**Choose TWO courses from each Core Principle Area**

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| Core Principle #1: Evolution & Genetics | **ANTHRO** 120, 124P, 124Q, 124S, 128P**EPS SCI** *116***EE BIOL** *103*, 108, 109, \**109L,* *110,* *111,* *112,* 113A, \**113AL,* *114A,* *115*, *117*, 118, 120 (not open for credit to students with credit for course 185), 121, C126, 129, 130, C135, 136, *144*, M145 (or EPS SCI M118), 160, *CM173*, *C174*, 175, *181*, 184, 185 (not open for credit to students with credit for course 120), 186 **LIFESCI** 107**MIMG** CM156, 158**MCD BIO** 138, CM156 **SOCGEN M142** (or ANTHRO M128S) |
| Core Principle #2:Information Flow | **ANTHRO** 124P, 128P**CHEM** C100, 153A, 166**EE BIOL** 100, *\*10*0*L,* 116, 120 (not open for credit to students with credit for course 185), 121, 122, 125, C126, 129, 132, 134B, C135, 136, 137, 153, 156, 162, *\*162L,* *170 (*not open for credit to students with credit for *PHYSCI 166*), C172, *C174*, 176, M178 (or Bioengineering M186 or CaSB M186 or COMP SCI M186), C179, 180A, 180B, 183**LIFESCI** 107**MIMG** *100L and 101* (must be taken together to satisfy requirement),*103AL, 103BL, 109AL, 109BL, 12*3, 132, CM156, 158, C185A **MCD BIO** 100, 138, 143, 144, C150, *150AL*, CM156, 165B, 168, M175A, M175B, M175C, *187AL***NEUROSCI** M101A, M101B, M101C, *102***PHYSCI** M106, 111A, 111B, CM123, 124, C126, C127, 128, C130, 136, 138, M140 (or ANTHRO M128R or SOCGEN M140), C144, M145, 146, 147, 149, C152, 154, 155, 165, *166* (not open for credit to students with credit for *EE BIOL 170*), 167, 173, 174, 175, M176, 177, M180A, M180B, M180C  |
| Core Principle #3:Structure/Function | **CHEM** C105, 153A, 153D, 1*53L***EPS SCI** *116***EE BIOL** *101*, 102, *103,* *105*, 106, 107, 109, \**109L, 110*, *111, 112*, 113A, *113AL*, 113B, *114A,* 114B, *115*, *117*, 118, 121, 122, 123A, 123B, 124A, 125, M127, M127L, 128, 129, M131 (or GEOG M110), 136, *144,* M145 (or EPS SCI M118), 147, 148, 151A, 151B, 152, 155, M157, 160, 161, 162, *162L,* 163, 164, 165, 166, *170* (not open for credit to students with credit for PHYSCI 166), *C174, 181*, 184 **GEOG** 106, 107, 108**MIMG** *100L and 101* (must be taken together to satisfy requirement), *103AL, 103BL, 109AL*, 132, CM156, 158, 168, C185A**MCD BIO** 100, 138, M140, C141, 143, 144, 146, C150, 165A, 165B, 168, M175A, M175B, M175C**NEUROSCI** M101A, M101B, M101C, 102 **PHYSCI** *107, 108*, 111A, 111B, 120, 121, 122, CM123, 124, C126, C127, 128, C130, 136, 138, M140 (or ANTHRO M128R or SOCGEN M140), C144, M145, 146, 147, 149, C152, *153*, 154, 155, 165, *166* (not open for credit to students with credit for *EE BIOL 170*), 167, 173, 174, 175, M176, 177, M180A, M180B, M180C  |
| Core Principle #4: Transformation of Energy & Matter | **A&O SCI** 102, 103, 104, M105 (or EE BIOLM139), 130, 145**CHEM** 103, 110A, 110B, *114*, C123A, C123B, *136*, C143A, C143B, *144*, C145, 153A, 153B, 153C, 153D, 153L, *154*, C159, C164**EE BIOL** *103*, 109, *\*109L*, 123A, 123B, 124A, M131 (or GEOG M110), M139, 151A, 153, 161, 162, *\*162L, 170* (not open for credit to students with credit for *PHYSCI 166*), 184**ENV HLT** 100**MIMG** 101 |
| Core Principle #5:Systems | **ANTHRO** 124P, 128P**A&O SCI** 102, 103, 104, M105 (or EE BIOL M139), 130, 145**BIOSTAT** 100B**CHEM** 103, 153A, *153L***EPS SCI** *116***EE BIOL** *101*, 102, *105*, 106, 107, 108, *110, 111, 112*, 113A, *\*113AL*, 113B, *114A*, 114B, *115*, 116, *117*, C119A, C119B, 120 (not open for credit to students with credit for course 185), 122, 123A, 123B, 124A, 124B, 125, C126, M127, M127L, *128*, 129, M131 (or GEOG M110), 132, 133, 136, 137, M139 (or A&O SCI M105), 142, *144,* 147, 148, 151A, 151B, 152, 153, 154, 155, 156, 160, 161, 162, *\*162L*, 163, 164, 165, 166, *170* (not open for credit to students with credit for *PHYSCI 166*), C172, 176, C177, M178 (or Bioengineering CM186 or CaSB M186 or COMP SCI CM186), C179, 180A, 180B, *181*, 182, 183, 184**ENV HLT** 100**GEOG** 106, 107, 108**LIFESCI** 107, M174 (or PSYCH M174)**MIMG** *100L and 101* (must be taken together to satisfy requirement), *103AL, 103BL, 105*, 109AL, 109BL, 123, 132, C134, 158, 168, 180A, 180B, C185A**MCD BIO** 100, 138, M140 (or Biological Chemistry M140), C141, 143, 144, 146, C150, *150AL*, CM156, *160*, 165A, 165B, 168, M175A, M175B, M175C, *187AL* **NEUROSCI** M101A, M101B, M101C, *102* **PHYSCI** 100, M106, *107, 108*, 111A, 111B, 120, 121, 122, CM123, 124, C126, C127, 128, C130, M135, 136, 138, M140 (or ANTHRO M128R or SOCGEN M140), C144, M145, 146, 147, 149, C152, *153*, 154, 155, 165, *166* (not open for credit to students with credit for *EE BIOL 170*), 167, 173, 174, 175, M176, 177, M180A, M180B, M180C, **PSYCH** 115, 133B**SOCGEN** M142 (or ANTHRO M128S) |

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| Core #1: (1)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & (2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Core #2: (1)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & (2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Core #3: (1)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & (2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Core #4: (1)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & (2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Core #5: (1)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & (2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Minimum Five (5) EE BIOL Courses:**EEB Course: (Core Principle # )EEB Course: (Core Principle # )EEB Course: (Core Principle # )EEB Course: (Core Principle # )EEB Course: (Core Principle # ) |
| **Two Lab Courses (in *italics*) – one course must be an EE BIOL lab course:**Lab Course: EE BIOL (from Core Principle # )Lab Course: (from Core Principle # )\*Corresponding lecture course must be taken in order for course to apply as a lab course, e.g., EEB 100 and EEB 100L |  |