Western Washington University’s Engineering Technology Department has transitioned to an Engineering & Design Department (effective Summer 2014). Students are no longer being accepted into the existing Engineering Technology programs. The hands-on, project-based learning model that has made our Engineering Technology graduates so successful will be maintained in the new Engineering & Design programs. Below is a list of degrees offered within our renamed department:

- Electrical Engineering--Electronics Concentration
- Electrical Engineering--Energy Concentration
- Manufacturing Engineering
- Plastics & Composites Engineering
- Industrial Design
- Industrial Technology-Vehicle Design

**Important Information for Transfer Students:**
Suggested transfer coursework varies by program. It is not necessarily advantageous for a student to have completed an Associates degree in preparation for one of Western’s engineering programs. What is most important is their successful completion of prerequisite coursework (see reverse for a list of required major prerequisites). Students may also want to complete some or all of their General University Requirements (GURs) before transferring to Western in order to reduce their quarterly course load at Western. With the exception of Electrical Engineering and Industrial Design, students who have completed all of the prerequisite coursework and GURs should be able to graduate in two years if they carry a four-course load most terms. Electrical Engineering and Industrial Design students should expect to spend three years at WWU. Seeking early advising (before attendance) at Western is the best way to determine a student’s timeline to graduation. It is important to ensure that the courses students take will successfully transfer to Western; the easiest way to do so is by using the Transfer Course Equivalency Guide.

**Online:** www.admissions.wwu.edu --> click TRANSFER --> and then Transfer Course Equivalency Guide for Washington State Community Colleges and Public Baccalaureate Institutions

If a course in the transfer guide does not indicate a specific WWU course number (listing 1TT or 1XX), it may still transfer to WWU. Students who think a course should transfer will need to submit a syllabus/course description to the appropriate department in order to determine if the course has equivalency.

<table>
<thead>
<tr>
<th>Program</th>
<th>Application Time</th>
<th>For more details on admissions, refer to the Planning Guides in Advising/Admissions on our website: <a href="http://www.engr.wwu.edu">www.engr.wwu.edu</a></th>
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</thead>
<tbody>
<tr>
<td>Electrical Engr</td>
<td>End of Spring Qtr</td>
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<tr>
<td>Manuf. Engr.*</td>
<td>Winter Qtr</td>
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<tr>
<td>Plastics/Comp. Engr.*</td>
<td>Winter Qtr</td>
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<tr>
<td>Indus. Tech.-Veh. Des.*</td>
<td>Winter Qtr</td>
<td></td>
</tr>
<tr>
<td>Industrial Design</td>
<td>End of Spring Qtr</td>
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</tbody>
</table>

Students hoping to gain admission to the major at other times should contact the Program Coordinator to inquire about possible openings. *Students intending to graduate in two years MUST seek departmental advising well before attending WWU.

**Questions?** Contact the department Program Coordinator and Pre-Major Advisor:
Lisa Ochs 360.650.4132  lisa.ochs@wwu.edu  ET 204  www.engr.wwu.edu
Prerequisite Course Requirements (must be completed* to apply for Major admission)

**Electrical Engineering** (both Electronics & Energy Concentrations)
- MATH 124 - Calculus & Analytic Geometry I
- MATH 125 - Calculus & Analytic Geometry II
- MATH 204 - Linear Algebra
- PHYS 161 - Physics w/ Calculus I
- PHYS 162 - Physics w/ Calculus II
- CSCI 140 - Programming Fundamentals (for transfer, C++ or Java preferred)
- EE 110 - Intro to Electrical Engineering
- EE 111 - Circuit Analysis I

**Manufacturing Engineering**
- MATH 124 - Calculus & Analytic Geometry I *Up to two courses may be in progress at application*
- MATH 125 - Calculus & Analytic Geometry II **C++ or Java preferred for CSCI 140 transfer courses**
- CHEM 121 - General Chemistry I
- PHYS 161 - Physics w/ Calculus I
- ENGR 104 - Intro to Engineering & Design
- ENGR 170 - Intro to Materials Science & Engineering
- ENGR 214 - Statics

**Plastics & Composites Engineering**
- MATH 124 - Calculus & Analytic Geometry I *Up to two courses may be in progress at application*
- MATH 125 - Calculus & Analytic Geometry II **C++ or Java preferred for CSCI 140 transfer courses**
- CHEM 121 - General Chemistry I
- CHEM 122 - General Chemistry II
- PHYS 161 - Physics w/ Calculus I
- ENGR 104 - Intro to Engineering & Design
- ENGR 170 - Intro to Materials Science & Engineering
- ENGR 214 - Statics

**Industrial Technology-Vehicle Design**
- MATH 124 - Calculus & Analytic Geometry I *Up to two courses may be in progress at application*
- PHYS 161 - Physics w/ Calculus I **C++ or Java preferred for CSCI 140 transfer courses**
- ENGR 104 - Intro to Engineering & Design
- ENGR 170 - Intro to Materials Science & Engineering
- ENGR 214 - Statics
- VHCL 260 - Vehicle Systems I

**For detailed information on the Industrial Design program and prerequisite coursework, visit [www.wwu.edu/id/entrance.shtml](http://www.wwu.edu/id/entrance.shtml). Students must spend at least one academic year (FWS quarters) at Western as an Industrial Design Pre-Major in order to be ready to apply to the full major. Students must submit an Entrance Portfolio to be accepted as a Pre-Major (~24 students/year), and a Sophomore Portfolio to be accepted as a Major (~12 students/year).**