The following information correlates to the Plan of Study:

**SBS/HFA:** All engineering students must take nine-credit hours in each of the two areas: (1) Social/Behavioral Science (SBS) and (2) Humanities/Fine Arts (HFA). One course must be an upper level course (2000/3000/4000). One course in SBS must also be either History or U.S. Govt. Students may choose from History 1100, 1200, 1400, 2210, 4000, 4220, 4230, or Poli Sci 1100 or 2100. There must be at least two departments represented in each of the upper level course requirements. Consult with language department to determine if completion of an upper level course can lead to transcriptioned hours or lower level courses not needed. The list of accepted SBS & HFA courses can be found at: generaleducation.missouri.edu.

**Physics 2760:** Students may substitute CHEM 1330 and CHEM 2100 for Physics 2760.

**Engineering Topics:** 2 courses (6 credit hours) are required from engineering topics. Select from: (a) Circuits (CV ENGR 4610, ENGINR 2100, or EE 4380), (b) Thermodynamics (ENGINR 2300 or ChE 3261) or (d) Dynamics (CV ENGR 2080).

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<table>
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<tr>
<th>Semester</th>
<th>Courses</th>
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| 1st semester | Math 1500 Calculus I (5 hrs)  
Prereq: Math 1160, or Math 1100 and 1140, or equivalent  

Physics 2750 University Physics I (5 hrs)  

English 1000 Exp & Argu (3 hrs)  

Chem 1320 Chemistry I (4 hrs)  
Prereq: Math 1100 or equivalent, or HS Chem  

Enginr 1100 Enginr Graphics (2 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

Math 1700 Calculus II (5 hrs)  

Hum/FA or Social/Beh Science Elective (3 hrs)  

Math 2300 Calculus III (3 hrs)  

CV ENG 3010 Decision Methods for CV ENG Design (WI) (3 hrs)  

CV ENG 3200 Fund of Environ Eng (4 hrs)  

CV ENG 3100 Fund of Transp Eng (4 hrs)  

Geol 1150 Physical Geology for Scientists and Engineers w/lab (4 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

CV ENG 3400 Fund of Geotech Eng (4 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

2nd semester | Math 2330 Diff Equations (3 hrs)  

Enginr 1200 Statics and Strength of Materials (3 hrs)  

CV ENG 3100 Fund of Transp Eng (4 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

Math 4100 Diff Equations (3 hrs)  

Enginr 2200 Inter Strength of Materials (3 hrs)  

CV ENG 3300 Struc Analysis (4 hrs) Fall Only  

CV ENG 3700 Fluid Mech (3 hrs)  

CV ENG Elective (3 hrs)  

CV ENG Elective (3 hrs)  

3rd semester | CV ENG 3600 CV ENG Mats (4 hrs)  

CV ENG 3312 Rein Concrete (3 hrs) Spring Only  

OR  

CV ENG 3313 Struct Steel Des (3 hrs) Fall Only  

CV ENG 3702 Hydrology (4 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

CV ENG Elective (3 hrs)  

CV ENG Elective (3 hrs)  

4th semester | CV ENG 3600 CV ENG Mats (4 hrs)  

CV ENG 3312 Rein Concrete (3 hrs) Spring Only  

OR  

CV ENG 3313 Struct Steel Des (3 hrs) Fall Only  

CV ENG 3702 Hydrology (4 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

INFOTC 1040 Intro to Prob Solv & Prog (3 hrs)  

CV ENG Elective (3 hrs)  

CV ENG Elective (3 hrs)  

5th semester | CV ENG 4980 CV ENG Systems Design (WI) (3 hrs)  
Prereq: Last semester only. Must earn a C- or better.  

Enginr Topics Electives (6 hrs)  

CV ENG Electives (6 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

Advisor Approved Electives (3 hrs)  

6th semester | CV ENG 4980 CV ENG Systems Design (WI) (3 hrs)  
Prereq: Last semester only. Must earn a C- or better.  

Enginr Topics Electives (6 hrs)  

CV ENG Electives (6 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

Advisor Approved Electives (3 hrs)  

7th semester | CV ENG 4980 CV ENG Systems Design (WI) (3 hrs)  
Prereq: Last semester only. Must earn a C- or better.  

Enginr Topics Electives (6 hrs)  

CV ENG Electives (6 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

Advisor Approved Electives (3 hrs)  

8th semester | CV ENG 4980 CV ENG Systems Design (WI) (3 hrs)  
Prereq: Last semester only. Must earn a C- or better.  

Enginr Topics Electives (6 hrs)  

CV ENG Electives (6 hrs)  

Hum/FA or Social/Beh Elective (3 hrs)  

Advisor Approved Electives (3 hrs)  

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Prerequisites and grade of C- or better  

(C) Credit hours  

(WI) Writing Intensive  

Prerequisites and grade of  

C- or better  

(C) Credit hours  

(WI) Writing Intensive  

Co-requisites