

# ORANGE COAST COLLEGE

## TRANSFER CURRICULUM GUIDE

### ENGINEERING

#### Manufacturing Engineering

#### **LOWER DIVISION MAJOR REQUIREMENTS FOR TRANSFER**

The following courses should be taken at OCC prior to transfer. Courses not offered at OCC will need to be taken after transfer unless otherwise noted. Four-year colleges and universities often make changes in their requirements for majors. The information contained in this guide is based on the most recent information available from the four-year school and does not constitute an official agreement.

Recent updates to this guide can be found on the Transfer Center Website at:

[www.occ.cccd.edu/departments/studentsvcs/transferctr](http://www.occ.cccd.edu/departments/studentsvcs/transferctr)

#### **CAL POLY, POMONA**

#### **BACHELOR OF SCIENCE IN MANUFACTURING ENGINEERING**

<b>CPP</b>	<b>OCC</b>	<b>(09/17:A16-17)</b>
<b>Required Core Courses</b>		
IME 112	No Equivalent Course	
IME 113/113L	No Equivalent Courses	
IME 224/224L	No Equivalent Courses	
IME 239	No Equivalent Course	
MAT 114, 115, 116	MATH 180(or 180H) & 185(or 185H)*	
MAT 214, 215	MATH 280(or 280H)	
MAT 224	MATH 285(or 285H)	
MFE 126/126L	MACH 152	
MFE 217/217L	No Equivalent Courses	
MFE 221/221L	No Equivalent Courses	
MFE 226/226L	No Equivalent Courses	
MFE 230/230L	No Equivalent Courses	
MFE 250/250L	No Equivalent Courses	
PHYS 131/L, 132/L, 133/L	PHYS 185, 280, 285 <u>or</u> 130, 135 & 285	
<b>Required Support Courses</b>		
EGR 100/100L	No Equivalent Courses	
CHM 121/L, 122/L, 123/L	CHEM 180 & 185**	
ECE 231/231L	ENGR 285	
ME 214/224L	ENGR 280	
ME 215	No Equivalent Course	
ME 218	No Equivalent Course	
EC 201 <u>or</u> 202	ECON 175 <u>or</u> 170	
*MATH 182H is also equivalent to MAT 114, 115, 116.		
**CHEM 185 may not be required for transfer students who have excess units within the College of Engineering of College of Science.		
<b>Note: This program is impacted and requires a supplementary admission process.</b>		

# CAL POLY, SAN LUIS OBISPO

## BACHELOR OF SCIENCE IN MANUFACTURING ENGINEERING

<b>CPSLO</b>	<b>OCC</b>	<b>(09/17:A16-17)</b>
<b>Major Courses</b>		
IME 101	No Equivalent Course	
IME 140	No Equivalent Course	
IME 141	No Equivalent Course	
IME 142	WELD 140 & 200	
IME 144	No Equivalent Course	
IME 156	No Equivalent Course	
IME 223	No Equivalent Course	
BMED 212	No Equivalent Course	
CE 207	No Equivalent Course	
<b>Support Courses</b>		
BIO 213 <u>or</u> BRAE 213	No Equivalent Courses	
CE 204	No Equivalent Course	
CHEM 124 & 125	CHEM 180 & 185	
CSC 232	No Equivalent Course	
EE 201 & 251	ENGR 285	
ENGL 149	ENGL 105*	
MATE 210 & 215	No Equivalent Courses	
MATH 141, 142, 143, 241	MATH 180(or 180H) & 185(or 185H) & 280(or 280H)+	
MATH 244	MATH 285(or 285H)	
ME 211	ENGR 280	
ME 212	No Equivalent Course	
PHYS 132, 133 & 141	PHYS 185 & 280 & 285	
*Credit only when additional GE Area A3 course is completed.		
+MATH 182H & 280H is also equivalent to MATH 141, 142, 143 & 241.		
<b>Note: Selection criteria for transfer students can be found at: <a href="http://admissions.calpoly.edu/applicants/transfer/criteria.html">http://admissions.calpoly.edu/applicants/transfer/criteria.html</a></b>		

**ADDITIONAL AGREEMENTS ARE AVAILABLE ON THE INTERNET FOR THE FOLLOWING SCHOOLS AT:**

[www.assist.org](http://www.assist.org)

<b>Campus</b>	<b>Campus</b>
CSU Northridge	