



Pathway to Engineering Agreement

BETWEEN

THE COLLEGE OF ENGINEERING

THE UNIVERSITY OF NEW ORLEANS

AND

NORTHSHORE TECHNICAL COMMUNITY COLLEGE

2016 - 2017

Purpose

The College of Engineering of the University of New Orleans (UNO) and Northshore Technical Community College (NTCC) have entered into this agreement establishing a transferable pathway for NTCC students to become eligible for direct admission into the College of Engineering at UNO. This pathway provides students a transparent and systematic outline for successfully completing an engineering baccalaureate degree from UNO in Civil Engineering, Electrical Engineering, Mechanical Engineering or Naval Architecture and Marine Engineering and an associate degree and/or certificate of completion from NTCC. The institutions will partner to facilitate student access through a seamless and concurrent blend of curricula.

Program

Northshore Technical Community College students who have completed the Engineering Pathway will be admitted as sophomores in the College of Engineering at the University of New Orleans provided they meet the requirements as outlined in this agreement.

The total number of credit hours required to complete a bachelor's degree in Engineering at UNO is 121-129 (depending on field of study). Students may transfer up to 51 credit hours and at a minimum complete the Certificate of General Studies (at least 30 credit hours) from NTCC before transferring to UNO. NTCC students who successfully transfer to UNO's College of Engineering will earn a Bachelor's degree in Civil, Electrical, Mechanical or Naval Architecture and Marine Engineering from the University of New Orleans after successfully completing the additional required credit hours (at least 83-91) at UNO and meeting all UNO Engineering degree requirements.

NTCC students will follow the requirements in the UNO Undergraduate/Graduate Catalog in force at the time they enter NTCC provided it is not older than Academic Year 2016-2017 and provided there was no break in enrollment for one regular semester (fall or spring) at NTCC, not including summer sessions.

In order to graduate from UNO, students must achieve a quality point ratio of 2.0 or better in all work attempted, all work taken at UNO, and all courses in the major.

Enrollment Management

Some courses in this program may require prerequisites. See NTCC and UNO *Catalogs* for specific requirements.

Some courses (e.g. Engineering courses) are not taught by NTCC and in those cases, UNO will utilize concurrent enrollment opportunities by following the guidelines established in the Cross Enrollment Agreement between UNO and NTCC and by including UNO courses at the 1000 and 2000 level taught by UNO faculty (e.g. Engineering courses) on NTCC's campus and online to NTCC students. In addition, upon agreement by NTCC, UNO has the opportunity to offer 3000 level engineering courses to sophomore level NTCC students on NTCC's campus or online prior to students transferring to UNO.

NTCC students who successfully transfer to UNO in Engineering have the ability to reverse articulate their successfully completed credit hours back to NTCC for awarding the Associate of General Studies degree.

NTCC and UNO mutually agree to review and approve together all student recruitment materials and events pertaining to the Engineering Pathway as defined in this agreement. NTCC and UNO will participate in joint recruitment activities that include but are not limited to high school visits and presentations, community outreach events, and on-campus orientations.

Workforce Development

The Engineering Pathway between UNO and NTCC helps to ensure both institutions are being proactive in addressing challenges in the economy and resulting changes in the higher education landscape. In addition, the partnership ensures the participating institutions are responsive to relevant workforce needs of our local, state, and regional industry partners. As a result, NTCC and UNO mutually agree to include a representative from both institutions for program advisory meetings, industry partnerships meetings, economic development meetings, and chamber meetings when relevant to the Engineering Pathway.

Courses to be completed at NTCC with UNO Equivalent

Fall Semester (1 st Semester)		UNO Equivalent	
ENGL 1015 Composition I	3	ENGL 1157 English Composition I	3
MATH 1015 College Algebra	3	MATH 1125 ¹ Pre-calculus Algebra	3
Fine Art Elective (ARTS 1010, ARTS 1020, MUSC 1010, THEA 1010)	3	Art Elective	3
Behavioral Science Elective (CRMJ 1110, ECON 2010, ECON 2020, PSYC 2015, PSYC 2040, SOCL 2015)	3	Social Sciences	3
Natural Science: Biology Elective (BIOL 1010, 1020, BIOL 1100, BIOL 1110, BIOL 1200, BIOL 2200, BIOL 2300)	3	Biology Elective	3
	15		15

Spring Semester (2 nd Semester)		UNO Equivalent	
MATH 1650 Pre-calculus with Trigonometry (or MATH 1620 Pre-calculus)	3 (5)	MATH 1126 ¹ Pre-calculus Trigonometry	3
ENGL 1025 English Composition II	3	ENGL 1158 English Composition II	3
ECON 2010 or Principles of Macro Economics or ECON 2020 Principles of Micro Economics	3	ECON 2000 Engineering Economics (substitution)	3
CHEM 1010 Chemistry I	3	CHEM 1000NE General Chemistry I (substitution)	3
Humanities Elective (ENGL 2010, ENGL 2020, HIST 1010, HIST 1020, HIST 2010, HIST 2020, HIST 2100, SPAN 1010, SPAN 1020, or SPCH 1015)	3	Humanities Elective	3
	15 (17)		15

Fall Semester (3 rd Semester)		UNO Equivalent	
MATH 2000 – Calculus I	5	MATH 2114 Calculus I	4
Not offered at NTCC - Cross-enrolment at UNO	3	PHYS 1061 Physics I	3
Not offered at NTCC - Cross-enrolment at UNO	1	PHYS 1063 Physics I Lab	1
Not offered at NTCC - Cross-enrolment at UNO	3	ENGL 2152 Technical Writing	3
Literature Elective (ENGL 2010 – British Lit. or ENGL 2020 – American Lit.)	3	Literature Elective (exception NAME students) ²	3
Not offered at NTCC - Cross-enrolment at UNO ²	3	NAME 1170 Intro to Naval Architecture (NAME ONLY) ²	3
	15		14

Total NTCC	45 (47)	Total UNO	44
		Total Engineering credits ¹	38

Other Requirements:
Cumulative GPA of 2.25 or better in all credit hours used toward Pathway
Earn a "C" or better in all courses
Complete at least 9 hours at the 2000 level
Complete UNO host orientation to Engineering

1. MATH 1125 and MATH 1126 do *not* carry credit in engineering
2. NAME 1170 will be taught at UNO as a cross-enrolled class with NTCC. This class is a requirement for NAME students only and will be taken in lieu of the literature elective.

Program Evaluation

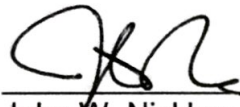
Once every two academic years, UNO faculty and staff will meet with NTCC faculty and staff to review current curriculum and course offerings and present any changes to the curriculum outlined in this agreement prior to implementing the proposed changes. This meeting will include review the performance of Engineering Pathway students and other transfer students in upper level engineering courses to compare Engineering Pathway students to that of continuing UNO students. Both UNO and NTCC will agree upon mutually approved strategies for future program growth and development.

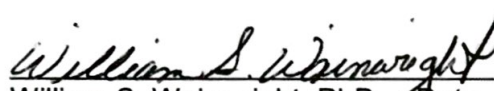
Program Renewal

This agreement will be renewed every three years from the date of signing and will be continued, modified or terminated upon mutual agreement of the parties.


**University of New Orleans
(UNO)**

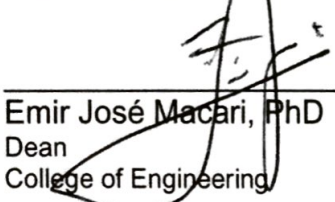
**Northshore Technical Community College
(NTCC)**

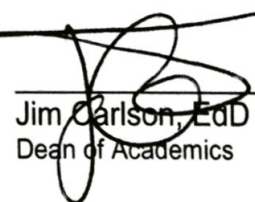

 John W. Nicklow, PhD 9/13/16
 President Date

 9/13/16
 William S. Wainwright, PhD Date
 Chancellor

 09/18/16
 Norman L. Whitley, PhD Date
 Interim Provost and Vice President

 9/13/16
 Daniel Roberts, PhD Date
 Provost and Vice Chancellor of Academic Affairs

 9/24/16
 Emir José Macari, PhD Date
 Dean
 College of Engineering

 9/13/16
 Jim Carlson, EdD Date
 Dean of Academics