STUDENT NAME: ________________  Advising Sheet for BS BioE with MATH 425  ADVISOR NAME: ________________

Department of Chemical Engineering & Bioengineering  Rev 09/2023

Year 1
- Discovery 1
  HUMA (4 cr)
- ENGL 401*
  F.Y. Writing (4 cr)
- CHBE 400
  ChE & BioE Lectures (1 cr)
- CHEM 405
  Gen. Chem. PS (4 cr)
- PHYS 407
  Physics I (4 cr)
- MATH 425
  Calculus I QR (4 cr)
- MATH 426
  Calculus II (4 cr)
- MATH 527
  Diff. Eqns. (4 cr)
- BIOL 411
  Mol & Cell. Biol. BS (4 cr)
- GEN 604
  Mol & Cell. Biol. BS (4 cr)

Year 2
- Discovery 3
  HP (4 cr)
- GEN 501
  Material Balances (3 cr)
- CHEM 545
  Org. Chem. (3 cr)
- CHEM 546
  Org. Chem. Lab (2 cr)
- CHBE 501
  Material Balances (3 cr)
- CHBE 502
  Energy Balances INQ (3 cr)
- CHBE 604
  ChE Thermo. (3 cr)
- CHBE 764*
  Separations (3 cr)

Year 3
- BioE Elec. 1
  (3-4 cr)
- BioE Elec. 2
  (3-4 cr)
- BioE Elec. 3
  (3-4 cr)
- BioE Elec. 4
  (3-4 cr)
- CHBE 504
  Microbiology Lab (2 cr)
- BMCS 508
  Gen. Biochem. Lab (2 cr)
- BMS 504
  Gen. Biochem. (3 cr)
- BMS 508
  Hum. Anat. Phys. II (4 cr)

Year 4
- Discovery 4
  WC (4 cr)
- Discovery 5
  SS (4 cr)
- CHBE 502
  Fluid Mechanics (3 cr)
- CHBE 604
  ChE Thermo. (3 cr)
- CHBE 763
  BioE Design I (2 cr)
- CHBE 764*
  BioE Design II Capstone (4 cr)

Earned Credits (Year 1): ____________  Earned Credits (Year 2): ____________  Earned Credits (Year 3): ____________

☐ C average in CHBE 501/502 met  ☐ At least 4 Engineering Electives  ☐ 128 credits met  ☐ CGPA 2.0 met

Pre-requisite  Pre-requisite (may be taken concurrently)  Co-requisite

Class offered in Fall only  Class offered in Spring only  Class offered in Fall and Spring

Solid corner triangle = critical path;  * = WI ;  ^ = MATH 527 pre-req ;  # = BIOL 411 pre-req ;  Blue = Life Science;  Green = ENG;  Red = Discovery Program;  Black = Other

Notes: ________________________________

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