

Articulation Agreement

University of North Dakota and Adirondack Community College

Queensbury, NY

Degree: Bachelor of Science in Electrical Engineering

Major: ELECTRICAL ENGINEERING

The following information was updated according to the 2013-2015 UND CATALOG - Students satisfactorily completing the courses below may transfer them to UND in fulfillment of the corresponding course requirements for this degree. Essential Studies equivalencies, courses, and major requirements may change. An official evaluation of transfer credit will be done upon admission to the university. Transfer credits will be evaluated and applied according to the current catalog and the approved Essential Studies list at the first semester of enrollment at UND.

Students planning to transfer to UND are encouraged to have phone or email contact with a UND adviser. Students may call the Advising Office at 1-800-CALL-UND ext. 3411 or 777-3411.

135 credits are required to graduate with an electrical engineering degree from UND.

**ENGR 105, 106, and 204 must all be taken to replace UND's PHYS 251/L and 252/L.

ACC	Course/Credits/Title	UND	Course/Credits/Title
<u>I. Communication - COM</u>			
ENG 101	3 Intro to College Writing	ENGL 110	3 College Composition I
ENG 110	3 Elements of Technical Writing	ENGL 130	3 College Comp II: Writing for Public Au
<u>II. Social Science - SS</u>			
Elective Credit	9 Credit from two areas	Elective Credit	9 Credit from two areas
<u>III. Arts and Humanities - FA/HUM</u>			
Elective Credit	9* Credit from two depts.	Elective Credit	9* Credit from two depts.
*must include 3 credits designated as Fine Arts and 3 credits designated as Humanities			
*must include 3 credits of ethics as specified			
<u>IV. Mathematics, Science & Technology - MST</u>			
CHM 111	4 General Chemistry I (Q)	CHEM 121/L	3/1 General Chemistry I
CHM 112	4 General Chemistry II (Q)	CHEM 122/L	3/1 General Chemistry II
MAT 131	4 Calculus I	MATH 165	4 Calculus I
MAT 132	4 Calculus II	MATH 166	4 Calculus II
<u>Other Program Requirements</u>			
EGR 208 or	3 Dynamics or	Elective Credit	6 Select two courses
ÖGR 209 or	3 Mechanics II: Materials or		
EGR 210 or	3 Thermodynamics (preferred) or		
EGR 211	3 Intro to Materials Science		
**EGR 105	4 Engineering Physics I	PHYS 251/L	3/1 University Physics I/L
**EGR 106	4 Engineering Physics II	PHYS 252/L	3/1 University Physics II/Lab
**EGR 204	4 Engineering Physics III		
EGR 183	4 Digital Ligid Design/Lab	EE 201/201	3 Intro to Digital Electronics/Lab
EGR 109	3 Engineering Graphics & CAD	ENGR 101	3 Graphical Communication
EGR 180	3 Intro to Engineering Design	EE 101	1 Intro to Electrical Engineering
EGR 207	3 Mechanics I: Statics	ENGR 201	3 Statics
EGR 222	3 Circuit Analysis/Lab	EE 206/306	3/1 Circuit Analysis/Lab
EGR 223	4 Microprocessor Architecture/Lab	EE 452	3 Embedded Systems
MAT 231	4 Calculus III	MATH 265	4 Calculus III
MAT 232	4 Differential Equations & Series	MATH 266	3 Elementary Differential Equations

When choosing your Essential Studies (General Education) Courses in Communication, Social Science, Arts and Humanities, and Math, Science and Technology, you will need to consider how you will meet the special emphasis requirements. Courses listed above that meet a special emphasis requirement are marked as follows: Oral Communication requirement (O), Social-Cultural Diversity requirement: United States (U), Social-Cultural Diversity requirement: Global (G), Quantitative Reasoning requirement (Q), and Advanced Communication requirement (A). To learn more please go to <http://und.edu/academics/essential-studies> or check with your adviser.

All students-including transfers-are required to take an Essential Studies upper division Capstone (C) course at UND. Approved Capstone courses are taken in the senior year of a student's undergraduate program.

Additional classes will be required to earn the above degree; a minimum of 125 credits is required to graduate from UND. Transfer credit for courses other than those listed above will be evaluated on a course-by-course basis.