The courses below will complete the LBCC Associate of Science Degree in Transfer Engineering; and will cover the full Freshman and Sophomore Mechanical Engineering curriculum at OSU. The OSU curriculum can change periodically, see a LBCC Engineering Advisor for updates.

The **bolded** core courses **must** be completed before you can be admitted to your OSU Engineering Profession School and be eligible to take junior level engineering classes in your major. Your admission to the OSU Engineering Professional School is based on your grades in the bolded core classes. **Underlined** classes are prerequisites for junior classes in your major.

LBCC is a small school, deviating from this schedule can create course conflicts in following terms. However, many of the classes are also offered during other terms than those shown below. See an advisor for details. Plan ahead and schedule carefully.

The course schedule below is laid out in a standard two year format. Some of the terms shown may have unrealistically high course loads. Create term schedules that have realistic course loads that you can complete successfully. You should focus first on completing the core and pre-requisite classes, and schedule your other classes around that.

### Freshman Year

#### Fall
- ENGR111 Engr Orientation I (4)
- CH150¹ Prep Chemistry (3)
- MTH251 Calculus (5)
- WR121 College Writing (3)
- PE231 Lifetime Wellness (3)
- HD120 Destination Graduation (1)

#### Winter
- ENGR112 Engr Orientation II (4)
- CH201 Engr. Chemistry (5)
- MTH252 Calculus (5)
- COM111orCOM112 Speech (3)
- Cultural Diversity (3)
- Biology (4)

#### Spring
- ENGR248 Drafting (3)
- CH202 Engr. Chemistry (5)
- MTH253 Calculus (4)
- WR227 Tech Report Writing (3)
- HD120 Destination Graduation (1)

### Sophomore Year

#### Fall
- PH211 Physics (5)
- MTH254 Calculus (4)
- ENGR211 Statics (4)
- ENGR201 DC Circuits (4)
- DPD Diff Power Discrimin (3)

#### Winter
- PH212 Physics (5)
- MTH265 Statistics (4)
- ENGR212 Dynamics (4)
- ENGR202 AC Circuits (4)
- EC201 or EC202² (Economics) (3)

#### Spring
- PH213 Physics (5)
- MTH256 Diff. Eqns (4)
- ENGR213 Strengths (4)
- Literature and Arts (3)
- ENGR211, 112 sequence is also offered in the Winter, Spring, Summer terms. The ENGR111, 112 sequence is also offered in the Winter, Spring terms

### Notes:

1. CH201 and CH221 have a prerequisite of CH150 or High School Chemistry + Passing a Chemistry Skills Test

2. Mechanical Engineering requires Microeconomics (LBCC EC201) or Macroeconomics (LBCC EC202) as the Social Processes and Institutions perspective

3. Students can take MA 3.396B, Manufacturing Processes, and substitute it for the required Machine Tool class at OSU in the junior year

4. The PH211, 212, 213 sequence and ENGR211, 212, 213 sequence are also offered in the Winter, Spring, Summer terms.