

PORTLAND STATE UNIVERSITY MASEEH COLLEGE of ENGINEERING and COMPUTER SCIENCE TRANSFER GUIDE: **ELECTRICAL and COMPUTER ENGINEERING**

PSU CLASSES	PCC	CCC	CHEMEK	CLARK	MHCC
MTH 251: calculus 1	MTH 251	MTH 251	MTH 251	MATH&151	MTH 251
MTH 252: calculus 2	MTH 252	MTH 252	MTH 252	MATH&152	MTH 252
MTH 253: calculus 3	MTH 253	MTH 253	MTH 253	MATH&153	MTH 253
MTH 261: linear algebra	MTH 261	MTH 261	MTH 261	MATH 215	MTH 261
MTH 254: calculus 4 (EE only)*	MTH 254	MTH 254	MTH 254	MATH&254	MTH 254
MTH 256: differential equations	MTH 256	MTH 256	MTH 256	MATH 221	MTH 256
CH 221 + 227: chemistry	CH 221	CH 221	CH 221	CHEM&141+151	CH 221
PH 211 + 214: physics I	PH 211	PH 211	PH 211	PHYS&241+231	PH 211
PH 212 + 215: physics II	PH 213	PH 212	PH 213	PHYS&242+232	PH 213
PH 213 + 216: physics III	PH 212	PH 213	PH 212	PHYS&241+233	PH 212
ECE 101 + 102 + 103	ENGR 101 (for ECE 101) ENGR 114 (for ECE 102) CS133U (for ECE 103)	CS 161 (or ENGR 102) + ENGR 111 + 112 + CS 162	CS 161 + 162 + GE 101 + 102	ENGR 120 + CSE 121	CS 161 + 162 + GE 102
ECE 171: digital circuits	ENGR 171	ENGR 171	-----	ENGR 250	-----
ECE 172: digital systems	ENGR 271	ENGR 271	-----	ENGR 270	-----
ECE 221: elec circuits 1	ENGR 221	ENGR 221	EGR 201	ENGR 204+252+253	EGR 201
ECE 222: elec circuits 2	ENGR 222	ENGR 222	EGR 202	ENGR 204+252+253	-----
ECE 223: elec circuits 3	ENGR 223	ENGR 223	EGR 203	ENGR 204+252+253	-----
ECE 211, ECE 212	-----	-----	-----	-----	-----
WR 121: college writing	WR 121	WR 121	WR 121	ENGL &101	WR 121
COMM 220: public speaking	COMM 111	COMM 111	COMM 111	CMST&220	COMM 111

*for electrical engineering students only, not computer engineering

ELECTRICAL and COMPUTER ENGINEERING at PSU

Electrical Engineering (EE) deals with the study and application of electricity, electronics and electromagnetism. It covers a range of topics including power, electronics, telecommunications, and more. Electrical Engineers are typically concerned with using electricity to transmit energy and also to process information.

Computer Engineering (CMPE), also called computer systems engineering, integrates several fields of electrical engineering and computer science required to develop computer systems. This field of engineering not only focuses on how computer systems themselves work, but also how they integrate into the larger picture.

PSU: Students must apply to the EE or CMPE major in the Maseeh College to take upper division (300/400 level) engineering courses (in addition to the application for PSU admission). Apply to the ECE Department by the April 15 annual deadline when nearing completion of all required lower division coursework to begin 300/400 level engineering courses the following fall. See Admission Requirements (pdx.edu/cecs/admission-to-a-major) for information.

General education: Transfer students enter PSU's General Education programs ("University Studies" or "University Honors") based on the quantity of college level credits completed. Students also complete specific lower division Arts and Letters/Social Science (A&L/SS) Requirements which may be taken at the previous college or at PSU. For EE and CMPE students, A&L/SS includes WR 121 (a college writing class) and COMM 220 (a public speaking class). See details of the A&L/SS requirements at "Maseeh College of Engineering and Computer Science Arts & Letters/Social Science Requirement" (pdx.edu/cecs/transferring-credits) and clicking on General Education Requirements for Transfer Students.

Tips:

- Apply for admission to PSU by the priority admission deadlines (December 1 for the following fall)
- To apply for PSU scholarships students must have already applied to PSU. Scholarship application due date = Feb. 1 for the next academic year, beginning in September (pdx.edu/scholarships)
- All incoming PSU students must complete Orientation before registering; students must have been admitted to PSU before they can sign up for Orientation

Advising is available! Contact the Student Services Office: 503.725.4631; ecsmppadvising.youcanbook.me/