Mechanical Engineering B.S. Curriculum (Effective Spring 2013) First Year/Freshman Second Year/Sophomore **Junior Standing Senior Standing** Liberal Liberal Liberal Liberal | Liberal | Liberal Phys. Ed. Phys. Ed. Studies Studies Studies Studies **Studies** Studies 2 **MAE 4272** First-year First-year **MAE 3230** MAE 3240 Fluid/Therm. writing writing MAF 2250 Fluid Mech. Heat Transfer Lab seminar 1 seminar 2 Mech. Synthesis **ENGRD 2210 MAE 3250 MAE 3272 MAE 4300** ENGRI 1xx0 Thermo. Analysis of Mech. Prop. & Prof. Practice Intro to ... Mech. & Perform Lab in ME Aero. Structures **MAE 2120** Mech. Prop. & Material Selec. Applying for (Matlab required) early admit **MAE 3780** M.Eng. ?? **MAE 3260** Mechatronics CS 111X\* System or ECE 2100 **ENGRD 2020 Dynamics** Intro. to Comp. **MAE 2030** or Phys 3360 MAE 4291 (Matlab Statics & **Dynamics** Sr. Design Recommended) Mech. of Solids May be taken first OR second semester of sr. year. Math 1920 Math 1910 Math 2930 Math 2940 **Junior or Senior Standing** MultiVar Calc. Calc. for Diff. Linear **Engineers** For Engineers Equations Algebra Maior-Maior-**Technical** Math Approved Approved Elective Elective Flective 1 Elective 2 **PHYS 1112 CHEM 2090 PHYS 2213 PHYS 2214** Advisor-Advisor-Phys 1 -Eng. Gen. **Approved** Approved Phys 2 -Phys 3 –Oscill., Waves Chemistry Mechanics & Elective 2 Elective 1 Electromagnetism & Quant. Physics Heat Notes: \*Students entering prior to Fall 2012: If CS 1110 was taken, CS 1132 prerequisite unless AP, take term shown will be required. If CS 1112 was taken, CS 1130 will be required. A co-requisite junior or senior transition CS course is not required for students entering Fall 2012 and must take term shown beyond. any term