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| MBU_Logo-012020-2021 | | | | Student ID: | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| **Bachelor of Arts** in Data Analytics with Mathematics Emphasis | | | Student Name: | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| Date of Initial Enrollment: | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enrollment Status: | | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | | | | (Freshman, Transfer, Re-admit) | | |
| **GENERAL EDUCATION REQUIREMENTS** | | | | | | | | |
| **Communication Skills:** 3 courses, as listed below (at least 9 hours) | | | | | | | | |
| **Course Name** | | | | | **Complete** | | **Term** | **MOTR #** |
| ENGL 113 - English Composition I | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR ENGL 100 |
| ENGL 123 - English Composition II | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR ENGL 200 |
| COMM 103 - Speech Communications \* | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR COMM 110 |
| COMM 123 – Public Speaking and Diction \* | | | | | \_\_\_\_\_ | | \_\_\_\_\_ |  |
| \* *International students whose primary language is not English should take COMM 123 - Public Speaking and Diction instead of COMM 103.* | | | | | | | | |
| **Fine Arts and Humanities:** At least 3 courses (at least 9 hours) from the courses listed below, including ENGL 203 and at least 1 course from a different discipline. A maximum of 3 hours of Performance courses may be applied to the Fine Arts and Humanities. | | | | | | | | |
| **Course Name** | | | | | **Complete** | | **Term** | **MOTR #** |
| **ENGL 203 - World Literary Types (required)** | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR LITR 200 |
| ARTS 153 - Art Appreciation | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR ARTS 100 |
| COMM 153 - Appreciation of Film | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR FILM 100 |
| COMM 223 - Introduction to Mass Media | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR SBSC 100 |
| COMM 233 - Introduction to Cross-Cultural Communication | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR SBSC 101 |
| MUHL 153 - Appreciation of Music | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR MUSC 100 |
| THEA 103 - Appreciation of Theatre | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR THEA 100A |
| THEA 313 - History of Theatre I (for Theatre majors only) | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR THEA 104 |
| THEA 323 - History of Theatre II (for Theatre majors only) | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR THEA 105 |
| THMU 353 – Musical Theatre History | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR THEA 100C |
| MUTH 103 – Fundamentals of Music | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR MUSC 101 |
| MUHL 313 – Music History I | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR MUSC 103 |
| MUHL 323 – Music History II | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR MUSC 104 |
| MUHL 332 – Music History III | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR MUSC 102 |
| MUCL 111/311 – Chorale | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PERF 102C |
| MUIL 131/331 – Large String Ensemble | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PERF 102O |
| MUIL 151/351 – MBU Concert Band | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PERF 102B |
| **OR** equivalent Fine Arts background | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | \_\_\_\_\_ |
| CPHI 203 - Introduction to Logic | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PHIL 101 |
| CPHI 213 - Introduction to Philosophy | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PHIL 100 |
| CPHI 433/533 - World Religions | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR RELG 100 |
| ENCP 433/533 - C. S. Lewis and J. R. R. Tolkien | | | | | \_\_\_\_\_ | | \_\_\_\_\_ |  |
| HONR 123 - Honors Seminar II (for Honors students only) | | | | | \_\_\_\_\_ | | \_\_\_\_\_ |  |
| HUMT 153 - Travel Studies | | | | | \_\_\_\_\_ | | \_\_\_\_\_ |  |
| IDST 313 - History and Philosophy of Science and Technology | | | | | \_\_\_\_\_ | | \_\_\_\_\_ |  |
| **OR** equivalent Humanities background | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | \_\_\_\_\_ |
| **Natural Science:** 1 course from the biological sciences and 1 course from chemistry or physical science (at least 7-9 hours; at least 1 course must have a lab). | | | | | | | | |
| *Biological Sciences* | | | | |  | |  |  |
| **Course Name** | | | | | **Complete** | | **Term** | **MOTR #** |
| BIOL 103 + 101 - Introduction to Biology with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR BIOL 100L |
| BIOL 113 + 111 - General Biology I with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR BIOL 150L |
| BIOL 133 - Survey of Biology | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR BIOL 100 |
| BIOL 203 + 201 - Human Biology with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR LIFS 150L |
| BIOL 233 - Plants and People | | | | | \_\_\_\_\_ | | \_\_\_\_\_ |  |
| *Chemistry or Physical Science* | | | | |  | |  |  |
| **Course Name** | | | | | **Complete** | | **Term** | **MOTR #** |
| CHEM 113 + 111 - Introduction to Chemistry with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR CHEM 100L |
| CHEM 130 + 133 + 132- General Chemistry I with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR CHEM 150L |
| PHYS 101 + 103 - Introduction to Physical Science with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PHYS 110L |
| PHYS 123 + 122 - Geology and Earth Science with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR GEOL 100L |
| PHYS 133 + 131 - College Physics I with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PHYS 150L |
| PHYS 153 - Survey of Physical Science | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PHYS 110 |
| PHYS 213 + 211 - General Physics I with Laboratory | | | | | \_\_\_\_\_ | | \_\_\_\_\_ | MOTR PHYS 200L |

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| **Mathematics:** One course from the following (at least 3 hours) | | | | |
| **Course Name** | | **Complete** | **Term** | **MOTR #** |
| MATH 123 - Contemporary College Mathematics | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR MATH 120 |
| MATH 133 - College Algebra | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR MATH 130 |
| MATH 155 - Precalculus | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR MATH 150 |
| **OR** a course with either MATH 133 or MATH 155 as prerequisite (Type Name Here) | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **Social and Behavioral Sciences:** 3 courses from at least two of the following disciplines as listed below, including U.S. & MO Constitution course: (at least 9 hours) | | | | |
| **Course Name** | | **Complete** | **Term** | **MOTR #** |
| **POLS 103 - U.S. and Missouri Government and Constitution (required)** | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR POSC 101 |
| ECON 103 - Survey of Economics for Non-Business Majors | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR ECON 100 |
| ECON 113 - Macroeconomics | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR ECON 101 |
| ECON 123 - Microeconomics | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR ECON 102 |
| EDGE 203 - Introduction to World Geography | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR GEOG 101 |
| HIWO 113 - World History I | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR HIST 201 |
| HIWO 123 - World History II | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR HIST 202 |
| HIUS 213 - United States History I | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR HIST 101 |
| HIUS 223 - United States History II | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR HIST 102 |
| HONR 123 - Honors Seminar II (for Honors students only) | | \_\_\_\_\_ | \_\_\_\_\_ |  |
| POLS 123 - State And Local Government | | \_\_\_\_\_ | \_\_\_\_\_ |  |
| PSYC 133 - General Psychology | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR PSYC 100 |
| PSYC 313 - Human Growth and Development | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR PSYC 200 |
| SOCO 113 - Introduction to Sociology | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR SOCI 101 |
| SOCO 323 - Marriage and the Family | | \_\_\_\_\_ | \_\_\_\_\_ |  |
| SOCO 353 - Cultural Anthropology | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR ANTH 201 |
| SOCO 413 - Race and Ethnic Relations | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR SOCI 202 |
| SOHI 213 - Worldview and Social Issues | | \_\_\_\_\_ | \_\_\_\_\_ | MOTR SOCI 201 |
|  |  | | |  |
| **Associate of Arts Degree:** \_\_\_\_\_ | **Received from:** \_\_\_\_\_ | | | **Date:** \_\_\_\_\_ |
| (Degree must meet MO\_CBHE requirements for general education as established 10/87) | | | | |
| **DEGREE REQUIREMENTS** | | | | |
| **Humanities:** 2 courses, as listed below (6 hours) | | | | |
| **Course Name** | | **Complete** | **Term** | **Grade** |
| CBIB 113 - Old Testament History **OR** CBIB 213 - Old Testament Theology | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| CBIB 123 - New Testament History **OR** CBIB 223 - New Testament Theology | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **Foreign Language:** 2 courses in the same foreign language (6-8 hours) | | | | |
| **Course Name** | | **Complete** | **Term** | **Grade** |
| Foreign Language Course I (Type Course Name Here) | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| Foreign Language Course II (Type Course Name Here) | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **Health and Sport Sciences:** 3 hours | | | | |
| **Course Name** | | **Complete** | **Term** | **Grade** |
| KHSC 333 - Health and Wellness | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **Technology and Information Literacy:** One course from the following (at least 3 hours) | | | | |
| **Course Name** | | **Complete** | **Term** | **Grade** |
| BCIS 103 - Survey of Computing | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BCIS 203 – Microsoft Office Suite (*Required for School of Business Majors*) | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| EDUC 373 - Technology and Instructional Media | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **OR** Proof of demonstrated competency by exam testing out (Type Exam Here) | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **Interdisciplinary Studies:** 2 courses (3-4 hours) | | | | |
| **Course Name** | | **Complete** | **Term** | **Grade** |
| IDST 101 - Collegiate Seminar\* **OR** HONR 111 - Honors Seminar I\*\* | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **OR** | |  |  |  |
| IDST 200 - Transfer Student Orientation (Transfer Students Only) | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **AND** | |  |  |  |
| IDST 403 - World Citizen **OR** HONR 413 - Honors Senior Seminar\*\* | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \* Required for students entering MBU as freshman | |  |  |  |
| \*\* For Honors Students Only | |  |  |  |

**Shaded areas are courses that are required for major courses**

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| **DATA ANALYTICS with Mathematics Emphasis** | | | | | |
| **Major Requirements:**  **Mathematics Required Courses:** (18 hours) | | | | | |
| **Course Name** | | | **Complete** | **Term** | **Grade** |
| MATH 164 – Calculus I | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| MATH 213 – Discrete Mathematics | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| MATH 254 – Calculus II | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| MATH 264 – Calculus III | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| MATH 363 – Differential Equations | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| **Required Data Analytics Courses:** (48 hours) | | | | | |
| **Course Name** | | | **Complete** | **Term** | **Grade** |
| MATH 243 - Probability and Statistics | | **MOTR MATH 110** | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| MATH 343 – Statistical Methods | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 103 – Coding I (HTML and CSS) | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 153 – Introduction to Data Science | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 203 – Coding II (JavaScript) | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 303 – Data Modeling, Databases, and Querying | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 353 – Data Analytics and Visualization | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 363 – Data Mining with Applications | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 423 – Biostatistics | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUDA 453 – Data Science Capstone | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BUID 471-476 – Business Internship in Data Analytics | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| BCIS 303 – Information Technology Theory and Practice | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| ITBU 333 – Systems Analysis and Design | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| ITBU 353 – Data and Information Management | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| ITBU 383 – Application Security | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| ITBU 423 – Database Application Development | | | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \*General Education Requirement | | | | | |
| * Students should pay careful attention to courses which are only offered once a year, or every other year (see course descriptions), so that a graduation may occur in a timely manner. | | | | | |
| * Students are encouraged to declare a second major before completing 60 hours. | | | | | |
| **An additional XX elective hours may be needed to complete the 120 hour requirement.** | | | | | |
| At least six hours of major and three hours of minor must be earned at Missouri Baptist University | | | | | |
| A grade of D is not acceptable in courses taken to fulfill the requirements for a major or minor | | | | | |
| If a substitution has been made, attach a copy of the signed approval and indicate the course number and title following the catalog requirement. Please include the date of the substitution. | | | | | |
|  | | |  |  |  |
| \_\_\_\_\_ | At least 24 of the last 32 hours taken at Missouri Baptist University | | | | |
| \_\_\_\_\_ | Cumulative GPA of at least 2.50 on a 4.00 scale (those seeking certification must achieve a GPA of 2.75) | | | | |
|  | | | |  |  |
| \_\_\_\_\_ | At least 42 hours of Upper Division (54 for a dual degree) | | | | |
| \_\_\_\_\_ | At least 120 total credit hours (144 for a dual degree) | | | | |
|  | | |  |  |  |
| Student's Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |  | Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | | | |  | |
| Advisor's Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |  | Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
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| Director of Records' Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |  | Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |