



## Master of Science in Business Analytics

▪ <b>College:</b>	College of Business Administration
▪ <b>Department:</b>	Management Information Systems
▪ <b>Degree:</b>	Master of Science Degree
▪ <b>Program Title:</b>	Master of Science in Business Analytics
▪ <b>Program Duration:</b>	Two Years (2)
▪ <b>Credit hours:</b>	31
▪ <b>Graduation Requirements:</b>	<ul style="list-style-type: none"><li>• Complete 31 credit Hours</li><li>• Successfully passing the Thesis or Capstone Project</li></ul>
▪ <b>Program System:</b>	<ol style="list-style-type: none"><li>1. Coursework Track</li><li>2. Thesis Track</li></ol>
▪ <b>Minor Specialization:</b>	Not Applicable

▪ *Study plan:*

1. Coursework

Components	Credit Hours
Core Courses	25
Elective-1	3
Elective-2	3
Total Credit Hours	31



## Master of Science in Business Analytics

YEAR 1											
Term-1			Term - 2			Term - 3					
		Hrs	→			Hrs	→			Hrs	
MIS-601	Business Analysis & Planning	3	→	MIS-603	Math and Stats for Analytics	3	→	MIS-605	Data Analysis & Learning	3	
MIS-602	Programming for Analytics	3	→	MIS-604	Data Management & Visualization	3	→	MIS-606	Decision Making and Optimization	3	
YEAR 2											
Term - 4			Term - 5			Term - 6					
		Hrs	→			Hrs	→			Hrs	
MIS-640	Analytics in Industry	3	→	Elective-II (business)			3	→	MIS-698	Capstone Project	3
	Elective-I (Technical)	3	→	MIS-695	Proposal Seminar	1	→				

### 2. Thesis

Components	Credit Hours
Core Courses	22
Elective-1	3
Thesis	6
<b>Total Credit Hours</b>	<b>31</b>

YEAR 1											
Term-1			Term - 2			Term - 3					
		Hrs	→			Hrs	→			Hrs	
MIS-601	Business Analysis & Planning	3	→	MIS-603	Math and Stats for Analytics	3	→	MIS-605	Data Analysis & Learning	3	
MIS-602	Programming for Analytics	3	→	MIS-604	Data Management & Visualization	3	→	MIS-606	Decision Making and Optimization	3	
YEAR 2											
Term - 4			Term - 5			Term - 6					
		Hrs	→			Hrs	→			Hrs	
MIS-640	Analytics in Industry	3	→	Proposal Seminar			1	→	MIS-699	Thesis	6
	Elective-I (Technical)	3	→				→				

### 3. Elective Courses

Elective-I (technical) Courses					
Code	Course Title	LT	Lab	CR	Pre. Req.
MIS-610	Queuing & Simulation Modeling	4	0	3	MIS-603
MIS-611	Time Series Analysis	4	0	3	MIS-603
MIS-612	Big Data Analytics	4	0	3	MIS-602 & 604
MGMT-654	Operations & Supply Chain Management	4	0	3	
MIS-617	Special Topics in Analytics	4	0	3	MIS-601/602
Elective-II (business) Courses					
Code	Course Title	LT	Lab	CR	Pre. Req.
MGMT-642	Project Management	4	0	3	
MIS-614	Digital Transformation	4	0	3	MIS-601
MGMT-681	Strategic Management	4	0	3	