

Advising Road Map

| | |
|------------------------|---------------------------------------|
| Major: | BS Industrial and Systems Engineering |
| Concentration in: | |
| Total Units to Degree: | 120 |
| Academic Year: | 2018-19 |

This road map is an advising tool that outlines a path of courses a student can take to complete requirements for graduation. This roadmap should be used in consultation with the catalog and your department to identify additional requirements for completing the major (for example course grade minimums).

Fall Semester- Year 1

| Course or Requirement | Units |
|-----------------------|-------|
| Math 30 (B4) | 3 |
| Chem 1A (B1/B3) | 5 |
| Engr 10 (E) | 3 |
| Engl 1A (A2) | 3 |
| | |
| Total Semester Units: | 14 |

Spring Semester- Year 1

| Course or Requirement | Units |
|-------------------------|-------|
| Math 31 | 4 |
| Phys 50 (B1/B3) | 4 |
| Engl 1B (C2) | 3 |
| Oral Communication (A1) | 3 |
| | |
| Total Semester Units: | 14 |

Fall Semester- Year 2

| Course or Requirement | Units |
|-----------------------|-------|
| Math 32 | 3 |
| Phys 51 (B1/B3) | 4 |
| AMS 1A (C1, D2) | 6 |
| CmpE 30 | 3 |
| | |
| | |
| Total Semester Units: | 16 |

Spring Semester- Year 2

| Course or Requirement | Units |
|-----------------------|-------|
| MatE 25 | 3 |
| ME 20 | 2 |
| Math 123 | 3 |
| AMS 1B (C2, D3) | 6 |
| | |
| Take WST | |
| Total Semester Units: | 14 |

Fall Semester- Year 3

| Course or Requirement | Units |
|-----------------------|-------|
| ISE 102 | 3 |
| Engr 100W | 3 |
| ISE 130 | 3 |
| ISE 142 | 3 |
| ISE 151 | 3 |
| | |
| Total Semester Units: | 15 |

Spring Semester- Year 3

| Course or Requirement | Units |
|-----------------------------|-------|
| ISE 105 | 3 |
| ISE 120 | 3 |
| ISE 131 | 3 |
| Cmpe 131 | 3 |
| Approved Technical Elective | 3 |
| | |
| Total Semester Units: | 15 |

Fall Semester- Year 4

| Course or Requirement | Units |
|-----------------------------|-------|
| Approved Technical Elective | 3 |
| ISE 135 | 3 |
| ISE 140 | 3 |
| ISE 167 | 3 |
| 1SE 195A | 1 |
| SJSU STUDIES (S or V) | 3 |
| | |
| Total Semester Units: | 16 |

Spring Semester- Year 4

| Course or Requirement | Units |
|-----------------------|-------|
| ISE 115 | 3 |
| ISE 155 | 3 |
| ISE 195B | 3 |
| SJSU STUDIES (S or V) | 3 |
| ISE 170 | 3 |
| ISE 194 | 1 |
| | |
| Total Semester Units: | 16 |

NOTES: Students must have 60+ units in order to take SJSU Studies courses.