



Associate in Science (AS-T/MRP) Transfer Degree

Planning Worksheet 2019-20

Computer and Electrical Engineering

Student:

READ THIS FIRST:

- Start your degree with math and English. No degree plans can be done without math and English placement.
- The final responsibility for understanding and fulfilling all graduation requirements rests with each student.

Preparatory math as necessary: MATH 97 MATH 98 MATH 99 MATH& 141 MATH& 142

Pre-Reqs	Course	Credits	Taken
CORE REQUIREMENTS: MATH			
MATH& 142 with C or better	MATH& 151	Calculus I	5
MATH& 151 with C or better	MATH& 152	Calculus II	5
MATH& 152 with C or better	MATH& 163	Calculus III	5
MATH& 151 with C or better	MATH 204	Introduction to Linear Algebra	5
MATH& 152 with C or better	MATH 207	Taylor Series	1
MATH& 151 with C or better	or MATH 208	Sequences and Series	3
MATH& 152 with C or better	MATH 238	Introduction to Differential Equations	5
Subtotal			26-28

CORE REQUIREMENTS: SCIENCE AND ENGINEERING			
Prior or concurrent MATH& 141; placement in ENGL& 101	ENGR 101	Introduction to Engineering	5
Note: ENGR 101 may be waived for students entering the pathway with advanced standing (MATH&152 or higher).			
MATH& 141 with C or better. Recommended: CHEM& 121 or one year high school chemistry	CHEM& 161	General Chemistry with Lab I	5
CS 140	CS 145	Computer Programming Fundamentals II	5
PHYS& 223 with C or better; prior or concurrent MATH 238; placement in ENGL& 101. Recommended: ENGR 151 and MATH 204	ENGR& 204	Electrical Circuits	6
MATH& 151 with C or better; placement in ENGL& 101; previous college physics course or high school physics	PHYS& 221	Engineering Physics I	5
MATH& 152 with C or better; PHYS& 221 with C or better; placement in ENGL& 101	PHYS& 222	Engineering Physics II	5
PHYS& 222 with C or better	PHYS& 223	Engineering Physics III	5
Subtotal			31-36

PROGRAM-SPECIFIC REQUIREMENTS

Students must complete a minimum of five additional courses selected from the following list, according to intended major and transfer university requirements.

Prior or concurrent CHEM& 161; placement in ENGL& 101	BIOL& 221	Majors Ecology/Evolution	5
CHEM& 161 with C or better	CHEM& 162	General Chemistry with Lab II	5
CS 145	CS 240	Data Structure and Algorithm Fundamentals	5

LIST CONTINUES ON BACK

Associate in Science Transfer Degree -- Computer and Electrical Engineering p.2

program-specific requirements list continued from previous page				
Pre-Reqs	Course		Credits	Taken
ENGL& 101 with C- or better	ENGL& 230	Technical Writing	3	
ENGL& 101 with C- or better	or ENGL& 235	Technical Writing	5	
Note: Credit for both ENGL& 230 and ENGL& 235 cannot be applied to this requirement.				
MATH& 152 with C or better or both MATH& 142 and ENGR 101 with grades of C or better; placement in ENGL& 101	ENGR 151	Introductory Design and Computing	5	
MATH& 152 with C or better; PHYS& 221 with C or better; placement in ENGL&101	ENGR& 214	Statics	5	
MATH& 163 with C or better; PHYS& 221 with C or better; ENGR& 214 with C or better	ENGR& 215	Dynamics	5	
CHEM& 162 with C or better; MATH& 152 with C or better; PHYS& 222 with C or better; placement in ENGL&101	ENGR& 224	Thermodynamics	5	
Note: See an advisor if taking ENGR& 224 in 2018-19.				
MATH& 163 with C or better; MATH 207 with C or better. Recommended: prior / concurrent MATH 204	ENGR 240	Applied Numerical Methods	5	
MATH& 163 with C or better	MATH& 264	Calculus IV	5	
			Subtotal	23-25
GENERAL EDUCATION REQUIREMENTS				
ENGL 95 or placement in ENGL& 101	ENGL& 101	English Composition I	5	
Varies; see catalog	Any course designated as humanities (H)		5	
Varies; see catalog	Any course designated as social sciences (SS)		5	
Varies; see catalog	Any additional course designated as humanities (H) or social sciences (SS)		5	
Note: See an advisor for help choosing appropriate courses in this area. Depending on the major and the transfer institution, certain courses are preferred.				
			Subtotal	20
			Total	100-109
ADDITIONAL GRADUATION REQUIREMENTS				
Minimum of 15 college-level credits at Whatcom Community College				
Minimum 2.0 overall GPA in courses applied to this degree				
ADVISOR RECOMMENDATIONS				
<ul style="list-style-type: none"> • Complete each science sequence at a single college. • Specific majors at each university may have different/additional prerequisites/GPA requirements. Check with your intended university for details. • University of Washington requires foreign language for admission: two years of a single language in high school, or two quarters of a single language in college. Some majors also require a third year/quarter for graduation. 				
Fall 2019				Revised 9/4/2019