Degree Curriculum Sheet
Plan (Major) MATHEMATICS Secondary Teacher Prep/Pure Mathematics

Catalog Year 2012-2013
Name

| Required Core Courses |  | Units |
| :--- | ---: | :---: |
| Course | CS 128 | 4 |
| Intro to C++ | MAT 116 | 4 |
| Analytic Geometry \& Calculus III | MAT 201 | 4 |
| Intro to Numerical Methods | MAT 208 | 4 |
| Intro Linear Algebra | MAT 214 | 3 |
| Calculus of Sev Variables I | MAT 215 | 3 |
| Calculus of Sev Variables II | MAT 216 | 4 |
| Differential Equations | MAT 310 | 4 |
| Basic Set Theory \& Logic | MAT 314 | 4 |
| Intermediate Analysis I | MAT 315 | 4 |
| Intermediate Analysis II | MAT 417 | 4 |
| Modern Algebra I | MAT 418 | 4 |
| Modern Algebra II | MAT 428 | 4 |
| Complex Variables | STA 241 | 4 |
| Applied Prob Theory | STA 341 | 4 |
| Applied Statistics |  |  |
|  |  |  |



TGA
GWT Satisfied ___ Yes ___ No


## American Cultural Perspectives Requirement

Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.

The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet.

| Course |  | GE Area |  |
| :--- | ---: | :---: | :---: |
| Freshman Composition | ENG 104 | A2 |  |
| General Physics | PHY 131/131L | B1, B3 |  |
| Analytic Geometry and Calculus I | MAT 114 | B4 |  |
| or Analytic Geometry and Calculus II | MAT 115 | (B4) |  |
| The remaining GE requirements may be satisfied by any course approved for <br> that area. |  |  |  |

No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.
A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.

