

Murray State College
Degree Check Sheet 2018-2019
Associate in Arts Degree in Mathematics

Required credits for the degree - 62-63 Credit Hours

Name: _____ Graduation Advisor Signature: _____

ID: _____ Date: _____

| General Education Requirements (41-42 Credits) | Credits | Grade | Semester | Notes |
|--|---------|-------|----------|-------|
| English Composition (6 Credits) | | | | |
| ENG 1113 English Composition I | 3 | | | |
| ENG 1213 English Composition II | 3 | | | |
| History and U.S. Government (6 Credits) | | | | |
| HST 1483 US History to 1877 (or) HST 1493 US History since 1877 | 3 | | | |
| GVT 1113 American Federal Government | 3 | | | |
| Science (8 Credits) | | | | |
| PHY 2015 Engineering Physics I | 5 | | | |
| BIO 1114 General Biology or any Area 3 course from college catalog | 4 | | | |
| Humanities (6 Credits) Courses are to be selected from the Humanities related electives, see listing for acceptable courses in the college catalog. | | | | |
| Any course with HUM prefix | 3 | | | |
| Any Area 4 course from college catalog | 3 | | | |
| Mathematics (3 Credits) | | | | |
| MTH 1513 College Algebra | 3 | | | |
| Liberal Arts (3 Credits) | | | | |
| Any area 6 course from catalog | 3 | | | |
| Arts and Science (3 Credits) | | | | |
| MTH 1613 Plane Trigonometry | 3 | | | |
| Computer Proficiency (3 Credits) | | | | |
| CIS 1113 Computer Applications or displayed proficiency and 3 hrs Liberal Arts | 3 | | | |
| Student Success (1 Credit) (first semester- first-time Freshman) | | | | |
| COL 1211 Success Strategies | 1 | | | |
| Health and Wellness (2 Credits) (recommended) | | | | |
| Any approved Health, Wellness, and Human Performance course | 2 | | | |

Program Core and Recommended Electives - (21-Credit Hours Required)

| Program Core Requirements (18 Hrs) | Credits | Grade | Sem | Recommended Program Electives (3 Hrs) | Credits | Grade | Sem |
|--|---------|-------|-----|---|---------|-------|-----|
| MTH 2215 Calculus I w/Analytic Geometry | 5 | | | CS 1623 Programming II | 3 | | |
| MTH 2315 Calculus II w/Analytic Geometry | 5 | | | CS 2163 C ++ Programming | 3 | | |
| PHY 2115 Engineering Physics II | 5 | | | CHM 1114 General Chemistry I | 4 | | |
| CS 1613 Programming I | 3 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Credit Hours Required | 18 | | | Substitutions must be approved by Program Chair | 3 | | |

Total Credit Hours Required for the AA. In Mathematics: - 62-63

15 hours in residence at MSC _____

Min. 2.0 GPA _____

Min. 38 Hours in Gen Ed Core _____

MURRAY STATE COLLEGE

Associate in Arts, Mathematics

Catalog Year 2018-2019

The Mathematics curriculum is designed to prepare graduates for transfer to a regional or comprehensive university. Career Opportunities include Actuarial Science, Operations Research, Applied Mathematics, Statistics, Biomathematics, Mathematics Teacher, Cryptography, Prep for the Engineering Sciences.

| FALL SEMESTER 1 | | |
|----------------------|----------------------------|-----------|
| COURSE | TITLE | CREDITS |
| COL 1211/ 1211L | Success Strategies | 1 |
| ENG 1113 | English Composition I | 3 |
| MTH 1513 | College Algebra | 3 |
| PSY 1113 | Introduction to Psychology | 3 |
| CS 1613 | Programming I | 3 |
| HWP 1112 | Personal Health | 2 |
| TOTAL CREDITS | | 15 |

| SPRING SEMESTER 1 | | |
|----------------------|------------------------|-----------|
| COURSE | TITLE | CREDITS |
| ENG 1213 | English Composition II | 3 |
| MTH 1613 | Plane Trigonometry | 3 |
| Humanities | Humanities Elective | 3 |
| CHM 1114 | General Chemistry I | 4 |
| CS 1623 | Programming II | 3 |
| TOTAL CREDITS | | 16 |

| FALL SEMESTER 2 | | |
|----------------------|--------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| MTH 2215 | Calculus I w/Analytic Geometry | 5 |
| PHY 2015 | Engineering Physics I | 5 |
| HST 1483/1493 | US History | 3 |
| GVT 1113 | American Federal Government | 3 |
| TOTAL CREDITS | | 16 |

| SPRING SEMESTER 2 | | |
|----------------------|-------------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| MTH 2315 | Calculus II w/Analytic Geometry | 5 |
| PHY 2115 | Engineering Physics II | 5 |
| Humanities | Humanities Elective | 3 |
| CS | Computer Science Programming Course | 3 |
| TOTAL CREDITS | | 16 |

This is a suggested course sequence only. Students may, with guidance from an Academic Advisor as well as a Faculty Advisor, make changes to their specific course sequence. The student should be aware that changes may result in more than four semesters to complete their desired Associates Degree.

GENERAL COLLEGE PREPARATORY REQUIREMENTS

Students may be required to complete transitional courses in English and/or math prior to being admitted into college level courses.

Academic placement is determined either by ACT results or placement exams.