendix B. Reference	15



# II. EVALUATION AND LEARNING OUTCOMES ASSESSMENT PLAN

Overview

Program faculty and other stakeholders will assess the program on an on-going basis on the following

#### components:

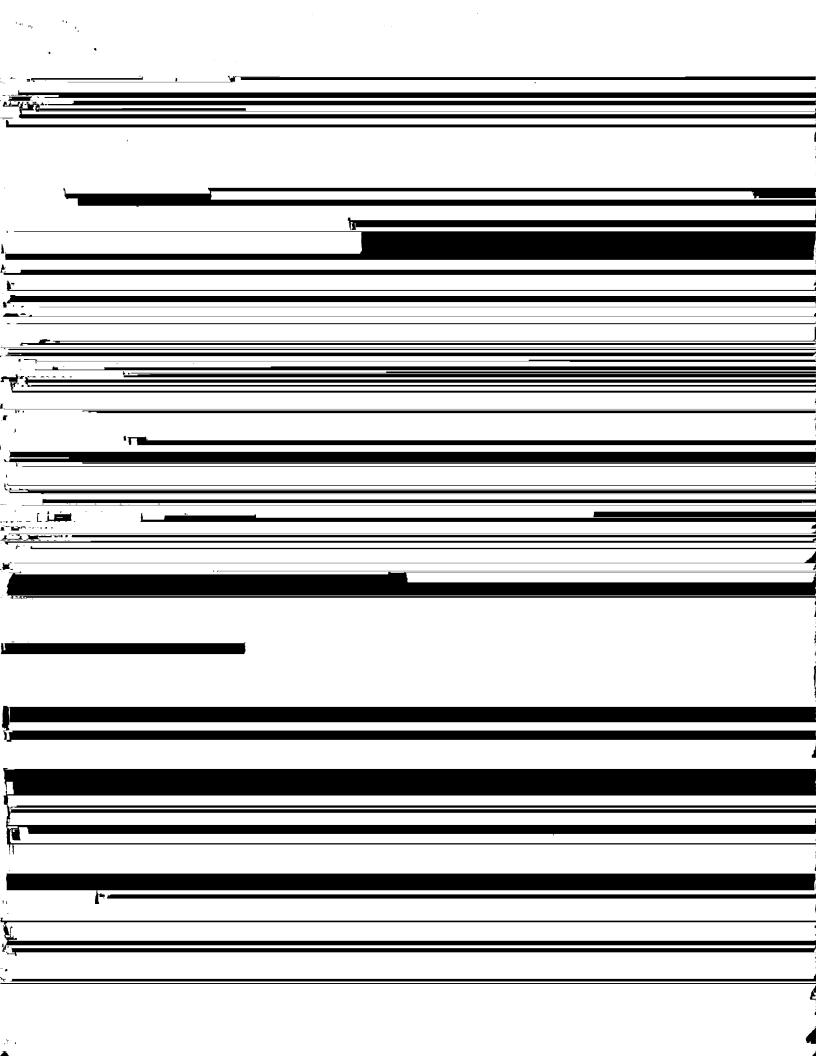
- 1. Definition of learning outcomes and alignment of the curriculum.
- 2. Design of assessment tools.

- 4. Dissemination of results.
- 5 Captinuous improvement of the curricula instruction and the accomment process

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	Learning Outcome	Measure	
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Comparison to Other Masters Programs

The following universities in New Igners offer are ducts unconsumed attaches

advantage of the rich pool of IT professionals working at the businesses in the area, who will be a good fit for this program.

A marketing plan for the program that involves online, print, and radio advertisements, open houses, and direct outreach to potential candidates will be put together to drive recruitment.

**Estimated Student Enrollment** 

expected to reach over sixty students by year five.

Academic Year	New Students	Continuing Students*	TOTAL
Year 1	15	0	15
Year 2	20	14	34
Year 3	25	18	43
Year 4	30	23	53
Year 5	35	27	62

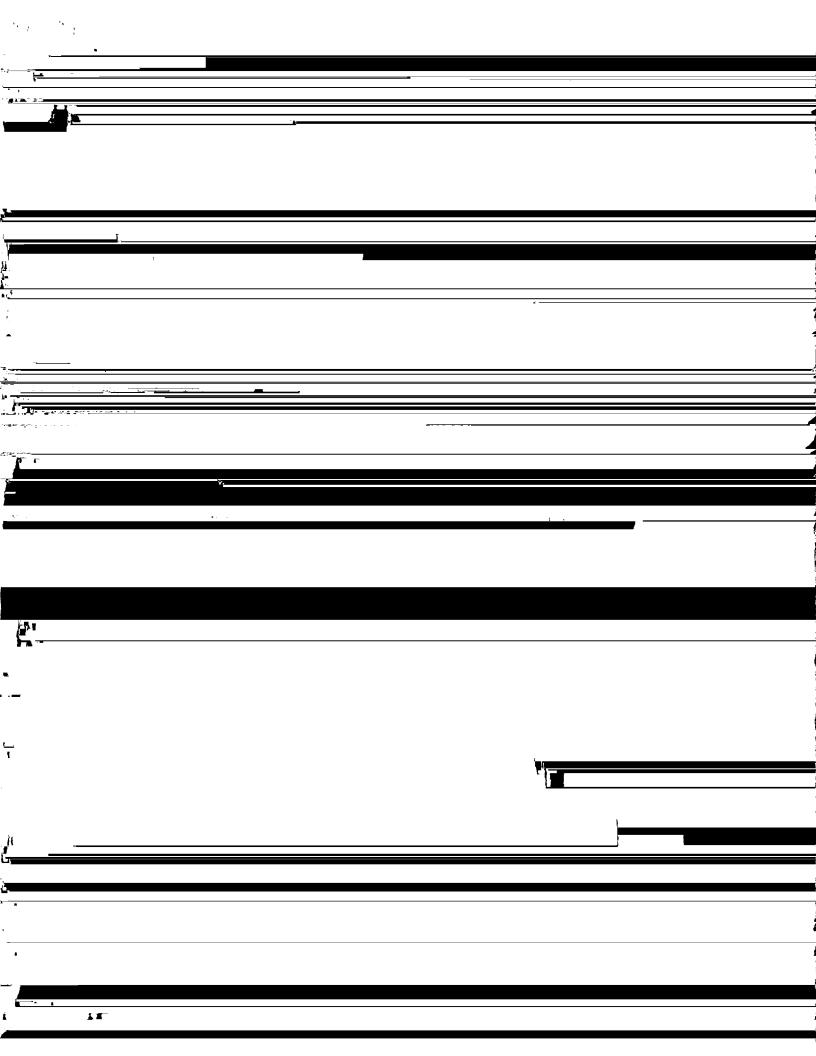
<sup>\*</sup>Assuming approximately 10% attrition rate per year

Revenue: Tuition and Fees

The revenue from tuition and fees, based on projected student enrollment is detailed below:

Δς <u>2demic Vear</u> Min of Students encolled <u>Tuition and Engr*</u>
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	Summary						
		Year 1	Year 2	Year 3	Year 4	Year 5	
	Revenue	\$207,805	\$443,318	\$560,085	\$688,727	\$805,494	
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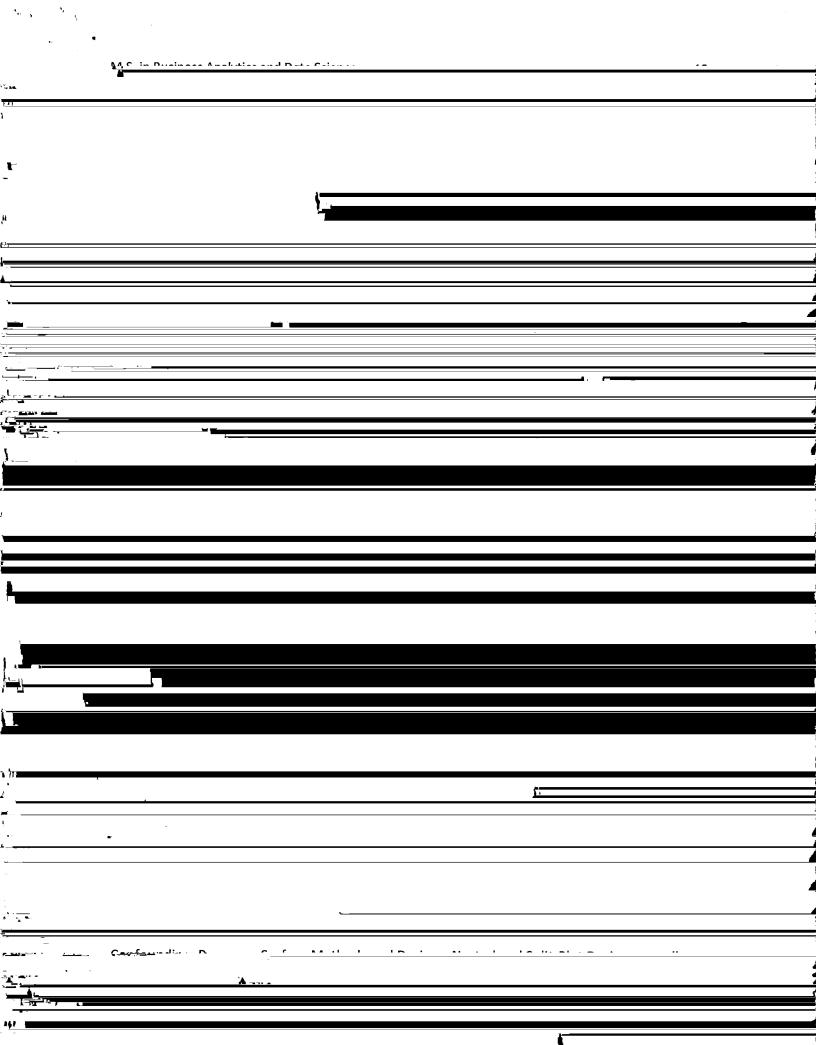
A current resume / curriculum vitáe that outlines the applicant's educational background, employment history, professional activities, and other activities that provide support for the

Resume Curriculum Vitae

	Fall	BADS 615	Data Visualization and Communication	3
	Fall		Elective 1	3
Year 2	Fall		Elective 2	3
	Spring		Elective 3	3
	Spring		Elective 4	3

# **APPENDIX A.** Course Descriptions

**Core Courses** BADS 601 Introduction to Data Science



### FINC 625 Financial Modeling

This course will cover standard financial models in the areas of corporate finance, portfolio management and valuation of options and other securities. Various techniques such as Monte Carlo simulation and optimization will be covered. Implementation of these models in Excel or R will be covered.

#### Management Electives

♦ (Critz ToVA ) of a resident

This course will provide students with a thorough understanding of supply chain analytics such as location decision, inventory control, quality assurance (QA), quality function deployment (QED)—supplies selection, and multi-criteria decision making. Supply Chain Applytics is one of

the crucial business areas using business intelligence applications and dealing with Big Data.

Students will be exposed to aforementioned critical and effective techniques used in supply



### **ACCT XXX Auditing and Data Analytics**

This course will give students a good understanding of using data analysis in the field of public auditing and internal auditing.

### ACCT XXX Big Data Ethics and Governance

This course will explore the ethics behind the use of Big Data. Issues around privacy and confidentiality of data and transparency of data will be discussed. Governance issues around big data will also be addressed.

big data will also be addressed. ACCT YYY Forencie Association and Dia Date Analytics

detect white collar crime and fraud.

# APPENDIX B.

## References

http://www.cio.com/article/3013566/analytics/lack-of-big-data-talent-hampers-corporate-analytics.html?token=%23tk.CIONLE\_nlt\_cio\_insider\_2015-12-

analytics.html?token=%23tk.CIONLE\_nlt\_cio\_insider\_2015-1211&idg\_eid=40f368376f5ba6a57dc57f32f5ea2278&utm\_source=Sailthru&utm\_medium=email&utm\_campaign=CIO%20Daily%202015-12-

11&utm\_term=cio\_insider#tk.CIO\_nlt\_cio\_insider\_2015-12-11

Davenport, T., & Patil, D.J. (2012). *Data Scientist: The Sexiest Job of the 21<sup>st</sup> Century*. Retrieved from https://hbr.org/2012/10/data-scientist-the-sexiest-job-of-the-21st-century/ar/pr

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