MEMORANDUM OF UNDERSTANDING

BETWEEN

NORTHWESTERN STATE UNIVERSITY

AND

BOSSIER PARISH COMMUNITY COLLEGE

INTENT

This Memorandum of Understanding between Bossier Parish Community College and Northwestern State University is intended to provide expanded educational opportunities for seamless transfer of students between BPCC and NSU. The goal of this Memorandum of Understanding is to reduce duplication of instruction, reduce student time, and minimize student financial obligations.

AGREEMENT

The following associate and baccalaureate curricular areas are covered by this memorandum. These degrees will be a 2+2 agreement:

BPCC (associate)   NSU (baccalaureate)

Industrial Technology
with the following concentrations:
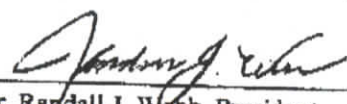
Automation and Controls   Electronics Engineering Technology
                                                (Upper Division)

Engineering Graphics Technology   Industrial Engineering Technology
                                                (Upper Division Graphics)

The signature of each representative indicates that the institution acknowledges and agrees with the information set forth in the Memorandum of Understanding.
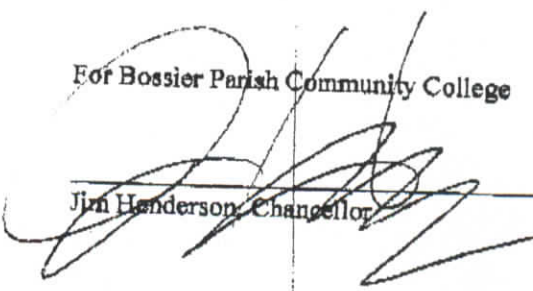
For Northwestern State University   For Bossier Parish Community College

Dr. Randall J. Webb, President   Jim Henderson, Chancellor

08/23/11

Date   Date

DEGREE PROGRESS SHEET
ELECTRONICS ENGINEERING TECHNOLOGY (Electronics Concentration)
Upper Division Courses for BPCC AAS ICS Graduates
NSU Catalog 2009-2010

NAME _____   CWID# _____   ADVISOR _____   CATALOG ____093____

COURSE	Hrs	Grade	QP	Notes	COURSE	Hrs	Grade	QP	Notes
ENGLISH					**ELECTRONICS**				
– ENGL 1020	3				– EET 4300	3			
MATHEMATICS					– PRT 4301	1			
– MATH 2020	6				– EET 4390	3			
NATURAL SCIENCE					– EET 4940	2			
– CHEM 1030	3				**CONCENTRATION**				
– PHYS 2040	3				– EET 4310	3			
– PHYS 2041	1				– EET 4311	1			
–	3			Biol Sci¹	– EET 4350	3			
HUMANITIES					– EET 4351	1			
– ENGL 3230	3				– EET 4950	2			
– HIST	0-3				– IET 2790	3			
FINE ARTS					–				
– FA 1040	3				–				
SOCIAL SCIENCE					Major Hours Subtotal	28			
– ECON 2000	3								
SOCIAL SCIENCE					–				Elective³
–					–				Elective³
CAREER REQUIREMENTS									
– IET 4750	3								
Core Hours Subtotal	35								

¹ All students must meet NSU University core requirements for the Bachelor of Science degree. Paraethical numbers indicate minimum hours required in each core area. College algebra, trigonometry, and general physics with a laboratory are required.

² If HIST 101 or 102 at BPCC is used to satisfy the BPCC humanities requirement of the AAS ICS degree, the NSU humanities requirement is satisfied by ENGL 3230 above.

³ Electives may be selected from any Biomedical Engineering Technology, Computer Science, Electronics Engineering Technology, or Industrial Engineering Technology courses; or Mathematics 2050. Electives may include a maximum of three hours of occupational field experience.
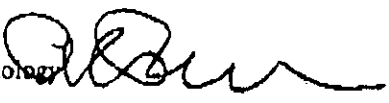
TOTAL HOURS FOR DEGREE – 63

III NORTHWESTERN
STATE UNIVERSITY OF LOUISIANA
Natchitoches, Louisiana 71497

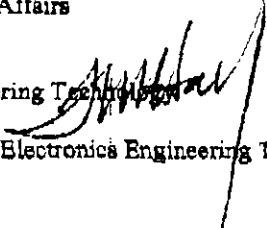*A Member of the University of Louisiana System*

Dr. Thomas M. Hall, Jr.
Department of Engineering Technology
College of Science and Technology
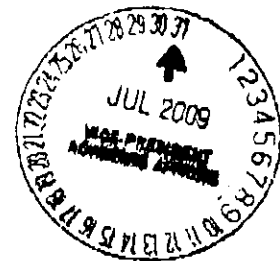Telephone: (318) 357-5298
E-mail: hallt@nsula.edu

July 20, 2009

MEMORANDUM

THROUGH: Dean, College of Science and Technology

TO: Provost and Vice President for Academic and Student Affairs
          President of Northwestern State University

FROM: Dr. Thomas M. Hall, Jr., Head, Department of Engineering Technology

SUBJECT: Approval of Two-Plus-Two Agreement with BPCC in Electronics Engineering Technology

1. The Department of Engineering Technology at NSU and the Division of Math and Technical Education at BPCC have agreed on a two-plus-two arrangement that will allow graduates of the BPCC Associate of Applied Science in Industrial Control Systems (AAS ICS) to earn the Bachelor of Science in Electronics Engineering Technology (BS EET).

2. NSU approval of this agreement is requested.

3. The agreement will allow the Department of Engineering Technology to accept BPCC AAS ICS graduates into the EET program and award the BS degree after successful completion of 63 hours beyond the AAS. Details are in the attachments.

4. BPCC students interested in this program will be required to take specific courses in their AAS program. Students who fail to take these courses for any reason will be required to complete them at NSU. Specifically, the agreement requires:
    a. CIS 102 (Problem Solving and Programming) in lieu of CIS 105
    b. MATH 112 (Trigonometry) rather than the optional MATH 129
    c. PHYS 201 and 201L (General Physics) rather than the optional PHSC 105
    d. HIST 101 or 102 for the humanities elective

Cc: Head, Department of Mathematics
      Head, Department of Chemistry and Physics

Attachments
1 – NSU Upper division EET requirements for BPCC ICS graduates
2 – BPCC AAS ICS Unofficial Curriculum Sheet

Bossier Parish Community College

Unofficial Curriculum Sheet

This unofficial curriculum sheet is established for guidance of students while pursuing an associate degree or certificate at BPCC. Courses marked below which are transferred from another institution are not applicable to degree requirements until approved by the Office of Academic Affairs.

Associate of Applied Science in
Industrial Control Systems

Last Name _____ First _____ MI ___

Address: _____

City: _____ State: _____ Zip: _____

CWID: _____

Phone: _____

Date Initiated: _____

Freshman Year

1st Semester

Course			Grade	Name of Institution	Hours
TEED	101/L:	Basic Electricity & Lab			4
MATH	102:	College Algebra			3
ENGL	101:	Composition & Rhetoric I			3
*CIS	105:	Computer Concepts			3
		Behavioral and Social Science Elective			3
					16

2nd Semester

Course			Grade	Name of Institution	Hours
TEED	143:	Introductory Computer Drafting			3
TEED	102/L:	Semiconductors & Lab			4
TEED	142:	Industrial Blueprint Reading			3
SPCH	110:	Principles of Speech			3
MATH	129:	Applied Technical Math or			
*MATH	112:	Trigonometry			3
					16

Summer Semester

Course			Grade	Name of Institution	Hours
TEED	201:	Digital Electronics			3
TEED	206:	Electric Equipment & Repair			3
					6

Sophomore Year

1st Semester

Course			Grade	Name of Institution	Hours
TEED	202/L:	Introduction to Microprocessors			4
PHSC	105:	Elemental Physics or			
*PHYS	201:	General Physics			3
TEED	150:	Pneumatics			3
TEED	132:	National Electrical Code I			3
					13

2nd Semester

Course			Grade	Name of Institution	Hours
TEED	204:	Industrial Instruments			3
TEED	252/L:	Electric Motor Controls			4
TEED	208/L:	Programmable Logic Controllers			4
		*Humanities Elective			3

*For the BS in EET at NSU option the following courses must be taken: CIS 102, not CIS 105; MATH 112, not MATH 129; PHYS 201 and PHYS 201L, not PHSC 105;   HIST 101 or HIST 102 for humanities elective.

Behavior & Social Science Elective: Geography, Sociology, Political Science, and Psychology

Humanities Elective: English 201, 202, 203, 255, or 256, French, History 101 or 102, Humanities, Philosophy, Religion, Spanish 101, 102, and 201, and Theatre   Students must meet prerequisites before taking any given course.   7/09

14

Total Hours: 65

Advisor

DEGREE PROGRESS SHEET
ELECTRONICS ENGINEERING TECHNOLOGY, Proposed Upper Division
Catalog 2011-2012

NAME _____ CWID# _____ ADVISOR _____ CATALOG __103__

UNIVERSITY CORE	Hrs	Grade	QP	Notes
ENGLISH (3)				
ENGL 1020	3			
MATHEMATICS (6)				
- MATH 2020	6			
NATURAL SCIENCE[1] (7)				
- PHYS 2040	3			
2041	1			
- SCI 1020	3			Biol Sci[1]
HUMANITIES[1] (6)				
- ENGL 3230	3			
- ENGL 2110	3			
- HIST(Human Elect)				
FINE ARTS (3)				
- FA 1040	3			
SOCIAL SCIENCE[1] (3)				
- ECON 2000	3			
Core Hours Subtotal	28			

Students will need to take PHYS 201 and 201L. The History should be taken for BPCC Humanities elective.

MAJOR REQUIREMENTS	Hrs	Grade	QP	Notes
EET CORE:				
- EET 2320	3			
2321	1			
- EET 3310	3			
3311	1			
- EET 3340	3			
3341	1			
- EET 3360	3			
3361	1			
- EET 4300	3			
4301	1			
- EET 4940	2			
- EET 4350	3			
- IET 4351	1			
- IET 4960	2			
- IET 4750	3			
-	3			Elective[3]
Major Hours Subtotal	37			

TOTAL HOURS FOR DEGREE – 65

[1] Must meet University core requirements
[2] Meets Computer Literacy requirements
[3] Electives may be selected from any Biomedical Engineering Technology, Computer Science, Electronics Engineering Technology, or Industrial Engineering Technology courses; or Mathematics 2050
Electives may include a maximum of three hours of occupational field experience.