

## Mechanical Engineering 5 year Model A

|                                                                                                                                           |                    |                        |           |                     |                  |          |  |           |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|-----------|---------------------|------------------|----------|--|-----------|
| Last Name                                                                                                                                 |                    |                        |           | First Name          |                  |          |  | Sudent #  |
| BSc(ME) Grad Date:                                                                                                                        |                    |                        |           | DGPA:               |                  | Phone #: |  |           |
| Email Address:                                                                                                                            |                    |                        |           |                     |                  |          |  |           |
| Admit Term:                                                                                                                               |                    | Minor / Concentration: |           |                     |                  |          |  | Term:     |
| FIRST YEAR                                                                                                                                |                    |                        | 16.5 CHrs | 15 CHrs             |                  |          |  | TGPA      |
| CHEM 1100                                                                                                                                 | Chemistry 1        | 3                      |           | ENG 1430            | Eng Design       | 3        |  | DGPA      |
| CHEM 1122                                                                                                                                 | Chem 1 Lab         | 1.5                    |           | ENG 1450            | Intro Elec       | 3        |  | 75% Ratio |
| COMP 1012                                                                                                                                 | Comp Prog Eng      | 3                      |           | ENG 1460            | Thermal Sci      | 3        |  | Standing  |
| PHYS 1050                                                                                                                                 | Physics            | 3                      |           | MATH 1210           | C/L Algebra      | 3        |  | Term:     |
| ENG 1440                                                                                                                                  | Eng Statics        | 3                      |           | MATH 1710           | App Calc 2       | 3        |  | TGPA      |
| MATH 1510                                                                                                                                 | App Calc 1         | 3                      |           |                     |                  |          |  | DGPA      |
| SECOND YEAR                                                                                                                               |                    |                        | 18.5 CHrs | 20 CHrs             |                  |          |  | 75% Ratio |
| CHEM 1110                                                                                                                                 | Chemistry 2        | 3                      |           | MATH 2132           | Math Analys 2    | 3        |  | Standing  |
| CHEM 1126                                                                                                                                 | Chem 2 Lab         | 1.5                    |           | MECH 2150           | Numerical Method | 4        |  | Term:     |
| MATH 2130                                                                                                                                 | Math Analys 1      | 3                      |           | MECH 2112           | C.A.D.           | 5        |  | TGPA      |
| MECH 2202                                                                                                                                 | Thermodynamics     | 4                      |           | MECH 2262           | Fluid Mechanics  | 4        |  | DGPA      |
| MECH 2222                                                                                                                                 | Mech. Of Materials | 4                      |           | MECH 2272           | Materials 1      | 4        |  | 75% Ratio |
| WRITTEN Req.                                                                                                                              |                    | 3                      |           |                     |                  |          |  | Standing  |
| THIRD YEAR                                                                                                                                |                    |                        | 15 CHrs   | 15 CHrs             |                  |          |  | Term:     |
| MATH 3132                                                                                                                                 | Math Analys 3      | 3                      |           | MECH 3430           | Meas. & Controls | 4        |  | TGPA      |
| MECH 3482                                                                                                                                 | Kin. & Dynamics    | 4                      |           | MECH 3420           | Vibes            | 4        |  | DGPA      |
| MECH 3492                                                                                                                                 | Fluids 2           | 4                      |           | ENG 2030/40         | Tech Com         | 3        |  | 75% Ratio |
| MECH 3502                                                                                                                                 | Stress Analysis    | 4                      |           | TE1                 |                  | 4        |  | Standing  |
| FOURTH YEAR                                                                                                                               |                    |                        | 19 CHrs   | 17 CHrs             |                  |          |  | Term:     |
| ECE 3010                                                                                                                                  | Digital Systems    | 4                      |           | ENG 3000            | Eng Econ         | 3        |  | TGPA      |
| MECH 3542                                                                                                                                 | Materials 2        | 4                      |           | MECH 3460           | Heat Transfer    | 4        |  | DGPA      |
| MECH 3170                                                                                                                                 | Project Management | 4                      |           | MECH 3652           | Mach Design      | 4        |  | 75% Ratio |
| CE1 (Phil 1290 or Choice)                                                                                                                 |                    | 3                      |           | MECH 3992           | ME Labs Thermo   | 2        |  | Standing  |
| TE2                                                                                                                                       |                    | 4                      |           | TE3                 |                  | 4        |  | Term:     |
| FIFTH YEAR                                                                                                                                |                    |                        | 14 CHrs   | 13 CHrs             |                  |          |  | TGPA      |
| MECH 3982                                                                                                                                 | ME Labs Solid Mech | 2                      |           | ENG 3020            | Tech Society     | 3        |  | DGPA      |
| STAT 2220                                                                                                                                 | Eng Statistics     | 3                      |           | PHYS 1070           | Physics 2        | 3        |  | 75% Ratio |
| MECH 4860                                                                                                                                 | Eng. Design        | 5                      |           | Indigenous Crs. CE2 |                  | 3        |  | Standing  |
| TE4                                                                                                                                       |                    | 4                      |           | TE5                 |                  | 4        |  | Term:     |
| CE Choice = 1000 Level or better from the faculty of Arts or Managetment (3 cr hr of Indigenous Knowledge post Fall 2021)                 |                    |                        |           |                     |                  |          |  | TGPA      |
| Indigenous Knowledge Course Options CE2: INDG 1220, INDG 1240, INDG2012 / HIST 2010, INDG 2020 / HIST 2020, POLS 2802, POLS 3870, ENG4100 |                    |                        |           |                     |                  |          |  | DGPA      |
| Tech Electives (TE): Need 5.                                                                                                              |                    |                        |           |                     |                  |          |  | 75% Ratio |
| Aerospace Option - 3 from List A - MECH 3520, 4182, 4192 and select 2 from List B - MECH 3582, 4200, 4452 or ENG 4110                     |                    |                        |           |                     |                  |          |  | Standing  |
| Aerospace Stream - Select 3 MECH 3520, 4182, 4192 4200, 4452                                                                              |                    |                        |           |                     |                  |          |  | Term:     |
| Manufactruing Stream - Select 3 MECH 3582, 3592, 4330, 4342, 4900                                                                         |                    |                        |           |                     |                  |          |  | TGPA      |
| Materials Stream - Select 3 MECH 4292, 4350, 4360 and 4870                                                                                |                    |                        |           |                     |                  |          |  | DGPA      |
| Solid Mechanics Stream - Select 3 MECH 4812, 4322, 4452, 4510, 4812, 4322                                                                 |                    |                        |           |                     |                  |          |  | 75% Ratio |
| Thermofluids Stream - Select 3 MECH 3520, 4200, 4412, 4692, 4822, 4560 Other - 4162, 4310                                                 |                    |                        |           |                     |                  |          |  | Standing  |
| Co-op WT: ENG 4800      ENG 4810      ENG 4820      ENG 4830      ENG 4840                                                                |                    |                        |           |                     |                  |          |  |           |
| Grad Check Completed: MM/DD/YY      Total Degree Hours:      /163                                                                         |                    |                        |           |                     |                  |          |  |           |