

# MANUFACTURING ENGINEERING CURRICULUM 2021-22 CATALOG DEGREE PLAN

NAME: \_\_\_\_\_

ID#: \_\_\_\_\_

Last                      First                      Middle

ADVISOR: \_\_\_\_\_

DATE: \_\_\_\_\_

| SEMESTER                     | Course Number | Course Name                              | Hrs | Grade | Semester | Substitute Courses |
|------------------------------|---------------|------------------------------------------|-----|-------|----------|--------------------|
| FIRST SEMESTER<br>17 HOURS   | ENGL1301      | English Composition                      | 3   |       |          |                    |
|                              | CSCI1380      | Computer Science I                       | 3   |       |          |                    |
|                              | MATH2413      | Calculus I                               | 4   |       |          |                    |
|                              | CHEM1309      | Chemistry for Engineers                  | 3   |       |          |                    |
|                              | CHEM1109      | Chemistry Laboratory                     | 1   |       |          |                    |
|                              | XXXXx3x       | Core:050 Creative Arts                   | 3   |       |          |                    |
| SECOND SEMESTER<br>16 HOURS  | ENGL1302      | English Rhetoric                         | 3   |       |          |                    |
|                              | MATH2414      | Calculus II                              | 4   |       |          |                    |
|                              | MANE2332      | Engr Statistics                          | 3   |       |          |                    |
|                              | MANE1101      | Intro to Manufact Engr                   | 1   |       |          |                    |
|                              | MANE1204      | Manufact Graphics                        | 2   |       |          |                    |
|                              | XXXXx3x       | Core:080 Social & Behavioral Scienc      | 3   |       |          |                    |
| THIRD SEMESTER<br>17 HOURS   | MANE3351      | Manufacturing Engineering Analysis       | 3   |       |          |                    |
|                              | PHYS2425      | Univ Physics I                           | 4   |       |          |                    |
|                              | MANE4311      | Quality Contro                           | 3   |       |          |                    |
|                              | MECE2340      | Engr Materials                           | 3   |       |          |                    |
|                              | MECE2140      | Engr Materials Lat                       | 1   |       |          |                    |
|                              | MANE3300      | Computer-Aided Desigr                    | 3   |       |          |                    |
| FOURTH SEMESTER<br>17 HOURS  | MANE4340      | Operations Research                      | 3   |       |          |                    |
|                              | MATH2415      | Calculus III                             | 4   |       |          |                    |
|                              | PHYS2426      | Univ Physics II                          | 4   |       |          |                    |
|                              | MANE3337      | Engr Economics                           | 3   |       |          |                    |
|                              | MANE3340      | Fund of Industrial Engr                  | 3   |       |          |                    |
| FIFTH SEMESTER<br>17 HOURS   | XXXXx3xx      | Core:060 American History I              | 3   |       |          |                    |
|                              | MANE4331      | Manufact Planning & Control              | 3   |       |          |                    |
|                              | MANE2403      | Engr Mechanics                           | 4   |       |          |                    |
|                              | MATH3341      | Differential Equations                   | 3   |       |          |                    |
|                              | MANE3364      | Manufact Processes                       | 3   |       |          |                    |
|                              | MANE3164      | Manufact Processes Lat                   | 1   |       |          |                    |
| SIXTH SEMESTER<br>17 HOURS   | XXXXx3xx      | Core:060 American History II             | 3   |       |          |                    |
|                              | MANE43XX      | Technical Elective I                     | 3   |       |          |                    |
|                              | MECE3321      | Mechanics of Solids                      | 3   |       |          |                    |
|                              | MANE4173      | Prod Des & Innovation                    | 1   |       |          |                    |
|                              | MANE3302      | Computer-Aided Manufact                  | 3   |       |          |                    |
|                              | MANE4365      | Tool Design                              | 3   |       |          |                    |
| SEVENTH SEMESTER<br>15 HOURS | POLS2305      | Core:070 Government/Political Science I  | 3   |       |          |                    |
|                              | ELEE2317      | Electrical & Electronic Sys              | 3   |       |          |                    |
|                              | MANE4361      | Senior Design Project I                  | 3   |       |          |                    |
|                              | MANE4352      | Manufact Simulation                      | 3   |       |          |                    |
|                              | MANE43XX      | Technical Elective I                     | 3   |       |          |                    |
| EIGHTH SEMESTER<br>15 HOURS  | POLS2306      | Core:070 Government/Political Science II | 3   |       |          |                    |
|                              | MANE3437      | Thermal & Fluid Sciences                 | 4   |       |          |                    |
|                              | MANE4362      | Senior Design Project II                 | 3   |       |          |                    |
|                              | MANE43XX      | Technical Elective III                   | 3   |       |          |                    |
|                              | PHIL2326      | Ethics, Technology & Society             | 3   |       |          |                    |

\_\_\_\_\_ Required Degree Plan Hours Completed

\_\_\_\_\_ Required Degree Plan Hours To Be Completed

Approved: \_\_\_\_\_

Department Chair      Date

Dean or Associate Dean      Date

