

**HSU SCHOOL OF BUSINESS**  
**Bachelor of Business Administration**  
**DATA SCIENCE**

**(2020-2021 Catalog)**

This is a suggested program of courses. It does **not** substitute for the HSU catalog.

Version 2020/2/11

**PR = pre-requisite. Students are responsible for successfully completing all course pre-requisites before taking the course.**

**FRESHMAN**

FALL			
CSC 1104 CSC 1104L	Foundations of Comp Science I And LAB C or better required	4	
DSC 2073	Applications for Business Info Systems C or better required PR: computer proficiency in basic office apps	3	
ENG 1463	Freshman English A C or better required	3	
GBU 1311	Business Professional Skills – Part 1	1	
HPR 1011 or HPR	Life Fit. Concepts or PE Activity	1	
MTH 1243	College Algebra C or better recommended	3	
TOTAL		15	

SPRING			
GBU 2143	Legal Environment of Bus	3	
DSC 2103	Programming for Business Applications OR DSC 3103 Information Systems in Bus. taken since SP19 C or better required PR: DSC 2073 & MTH 1243 or 1273 with a C or better & computer proficiency	3	
ECO 2023	Microeconomics	3	
ENG 1473	Freshman English-B C or better required PR: ENG 1463	3	
GBU 1321	Business Professional Skills – Part 2	1	
GBU 2013	Quant Analysis for Bus Decisions C or better recommended PR: MTH 1243 or 1273 & computer proficiency	3	
TOTAL		16	

**SOPHOMORE**

FALL			
ACC 2013	Principles of Accounting A	3	
COM 2013	Oral Communications	3	
DSC 3153	Data Management C or better required PR: DSC 2103 with a C or better OR equivalent OR instructor's consent	3	
ECO 2013	Macroeconomics	3	
GBU 2331	Business Professional Image	1	
STA 2323	Statistical Methods C or better required PR: MTH 1243 or 1273	3	
TOTAL		16	

SPRING			
ACC 2023	Principles of Accounting B PR: ACC 2013	3	
DSC 3163	Data Visualization C or better required PR: DSC 2103 with a C or better OR equivalent OR instructor's consent	3	
GBU 2341	Business Career Readiness PR: GBU 2331 Business Professional Image	1	
GBU 3133	Descriptive Analytics PR: GBU 2013	3	
MGM 3013	Management Communications (WI)	3	
	Humanities – Literature (Note # 4, Group A)	3	
TOTAL		16	

**JUNIOR**

FALL			
DSC 4043	Systems Analysis & Design or CSC 3463 Software Engineering C or better required PR: DSC 3153 with a C or better OR instructor's consent	3	
HIS	Civilization (Note # 1, Group A)	3	
MGM 3113	Management OB (WI) PR: Must have at least 45 earned credit hours to enroll	3	
MKT 3013	Fundamentals of Marketing PR: ACC 2013 & ECO 2023	3	
	Natural Science (Note # 3, Group A)	4	
TOTAL		16	

SPRING			
DSC 4153	Predictive Analytics C or better required PR: DSC 3153, GBU 2013 & 3133 with a C or better OR instructor's consent	3	
DSC 4163	Prescriptive Analytics C or better required PR: DSC 3153, GBU 2013 & 3133 with a C or better OR instructor's consent	3	
ENG 3613	Technical Writing PR: C or better in Freshmen English classes C or better required (Note # 6)	3	
FIN 3043	Business Finance PR: ACC 2013 & ECO 2013 OR ACC 2013 & ECO 2023	3	
	Natural Science (Note # 3, Group B)	4	
TOTAL		16	

**SENIOR**

FALL			
DSC 4173	Data Mining C or better required PR: DSC 3153, GBU 2013 & 3133 with a C or better OR instructor's consent	3	
MGM 4073	Operations Management PR: GBU 3133; & MGM 3113	3	
	US History / American Gov. (Note # 1, Group B)	3	
	Humanities – Fine Arts (Note # 4, Group B)	3	
	Free Elective	3	
TOTAL		15	

SPRING			
DSC 4183	Analytics Practicum C or better required PR: DSC 3153, 3163, 4043, 4153, 4163, & 4173 with a C or better OR instructor's consent	3	
MGM 4133	Strategic Management (Take within 18 hrs of graduation) PR: FIN 3043, MGM 3013, 3113, 4073, & MKT 3013	3	
	Non-Western Cultures (Note # 5)	3	
	Free Elective	1	
TOTAL		10	

**BBA Graduation Requirements**

Overall GPA – 2.00 or higher	At least 42 Junior/Senior Hours	One Writing Intensive (WI) courses taken	BAT taken
All courses in major must be "C" or better	At least 50 Hours in Business must be "C" or better	At least 50% of Business at HSU	At least 120 Total Hours Earned

\*\*Students are responsible for adding additional courses if necessary, to meet total hours required to maintain financial aid

## LIBERAL ARTS CORE

### **Note 1. Social Sciences:** (6 hours plus ECO 2013 & ECO 2023)

#### **Group A** (3 hours) – Must take at least one.

HIS 1013 Civ. to 1660  
HIS 1023 Civ. since 1660  
HIS 1043 Civ. since 1660 *Honors*

#### **Group B** (3 hours) – Must take at least one.

HIS 2053 US History to 1877  
HIS 2063 US History since 1877  
PSC 1013 Am National Gov.  
PSC 1263 Am National Gov. *Honors*

### **Note 2. Data Science & Computer Science Courses:**

*Not all CSC and DSC courses are taught every semester. Some courses are taught as needed. Courses may be taken in different semesters than listed as long as all pre-requisites are followed.*

### **Note 3. Natural Science Requirements:** (8 hours)

#### **Group A** (4 hours) – Must take at least one.

BIO 1013 & 1021 Intro to Biology & Lab  
BIO 2104 General Botany  
BIO 2114 General Zoology

#### **Group B** (4 hours) – Must take at least one.

CHM 1004 Introduction to Chemistry  
CHM 1014 University Chemistry I  
CHM 1034 Gen. Chemistry - Non-Majors  
CHM 1044 Gen. Organic & Biochemistry  
CHM 1234 Intro to Forensic Science  
PHY 1024 Intro To Astronomy  
PHY 2034 Gen. Physics I  
PHY 2234 University Physics I  
PHY 3154 Physical Science for Teachers

### **Note 4. Fine Arts & Humanities:** (6 hours)

#### **Group A** (3 hours) – Must take at least one.

ENG 2013 World Literature I  
ENG 2023 World Literature II  
ENG 2053 Studies in Literature  
ENG 2793 Masters of Western Lit *Honors*

#### **Group B** (3 hours) – Must take at least one.

ART 2033 Humanities-Art  
ART 2603 Humanities-Art Studio  
HUM 2093 Fine Arts *Honors*  
MUS 2033 Humanities-Music  
THA 2033 Humanities-Theater Arts  
COM/MMC/THA 3423 Movies App & Enjoyment

### **Note 5. Non-Western Culture:** (3 hours) Must take at least one.

ANT 3043 North Am Indians	HIS 4673 Asian Civ	PHY 4293 Non-Western Cosmology
ANT 4053 World Cultures	HIS 4683 Modern Mid-East	PSC 4233 Comp Politics/Mid-East
ART 4103 Art of Non-Western World (WI)	HIS 4693 African History	PSC 4243 Comp Politics/Africa
BIO 4044 Neotropical Ecology	HPR 3937 Hist/Phil of Nonwest Leisure,	PSC 4253 South Asian Politics
EDU 4543 Teaching People of Other Cultures	Culture, Wellness, Sport	PSY 3043 Cross-Cultural Psychology
ENG 3043 Non-Western Lit	MUS 3473 Survey of Non-Western Music	PSY 3053 Multicultural Mental Health
GEN 4083 Study Abroad: Non-West. travel	NSG 3643 Trans-cultural Health Care	SOC 4063 World Cultures
GEO 3173 Geog of Pacific	PHI 3023 Religions of the World	THA 3483 Theatre of Nonwestern World

### **Note 6. Writing Across the Curriculum Requirement:** (3 hours) (Must pass with a grade of "C" or better) (Select One)

ENG 3313 University Writing	<b>ENG 3613 Technical Writing -</b>	MMC 4223 Magazine & Feature Writing (WI)
ENG 4453 Advanced Composition (WI)	<b>RECOMMENDED for ALL BUSINESS</b>	MMC 4293 Creative Nonfiction
HIS 3383 Writing History	<b>STUDENTS</b>	NSG 3603 Healthcare Res for Evid Based Prac

### **Note 7. General BBA Requirements**

- Remedial courses must be completed with a grade of "C" or better and before any upper-division courses can be taken.
- Students must have completed a minimum of 120 semester hours. Note: Remedial courses do not count in this total.
- After earning 40 credit hours, with a minimum GPA of 2.5, students are required to apply to the School of Business (see catalog for details).
- In addition to the Liberal Arts Core, BBA candidates must complete a minimum of 50 semester hours of business courses with a grade of "C" or higher. No more than 7 hours of "D" may be earned in the Liberal Arts Core.
- Students who enter Henderson on the 2006-2008 catalog or later must complete **at least one writing-intensive (WI)** courses.
- **Students may not graduate with a grade of "D" or lower in any course used to meet the requirements listed in the major field of study or area of concentration.**
- Students must complete at least 42 junior-senior hours (course numbers beginning with a 3 or 4.)
- **Free electives** should be chosen to enrich the student's college program and may include business courses. **Advisor input is important in selecting these courses.**
- No freshman (1000 level) course may be taken for credit after the student has completed 90 hours (unless it is a required course).
- Business majors may, but are not required to, minor in any of several non-business fields.