

**Recommended Course Schedule  
ME Major (no minor)**

|                        |                                 | <i>Units per term</i> |            |            |
|------------------------|---------------------------------|-----------------------|------------|------------|
|                        |                                 | <i>1st</i>            | <i>2nd</i> | <i>3rd</i> |
| <i>Second Year</i>     |                                 |                       |            |            |
| Ma 2                   | Differential Equations          | 9                     |            |            |
|                        | Computing elective              | 9                     |            |            |
| ME 10                  | Thinking like an Engineer       | 1                     |            |            |
| ME 11abc               | Thermal Science                 | 9                     | 9          | 9          |
| ME 12abc               | Mechanics                       | 9                     | 9          | 9          |
| ME 13                  | Mechanical Prototyping          |                       | 4          |            |
| ME 14                  | Design & Fabrication            |                       |            | 9          |
|                        |                                 | <hr/>                 |            |            |
|                        |                                 | <b>37</b>             | <b>22</b>  | <b>27</b>  |
| w/ HSS                 |                                 | <b>46</b>             | <b>31</b>  | <b>36</b>  |
| <br><i>Third Year</i>  |                                 |                       |            |            |
|                        | Math elective                   | 9                     |            |            |
| Ph 2                   | Physics electives               | 9                     |            | 9          |
| ACM 95ab               | Intro. Meth. Appl. Math.        |                       | 12         | 12         |
| ME 50ab                | Experiments & Modeling in ME    |                       | 9          | 9          |
|                        | Capstone Design                 | 9                     | 9          |            |
| E 10                   | Technical Seminar Presentation  |                       |            | 3          |
| E 11                   | Written Technical Communication | 3                     |            |            |
|                        |                                 | <hr/>                 |            |            |
|                        |                                 | <b>30</b>             | <b>30</b>  | <b>33</b>  |
| w/ HSS                 |                                 | <b>39</b>             | <b>39</b>  | <b>42</b>  |
| <br><i>Fourth Year</i> |                                 |                       |            |            |
|                        | Math elective                   |                       | 9          |            |
|                        | Advanced ME Electives           | 18                    | 18         | 9          |
|                        |                                 | <hr/>                 |            |            |
|                        |                                 | <b>18</b>             | <b>27</b>  | <b>9</b>   |
| w/ HSS                 |                                 | <b>27</b>             | <b>36</b>  | <b>18</b>  |

**Alternative Course Schedule  
ME Major (no minor)**

|                        |   | <i>Units per term</i> |            |            |
|------------------------|---|-----------------------|------------|------------|
|                        |   | <i>1st</i>            | <i>2nd</i> | <i>3rd</i> |
| <i>Second Year</i>     |   |                       |            |            |
| Ma 2                   | Differential Equations                          | 9                     |            |            |
| ACM 95ab               | Intro. Meth. Appl. Math.<br>Math elective       |                       | 12<br>9    | 12         |
| ME 10                  | Thinking like an Engineer                       | 1                     |            |            |
| ME 11abc               | Thermal Science                                 | 9                     | 9          | 9          |
| ME 12abc               | Mechanics                                       | 9                     | 9          | 9          |
| ME 13                  | Mechanical Prototyping                          | 4                     |            |            |
| ME 14                  | Design & Fabrication                            |                       |            | 9          |
|                        |   | <hr/>                 |            |            |
|                        |   | <b>32</b>             | <b>39</b>  | <b>39</b>  |
|                        | w/ HSS  | <b>41</b>             | <b>48</b>  | <b>48</b>  |
| <br><i>Third Year</i>  |   |                       |            |            |
|                        | Computing elecive                               | 9                     |            |            |
| Ph 2                   | Physics electives                               | 9                     |            | 9          |
| ME 50ab                | Experiments & Modeling in ME<br>Capstone Design |                       | 9<br>9     | 9          |
|                        | Advanced ME Electives                           | 9                     | 9          | 9          |
|                        |   | <hr/>                 |            |            |
|                        |   | <b>27</b>             | <b>27</b>  | <b>27</b>  |
|                        | w/ HSS  | <b>36</b>             | <b>36</b>  | <b>36</b>  |
| <br><i>Fourth Year</i> |   |                       |            |            |
|                        | Math elective                                   | 9                     |            |            |
| E 10                   | Technical Seminar Presentation                  |                       | 3          |            |
| E 11                   | Written Technical Communication                 |                       |            | 3          |
|                        | Advanced ME Electives                           | 9                     | 9          | 9          |
|                        |   | <hr/>                 |            |            |
|                        |   | <b>18</b>             | <b>12</b>  | <b>12</b>  |
|                        | w/ HSS  | <b>27</b>             | <b>21</b>  | <b>21</b>  |

**Example of Course Schedule**  
**Aerospace Minor**

|                        |                                 | <i>Units per term</i> |            |            |
|------------------------|---------------------------------|-----------------------|------------|------------|
|                        |                                 | <i>1st</i>            | <i>2nd</i> | <i>3rd</i> |
| <i>Second Year</i>     |                                 |                       |            |            |
| Ma 2                   | Differential Equations          | 9                     |            |            |
| ACM 95ab               | Intro. Meth. Appl. Math.        |                       | 12         | 12         |
|                        | Math elective                   |                       | 9          |            |
| ME 10                  | Thinking like an Engineer       | 1                     |            |            |
| ME 11abc               | Thermal Science                 | 9                     | 9          | 9          |
| ME 12abc               | Mechanics                       | 9                     | 9          | 9          |
| ME 13                  | Mechanical Prototyping          | 4                     |            |            |
| ME 14                  | Design & Fabrication            |                       |            | 9          |
|                        |                                 | <hr/>                 |            |            |
|                        |                                 | <b>32</b>             | <b>39</b>  | <b>39</b>  |
|                        | w/ HSS                          | <b>41</b>             | <b>48</b>  | <b>48</b>  |
| <br><i>Third Year</i>  |                                 |                       |            |            |
|                        | Computing elecive               | 9                     |            |            |
| Ph 2                   | Physics electives               | 9                     |            | 9          |
| ME 50ab                | Experiments & Modeling in ME    |                       | 9          | 9          |
|                        | Capstone Design                 | 9                     | 9          |            |
|                        | Advanced ME Electives           |                       | 9          | 9          |
| <b>Ae 105</b>          | <b>Aerospace Engineering</b>    | <b>9</b>              | <b>9</b>   | <b>9</b>   |
|                        |                                 | <hr/>                 |            |            |
|                        |                                 | <b>36</b>             | <b>36</b>  | <b>36</b>  |
|                        | w/ HSS                          | <b>45</b>             | <b>45</b>  | <b>45</b>  |
| <br><i>Fourth Year</i> |                                 |                       |            |            |
|                        | Math elective                   | 9                     |            |            |
| E 10                   | Technical Seminar Presentation  |                       | 3          |            |
| E 11                   | Written Technical Communication |                       |            | 3          |
|                        | Advanced ME Electives           | 9                     | 9          | 9          |
| <b>Ae&gt;100</b>       | <b>Aerospace elective</b>       | <b>9</b>              | <b>9</b>   | <b>9</b>   |
|                        |                                 | <hr/>                 |            |            |
|                        |                                 | <b>27</b>             | <b>21</b>  | <b>21</b>  |
|                        | w/ HSS                          | <b>36</b>             | <b>30</b>  | <b>30</b>  |

**Example of Course Schedule**  
**Computer Science Minor**

|                        |                                      | <i>Units per term</i> |            |            |
|------------------------|--------------------------------------|-----------------------|------------|------------|
|                        |                                      | <i>1st</i>            | <i>2nd</i> | <i>3rd</i> |
| <i>Second Year</i>     |                                      |                       |            |            |
| Ma 2                   | Differential Equations               | 9                     |            |            |
| ACM 95ab               | Intro. Meth. Appl. Math.             |                       | 12         | 12         |
| Ma 3                   | Math elective                        |                       | 9          |            |
| ME 10                  | Thinking like an Engineer            | 1                     |            |            |
| ME 11abc               | Thermal Science                      | 9                     | 9          | 9          |
| ME 12abc               | Mechanics                            | 9                     | 9          | 9          |
| ME 13                  | Mechanical Prototyping               | 4                     |            |            |
| ME 14                  | Design & Fabrication                 |                       |            | 9          |
| <b>CS 1</b>            | <b>Computer Programing</b>           | <b>9</b>              |            |            |
|                        |                                      | <hr/>                 |            |            |
|                        |                                      | <b>41</b>             | <b>39</b>  | <b>39</b>  |
|                        | w/ HSS                               | <b>50</b>             | <b>48</b>  | <b>48</b>  |
| <br><i>Third Year</i>  |                                      |                       |            |            |
| Ma 6                   | Math elective                        | 9                     |            |            |
| Ph 2                   | Physics electives                    | 9                     |            | 9          |
| ME 50ab                | Experiments & Modeling in ME         |                       | 9          | 9          |
|                        | Capstone Design                      | 9                     | 9          |            |
|                        | Advanced ME Electives                | 9                     |            |            |
| <b>CS 2</b>            | <b>Programming Methods</b>           |                       | <b>9</b>   |            |
| <b>CS 11</b>           | <b>Computer Language Shop</b>        |                       |            | <b>3</b>   |
| <b>CS 21</b>           | <b>Decidability and Tractability</b> |                       | <b>9</b>   |            |
| <b>CS 24</b>           | <b>Computing Systems</b>             |                       |            | <b>9</b>   |
|                        |                                      | <hr/>                 |            |            |
|                        |                                      | <b>36</b>             | <b>36</b>  | <b>30</b>  |
|                        | w/ HSS                               | <b>45</b>             | <b>45</b>  | <b>39</b>  |
| <br><i>Fourth Year</i> |                                      |                       |            |            |
|                        | Math elective                        | 9                     |            |            |
| E 10                   | Technical Seminar Presentation       |                       | 3          |            |
| E 11                   | Written Technical Communication      |                       |            | 3          |
|                        | Advanced ME Electives                | 9                     | 18         | 9          |
| <b>CS 38</b>           | <b>Algorithms</b>                    |                       |            | <b>9</b>   |
| <b>CS&gt;114</b>       | <b>CS elective</b>                   | <b>9</b>              |            |            |
|                        |                                      | <hr/>                 |            |            |
|                        |                                      | <b>27</b>             | <b>21</b>  | <b>21</b>  |
|                        | w/ HSS                               | <b>36</b>             | <b>30</b>  | <b>30</b>  |