



GENERAL STUDIES SECONDARY TEACHER EDUCATION SPECIALIZATION IN MATHEMATICS

Associate of Science (AS)

Advising Sheet – Suggested Course Sequence

Student Name _____

Faculty Advisor _____

| REQUIRED COURSES | CR | PRE-REQUISITE COURSES | APPROVED COURSE SUBSTITUTIONS |
|--|-----------|--------------------------------|-------------------------------|
| SDV 101 Orientation to Future Teachers | 1 | | SDV 100 |
| ENG 111 College Composition I | 3 | See Placement Requirements | |
| Mathematics Electives | 14-15 | | See Note 2 |
| HIS 121 United States History I or HIS 122 United States History II | 3 | | See Note 3 |
| Laboratory Science Elective | 4 | | See Note 4 |
| ENG 112 College Composition II | 3 | ENG 111 | |
| HIS 111 History of World Civilization I or HIS 112 History of World Civilization II | 3 | | See Note 3 |
| CST 100 Principles of Public Speaking | 3 | | |
| ART 101 History and Appreciation of Art I or ART 102 History and Appreciation of Art II | 3 | | MUS 121 |
| PSY 230 Developmental Psychology or PSY 235 Child Psychology | 3 | | |
| Literature Elective | 3 | ENG 112 | See Note 5 |
| Laboratory Science Elective | 4 | | See Note 4 |
| Transfer Electives | 9-10 | | See Note 6 |
| EDU 200 Introduction to Teaching as a Profession | 3 | 24 credits of transfer courses | |
| Total Minimum Credits for Completion | 60 | | |

NOTES:

- Students are strongly encouraged to complete their SDV, ENG, and MTH requirements first.
- Math majors are required to take a minimum of 14 credits from the Mathematics Electives List, starting their first semester with the highest level class for which they are prepared. Please see below. If possible students are encouraged to take MTH 173, MTH 174, MTH 277, and MTH 285 in order to be on schedule after transfer to a university.
- It is recommended that the history elective include American history and world history. Students should consult with prospective four-year institutions.
- Math majors should take BIO 101-102 or CHM 111-112 or either PHY 201-202 or PHY 241-242. Students should consult their prospective four-year institutions to determine best options for transfer.
- The literature requirement can be satisfied by any 200-level English literature course, exclusive of composition and creative writing courses.
- Students should consult with prospective four-year institutions to determine **foreign language** and other degree requirements when selecting electives. See www.jtcc.edu/transferelectives for options.
- Students should regularly meet with their faculty advisor and check their advisement report in MyTyler – SIS.

| Math Electives List—Choose minimum 14 credits | CR | Pre-requisite Courses |
|---|----|-----------------------|
| MTH 163 Precalculus I | 3 | Modules 1-9 |
| MTH 164 Precalculus II | 3 | MTH 163 |
| MTH 166 Precalculus (equivalent of MTH 163 + MTH 164) | 5 | Modules 1-9 |
| MTH 173 Calculus I | 5 | MTH 164 |
| MTH 174 Calculus II | 5 | MTH 173 |
| MTH 277 Vector Calculus | 4 | MTH 174 |
| MTH 285 Linear Algebra | 4 | MTH 174 |