

YEARS 1 AND 2: Associate in Arts Degree | YEARS 3 AND 4: Bachelor of Arts in Data Science: Business Intelligence

The suggested pathways included on this document show coursework which fulfills requirements for the Associate in Arts Degree at MCKC as well as requirements for the Bachelor of Arts in Data Science degree at William Jewell College.

For official course, degree, and graduation requirements, students should refer to each institutions' catalog which supersedes this document.



| SEMESTER 1 | | | |
|---|---|--|--|
| MCC Requirement Fulfilled | MCC Course | William Jewell College Course | William Jewell Degree Requirement Fulfilled |
| Oral Communication | COMM 100: Fundamentals of Speech (3) | COM 100: Fundamentals of Speech Communication | Requirement for Major |
| Social and Behavioral Sciences-Civics/American Institutions | PSYC 140: Intro to Psychology (3) | PSY 101: Introduction to Psychological Science | *Level 2 Explorations: Power and Justice (2 of 2 classes required from 2 different disciplines) |
| Humanities and Fine Arts | **CHIN 101, OR FREN 101, OR GERM 101 OR SPAN 101 (5) | CHI 111, or, FRE111, or SPAN 111 | Elective |
| Written Communication | ENGL 101: Composition and Reading 1 (3) | CTI 102: Written Communications | Level 1 Foundations: English Composition Requirement Fulfilled |
| Humanities and Fine Arts | HIST 133: Foundations of Western Civilization (3) OR HIST 134 (3) Modern Western Civilization (3) | HIS 103: World History I OR HIS 104: World History II | Elective |
| | | | Total Hours Completed: 17 |
| SEMESTER 2 | | | |
| Humanities and Fine Arts | ENGL: 268: Women's Literature (3) | HUM 999 | Level 2 Explorations: Culture and Traditions (1 of 2 courses required from 2 different disciplines) |
| Natural Sciences-Lab | BIOL 101: General Biology (5) | BIO 999 | Elective |
| Written Communication | ENGL 102: Composition and Reading 2 (3) | ELE 999 | Elective |
| Social and Behavioral Sciences-Civics/American Institutions | HIST 120: US History to 1865 (3) (or) HIST 121: US History since 1865 (3) (or) POLS 136: Introduction to U.S. National Politics (3) | HIS 121: Foundations of US History (or) HIS 122: The Modern United States (or) POLS 135: Introduction to Political Science | *Level 2 Explorations: Power and Justice (1 of 2 classes required from 2 different disciplines) |
| | | | Total Hours Completed: 14 |
| SEMESTER 3 | | | |
| Mathematical Science | MATH 180: Analytic Geometry and Calculus 1 (5) | MAT 109 | Level 1 Foundations: Mathematics Requirement Fulfilled (major-level math requirement) |
| Humanities and Fine Arts | ART 108: Survey or Art (3) or MUSI 108: Music Appreciation (3) | ART 999 (or) MUS 999 | Level 2 Explorations: Culture and Traditions 2 of 2 classes required from two different disciplines) |
| Elective | BUSN 270: Legal Environment of Business (3) | BUS 231: Business Law and Ethics | Requirement for Major |
| Elective | ACCT 101: Accounting Principles 1 (3) | ACC 999 if ACCT 102 is not completed | Required for Major (ACCT 101 + ACCT 102=ACCT 111) |
| | | | Total Hours Completed: 14 |
| SEMESTER 4 | | | |
| Social and Behavior Sciences | GEOG 113: Cultural/Human Geography (3) | GEO 999 | Elective |
| Social and Behavioral Sciences | COMM 233: Intercultural Communication (3) | COM 358: Intercultural Communication | Elective |
| Natural Science without Lab | BIOL 132 Human Nutrition (3) | SCI 999 | Elective |
| Elective | ACCT 102: Accounting Principles 2 (3) | ACC 999 if ACCT 101 is not completed | Required for Major (ACCT 101 + ACCT 102= ACCT 111) |
| Elective | **CHIN 102, OR FREN 102, OR GERM 102 OR SPAN 102 (5) | CHI 112, FRE 112 or SPAN 112 | Foreign Language requirement met by successfully completing a second,(college-level) course in any foreign language. |
| | | | Total Hours Completed: 17 |

To complete the Critical Thought and Inquiry (CTI) Curriculum, the remaining CTI courses listed below must be taken at William Jewell College:

- CTI Sacred Secular (4 Credit Hours)
- CTI 100: The Responsible Self (4 Credit Hours)
- CTI 150: Identity and Society (2 Credit Hours)
- CTI 400 Capstone (4 Credit Hours)

The maximum credit towards the 124 hours required for the Bachelor of Arts degree that a student may apply in one subject-matter field is 40 credit hours.

A student must have a minimum of 84 hours outside the one subject matter field that can be counted toward graduation.

Minimum GPA required to apply for admission is a 2.5 GPA with at least 26 hours completed post high school graduation.

The courses suggested in this guide are the preferred courses that best prepare students for success at William Jewell College. For a Level 2 Explorations requirement in the William Jewell College core curriculum to be fulfilled using transfer credit, students **MUST** have successfully completed two (2) courses in two (2) different disciplines.

MCKC courses used to fulfill William Jewell College Level 2 Core Curriculum Requirements are as follows:

Power and Justice:
HIST 120 OR HIST 121 OR POLS 136 AND PSYC 140

Culture and Traditions:
ART 108 OR MUS 108 AND ENGL 268

*Any course designated as a "Level 2 Explorations course" **will transfer as an elective** if the student transfers to Jewell with less than 26 hours completed post-high school graduation **OR** does not successfully complete the 2 classes required for each category.

**World language requirement for students whose primary major will lead to a BA degree:

- Students must complete a college-level second introductory course in a world language (the 112 course at Jewell or the equivalent) or a higher-level course.
- It is suggested that students who have previously studied a world language but who have not yet earned credit for a college-level second introductory course take the language placement exam to further help with proper placement.
- Transfer students with high placement scores (above the 112 level) will be invited to take an optional 112 equivalency exam with a faculty member in the Languages Department.
- Passing this equivalency exam satisfies the B.A. world language requirement.

Disclaimer: All statements in this publication concerning course offerings and requirements are subject to constant review and change based on the needs of the college and related department(s). The content on this document is provided for informational purposes and does not substitute for formal academic advising or constitute a contract. Please be aware that all pathways maybe altered to account for course availability and/or to fit the individual needs of students

Bachelor of Arts in DATA SCIENCE: BUSINESS INTELLIGENCE

Years 3 and 4

This Suggested Course Advisement Plan is an unofficial publication of William Jewell College.
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**Students must earn a grade of C- or higher in each of these required courses.*

| FALL 1 | | |
|---------|--|------------------|
| CTI 100 | The Responsible Self | 4 |
| CTI 150 | Identity and Society | 2 |
| DTS 150 | Introduction to Data Science | 4 |
| PHY 215 | Introduction to Computational Modeling | 2 |
| MKT 205 | Principles of Marketing | 4 |
| | | TOTAL: 16 |

| SPRING 1 | | |
|----------------------------|------------------------------|------------------|
| DTS 190 | Introduction to Programming | 4 |
| CTI Level 2 Sacred Secular | Course of Student's Choosing | 4 |
| BUS 315 | Financial Management | 4 |
| Free Elective | Course of Student's Choosing | 4 |
| | | TOTAL: 16 |

| SUMMER 1 | | |
|----------|---------------------------------------|-----------------|
| DTS 200 | Data Modeling, Databases and Querying | 4 |
| | | TOTAL: 4 |

| FALL 2 | | |
|----------|------------------------------|------------------|
| DTS 350 | Data Visualization | 4 |
| DTS 400 | Data Science Internship | 2 |
| CTI 4XX | CTI Capstone | 4 |
| Elective | Course of Student's Choosing | 4 |
| | | TOTAL: 14 |

| SPRING 2 | | |
|----------|--------------------------------|------------------|
| DTS 218 | Applied Statistics | 4 |
| DTS 360 | Data Mining | 4 |
| DTS 410 | Data Science Capstone | 2 |
| BUS 440 | Business Intelligence Capstone | 4 |
| | | TOTAL: 14 |

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