

**MY DEGREE MAP  
COLLEGE OF BUSINESS APPROVED ACADEMIC PLAN  
DATA ANALYTICS MAJOR-PROGRAM YEAR 2022-23**

<b>1ST YEAR</b>			
1ST SEMESTER	HRS	2ND SEMESTER	HRS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	AREA III SCI/LAB COURSE	3/1
MTH 1112	3	AREA II HUM/FA COURSE	3
IS 2241	3	AREA IV HIS COURSE	3
AREA II FINE ARTS COURSE	3	ECO 2252	3
ECO 2251	3		
BUS 1110	1		
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>16</b>
<b>2ND YEAR</b>			
3RD SEMESTER	HRS	4TH SEMESTER	HRS
AREA II LIT COURSE	3	AREA II HUM/FA COURSE	3
LAW 2221	3	AREA IV SS COURSE	3
AREA III SCI/LAB COURSE	3/1	QM 2241	3
ACT 2291	3	ACT 2292	3
MGT 3300	3	MKT 3300	3
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
<b>3RD YEAR</b>			
5TH SEMESTER	HRS	6TH SEMESTER	HRS
FIN 3331	3	DA 3315	3
BUS 3310	1	QM 3342	3
IS 3346	3	FREE ELEC	2
BUS 2220	1	DA 4410	3
IS 3310	3	IS 3350	3
GIS 3390	3	BUS 3330	1
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>15</b>
<b>TO CONTINUE, STUDENTS MUST BE ADMITTED TO THE SCOB.</b>			
<b>4TH YEAR</b>			
7TH SEMESTER	HRS	8TH SEMESTER	HRS
BUS 4474	3	IS 4447	3
QM 3345	3	MKT 4464	3
HSTM 4431	3	IS 4494	3
DA 4440	3	BUS 4476	3
DA 4415	3		
<b>SUBMIT GRADUATION APPLICATION</b>			
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>12</b>
<b>TOTAL PROGRAM</b>			<b>120</b>

**COMPLETE ALL REQUIREMENTS**

**(45 HOURS)**

**AREA I**

TAKE THE FOLLOWING COURSES:

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	3 HOURS

MINIMUM GRADE OF "C" REQ

**AREA II**

TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE	3 HOURS
TAKE ANY 1000 2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA.	3 HOURS

TAKE ANY TWO 1000 2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/ FINE ARTS AREAS.	6 HOURS
--	---------

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

**AREA III**

TAKE MTH 1112 MINIMUM GRADE OF "C" REQ	3 HOURS
---	---------

TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS AND CORRESPONDING LAB) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO 1100/L100, BIO 1101/L101, BIO 1120/L120, BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, PHY 2252/L252, PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 2233/L233, SCI 2234/L234, SCI 2240/L240.	8 HOURS
--	---------

**AREA IV**

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY	3 HOURS
ECO 2251 PRINCIPLES OF MACROECONOMICS	3 HOURS
ECO 2252 PRINCIPLES OF MICROECONOMICS	3 HOURS
TAKE ONE 1000-2000 LEVEL COURSE FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS.	3 HOURS

**NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.**

**AREA V**

IS 2241 COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS
TROY 1101 THE UNIVERSITY EXPERIENCE	1 HOUR

**COLLEGE OF BUSINESS APPROVED ACADEMIC PLAN  
DATA ANALYTICS MAJOR-PROGRAM YEAR 2022-23**

**BUSINESS CORE**

**(37 HOURS)**

MINIMUM GRADE OF 'C' REQUIRED IN ALL 2000 LEVEL BUSINESS CORE COURSES, UNLESS COMPLETED AT TROY. STUDENTS MUST HAVE A 2.0 AVERAGE IN ALL OF THE FOLLOWING LOWER-LEVEL BUSINESS COURSES BEFORE BEING ADMITTED TO THE BUSINESS PROGRAM: IS 2241, ACT 2291/2292, ECO 2251/2252, QM 2241, LAW 2221, MGT 3300, MKT 3300.

TAKE THE FOLLOWING COURSES:

ACT	2291	PRINCIPLES OF ACCOUNTING I	3 HOURS
ACT	2292	PRINCIPLES OF ACCOUNTING II	3 HOURS
LAW	2221	LEGAL ENVIRONMENT OF BUSINESS	3 HOURS
QM	2241	BUSINESS STATISTICS AND DATA ANALYTICS	3 HOURS
MGT	3300	PRINCIPLES OF MANAGEMENT	3 HOURS
MKT	3300	PRINCIPLES OF MARKETING	3 HOURS

**PROFESSIONAL DEVELOPMENT AND ENGAGEMENT**

BUS	1110	ORIENTATION TO SCOB	1 HOUR
BUS	2220	BUSINESS WRITING	1 HOUR
BUS	3330	PROFESSIONAL DEVELOPMENT	1 HOUR

**UPPER-LEVEL CORE**

BUS	3310	INTERMEDIATE EXCEL	1 HOUR
FIN	3331	MANAGERIAL FINANCE	3 HOURS
IS	3310	INTRODUCTION TO INFO SYSTEMS & DATA ANALYTICS	3 HOURS
QM	3345	OPERATIONS MANAGEMENT	3 HOURS
BUS	4474	BUSINESS AND SOCIETY	3 HOURS
BUS	4476	STRATEGIC MANAGEMENT	3 HOURS

**DATA ANALYTICS MAJOR**

**(36 HOURS)**

GIS	3390	FUNDAMENTALS OF GEOSPATIAL INFORMATION & ANALYSIS	3 HOURS
HSTM	4431	ANALYTICS IN HSTM	3 HOURS
IS	3315	ADVANCED APPLICATIONS FOR ACCOUNTING	3 HOURS
IS	3346	DATABASE MGT SYSTEMS I	3 HOURS
IS	3350	BUSINESS PROGRAMMING	3 HOURS
DA	4410	BUSINESS DATA MINING I	3 HOURS
DA	4415	BIG DATA ANALYTICS AND VISUALIZATION	3 HOURS
DA	4440	BUSINESS MINING II	3 HOURS
IS	4447	SYSTEM ANALYSIS AND DESIGN	3 HOURS
IS	4494	GUIDED RESEARCH	3 HOURS
MKT	4464	MARKETING RESEARCH	3 HOURS
QM	3342	INTRODUCTION TO OPERATIONS RESEARCH	3 HOURS

**FREE ELECTIVES REQUIREMENT**

**(2 HOURS)**

TAKE 2 SEMESTER HOURS OF FREE ELECTIVE CREDIT	2 HOURS
---	---------