

MEMORANDUM OF UNDERSTANDING

Between
Kentucky Community and Technical College System
Associate in Applied Science Degree in Construction Technology

And
Northern Kentucky University
Associate in Applied Science Degree in Construction Technology
and
Bachelor of Science Degree in Construction Management

PURPOSE:

In order to promote the transfer of credits between KCTCS and NKU and thereby increase educational opportunities for students, NKU and KCTCS establish this transfer agreement for courses in the KCTCS Associate in Applied Science degree in Construction Technology leading to credit in the NKU Associate in Applied Science degree in Construction Technology, and the NKU Bachelor of Science degree in Construction Management.

ACCREDITATION STATUS:

Northern Kentucky University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, and master degrees. Both institutions will observe the Southern Association of Colleges and Schools and the Kentucky Council on Postsecondary Education guidelines and procedures and will adhere to the requirements of reporting information to these and other accrediting agencies.

CONDITIONS OF AGREEMENT:

Conditions of agreement for the transfer of credit and cooperation between KCTCS and NKU for the KCTCS Associate in Applied Science Degree in Construction Technology and the NKU Associate in Applied Science Degree in Construction Technology and the Bachelor of Science Degree in Construction Management are as identified in this Memorandum of Understanding and any attachments or addenda of this Memorandum of Understanding.

This agreement includes general education as well as courses applicable to the major. This agreement recognizes that transfer of credit across programs is possible even when there are differences in program emphasis. With its management emphasis the NKU curriculum includes a broad-based approach to construction management, while the KCTCS Construction Technology curriculum provides more in-depth instruction in building construction. Accordingly, this variation in program emphasis is recognized by including only those courses which are comparable across KCTCS and NKU curricula.

Admissions Practices

KCTCS Construction Technology students can transfer credits to NKU's Construction Technology Associate in Science degree program or the NKU Construction Management Baccalaureate degree program according to the following:

- obtaining a "C" or better in any course intended for transfer;
- obtaining a minimum overall average of 2.25 at a KCTCS college;
- being admitted to NKU with no deficiencies;
- matriculating into the NKU Construction Technology Associate in Science degree program or the NKU Construction Management Baccalaureate degree program.

Acceptance and Application of Credits

Northern Kentucky University will articulate credit for coursework consistent with university policy and as described in the “Non-traditional credit” section of the appropriate catalog and as consistent with the provisions of this agreement.

KCTCS A.A.S. Construction Technology (Construction Management Pathway)

to

NKU A.A.S. in CONSTRUCTION TECHNOLOGY (CST)

KCTCS A.A.S. Construction Technology – Construction Management Pathway	Credit Hrs Transferable to NKU	NKU A.A.S. in CONSTRUCTION TECHNOLOGY (CST)	Credit Hours
General Studies¹ <i>-Pick one course from each category - Refer to list outlined in A.S. to B.S. pathway below for additional course options</i>		General Studies	
ENG 101 Writing 1	3	ENG 101 Composition	3
COM 181 Basic Public Speaking or COM252 Intro to Interpersonal Comm or COM281 Communication in small group	3	SPE 101 Principles of Speech Communication	3
MT 125 Technical Algebra and Trig or MA 112 Trigonometry or MA 109 College Algebra	3	MAT 119 Pre-Calculus	3
PY 110 General Psychology or SOC 101 Intro to Sociology or ANT 160 Cultural Diversity in the Modern World or PS101 American Gov't SWK275 The Family or PSY223 Dev Psychology	3	Social/Behavioral	3
ENG 161 Intro to Literature or TA101 Intro to Theater	3	Humanities elective	3
PH 171 Applied Physics or PHY151 Intro to Physics with PHY 161(lab)	4	PHY110, Intro to Physics w/ lab	4
KCTCS General Studies Hours	19 Transfer	NKU General Studies Hours	19
Specialization Component²		Specialization Component	
CAR 126 Intro to Construction	3	CMGT 101 Intro to Construction	3
ACH 160 Building Materials or *CMGT 120 (offered at NKU)	3	CMGT 120 Construction Materials	3
CAR 190 Light Frame Construction I-Floors & Walls	3	CMGT 121 Construction Processes	3
BRX 220Blueprint Reading for Const	2	CMGT 122 Arch. Drafting & Design	2
CAR 140 Basic Construction Surveying & Foundations Systems	3	CMGT 220 Plane Surveying	3
CAD 100 Intro to CAD	2	CMGT 222 Architectural CAD 1	2
CAR 298 OR 299 Practicum or Coop	3	CMGT 301 Cooperative Education	3
*CMGT 303 (offered at NKU)	3	CMGT 303 Const. Spec &	3

		Estimating		
		CMGT 305 M/E/P Systems 1		3
		CMGT 306 M/E/P Systems 2		3
		CMGT 325 Construction Safety	3	3
ISX 100 Industrial Safety		CMGT 320 Construction Estimating	3	3
ACH 297 Estimating Techniques or *CMGT 320 (offered at NKU)				
CAR196 Light Frame Construction II-Ceilings and Roofs		CMGT Technical Elective	3	3
CAR 200 Light Frame Construction III-Exterior and Interior Finish		CMGT Technical Elective	3	3
		CMGT Technical Elective		3
		IET 305 Human Rel. in Bus & Ind.		3
		<i>NKU Specialization Hours</i>	34	48
		NKU TOTAL HOURS FOR AAS IN CONSTRUCTION TECHNOLOGY	53	67
			Total Transferable Hrs	

¹KCTCS general studies listed above satisfy NKU general studies component for the A.A.S. in Construction Technology.

²The KCTCS A.A.S. in Construction Technology specialization component requires the completion of 10 technical elective credit hours. The courses listed in this agreement are preferred electives for completing the specialization component of the KCTCS A.A.S. program for students who intend to transfer to the NKU A.A.S. and/or B.S. programs; however, these are not the only electives available for completion of the specialization component of this KCTCS A.A.S. program. The preferred electives included here are specifically designated to transfer to NKU under the terms of this agreement. There are other KCTCS specialization component electives that are not included on this list and that may satisfy the requirements of this KCTCS A.A.S., but may not necessarily transfer to NKU.

*This course can be used to help fulfill the requirements for KCTCS A.A.S. specialization component electives and will serve as 3 of 10 technical elective credit hours. This course is offered at NKU and is part of the NKU A.A.S. in Construction Technology and the NKU B.S. in Construction Management.

KCTCS A.A.S. Construction Technology – (Construction Management Pathway)
to
NKU B.S. in CONSTRUCTION MANAGEMENT (CMGT)

KCTCS A.A.S. Construction Technology – Construction Management Pathway Courses	Other KCTCS Equivalent Courses <i>Additional KCTCS courses which may be taken and transferred to NKU</i>	Credit Hours Transfer-able to NKU	NKU CMGT B.S. in CONSTRUCTION MANAGEMENT	Credit Hours
			CMGT CORE (REQUIRED)	52
CAR 126 Intro to Construction		3	CMGT 101 Intro to Construction	3
ACH 160 Building Materials & Construction I or *CMGT 120 (offered at NKU)		3	CMGT 120 Construction Materials	3
CAR 190 Light Frame Construction I- Floors and Walls	ACH 161 Building Mat'ls & Construction II	3	CMGT 121 Construction Processes	3
BRX 220 Blueprint Reading for Const	DFT 102 Drafting Fundamentals, DFT 112 Engineering Graphics, CET 150 Civil Engineer Graphics	2	CMGT 122 Arch. Drafting & Design	2
CAR 140 Basic Construction Surveying and Foundations Systems CAD 100 Intro to CAD		3	CMGT 220 Plane Surveying	3
CAR 298 OR 299 Practicum or Coop *CMGT 303 (offered at NKU)	DFT 122 Intro to Computer Aided Drafting ACR 299 Coop, COE 199 Coop, DFT 298	2-3	CMGT 222 Architectural CAD 1 CMGT 301 Cooperative Education	2 6
		3	CMGT 303 Const. Spec & Estimating	3
			CMGT 305 M/E/P Systems 1	3
			CMGT 306 M/E/P Systems 2	3
ACH 297 Estimating Techniques or *CMGT 320 (offered at NKU)		3	CMGT 320 Construction Estimating	3
	ACH 225 Structures	3	CMGT 322 Structural Design	3
	ACH 291 Construction Management	3	CMGT 323 Land Planning & Dev CMGT 324 Construction Scheduling	3 3
ISX 100 Industrial Safety		3	CMGT 325 Construction Safety	3
			CMGT 415 Construction Management	3
			CMGT 429 Civil Design	3

					CAPSTONE ELECTIVE	3
CAR 196 Light Frame Construction II- Ceilings and Roofs			3		CMGT 424 Const. Renovation & Restoration	3
CAR 200 Light Frame Construction III- Exterior and Interior Finish			3		CMGT 431 Capstone-Residential & Community	3
					TECHNICAL ELECTIVE	9
					CMGT328 Soil Tech & Found Design	3
					CMGT400 Building Codes	3
					CMGT 426 Heavy Construction	3
					CMGT 427 Const. Law & Legal Contr.	3
					CMGT 430 Design Build	3
					CMGT 494 Seminar in Const. Mgmt	3
					IET 316 Materials Processing & Fab	3
					BUS. & MGMT (12 Hrs.)	
					IET305 Human Rel in Bus. & Ind.	3
					IET 308 Leadership in a Quality Env.	3
					IET 315 Personnel Management	3
**BA 274 Human Resource Mgmt			3			
					IET 395 Total Quality Teamwork	3
					LAS300 Contr. Admin. & Disp. Set	3
					ENTP150 Overview of Accounting	3
**BA 207 Intro to Business Law, **BA 267 Intro to Business Law					BUS 230 Legal Environment	3
**BA 283 Principles of Management, **BA160 Intro to Business,			3		MGT 205 Intro to Bus. & Mgmt.	3
					MKT 305 Principles of Marketing	3
					GENERAL STUDIES	
					WRITTEN/ORAL COMMUNICATIONS (9)	
					<i>a. Written: one of the following options:</i>	
ENG 101 Writing I					ENG 101 Composition	3
					ENG 291 Advanced Writing OR	3
					A writing intensive course outside English	3

One of the following: COM 181 Basic Public Speaking, or COM 252 Intro to Interpersonal Comm	COM 101 Intro to Communication, SP181 Basic Public Speaking	3	b. Oral: one of the following options: SPE 101 Principles of Speech Communication	3
			Speech Competency Test	3
			MATHEMATICS & SCIENCES (14)	
			<i>a. Mathematics</i>	
MT 125 Technical Algebra and Trigonometry	MA 109College Algebra, MA 112 Trigonometry	3	MAT 119 Pre-Calculus	3
			<i>Must choose one of the following:</i>	
	MA 123 Elem Calc & Its Applications, MAH144 Calc for Tech Students	3	MAT 112 Calc. for Bus. Applications	3
	MA 113 Calculus I (NOTE: this is a 4 credit hour course, but only 3 credit hours transfer in NKU's equivalency)	3	MAT 121 Calculus 1A	3
	STA 291 Statistical Method	3	STA 205 Intro to Statistical Methods	3

**The course prefix for business courses offered at KCTC changed in the Fall of 2003 to BA from BE. Business courses of the same course number and course title with either the BA or BE course prefix will be accepted for transfer and covered by the terms of this agreement.

PH 171 Applied Physics or PHY151 Intro to Physics and PHY 161(lab)		4		<i>b. Sciences</i> PHY 110 Intro to Physics w/ Lab	4
	GLY 101 Physical Geology and GLY111 Lab	4		GLY 110 Face of the earth w/ Lab	4
	HIS104 HIS-Eur-17 th Century, HIS105 His Eur-1713-now, HIS108 His of US thru 1865, HIS109 His of US, HIS260 Afro-American His to 1865,HIS101 World Civilization, HIS102 World Civ II, PHI260 His of Philosophy, PHI270 His of Philosophy II	3		HUMANITIES (15-17) a. History	3
ENG 161 Intro to Literature	ENG 161 Intro to Literature, ENG 202 Lit Inter Adv Coll PTOJ, ENG 230 Intro to Lit, ENG231 Literature of KY, ENG 221 Survey of Eng I, ENG222 Survey of Eng Lit II, ENG 261 Western Lit:Greek-Ren, ENG262 Sur West Lit:1660-Pres, ENG251 Survey of Ameri Lit, ENG252 Survey in Americ Lit, ENG281 Intro to Film, ENG270 Old Testament as Lit	3		b. Literature	3
	ART 100 Intro to Art, A-H105 Ancient-Medieval Art, AH106 Renaiss thru Modern Art, HUM212 Renaissance Art His, HUM 213 Modern Art His, MUS100 Intro to Music,MUS200 Intro to Music, MUS222 His & Social Rock Music, MUS203 His of Music, TA101 Intro to Theatre, TA 121 Intro to Theatre	3		c. Fine Arts	3
	FR101Elem French I, FRE102 Elem French II,FRE 201,202 Intermediate French GER 101	8		d. Choose one of the two options below: Foreign Language (2 course seq.) OR	8

to Soc, ANT 160 Cultural Diversity in the Modern World, PS 101 American Gov't, PSY 223 Developmental Psychology	ECO 202 Economics II (Macro)	3	c. Social/Behavioral (ECO 201 rec.) DIVERSITY (6)	3
			<i>Complete one course in each group.</i>	
			a. Race/Gender	3
			b. Non-Western	3

Responsibility of Northern Kentucky University

To maximize students' ability to benefit from this agreement, NKU encourages students' completion of the KCTCS Associated of Applied Science in Construction Technology.

NKU agrees to provide informational materials to KCTCS advisors to facilitate their understanding of NKU's Associated of Applied Science in Construction Technology and Bachelor of Science program in Construction Management upon request.

NKU agrees to designate an individual to serve as a liaison for the purposes of monitoring this agreement, building the relationship, and answering any questions of KCTCS students, faculty, and staff.

NKU agrees to promote this agreement through institutional print material, web sites, and mailings designed specifically for transfer students, and in a quality consistent with promotion of other academic programs and opportunities for potential NKU students.

Responsibility of KCTCS

KCTCS will allow designated NKU personnel access to KCTCS campuses for the purposes of recruitment at times and events that are deemed appropriate by KCTCS colleges.

KCTCS will provide NKU with access to the updated Course academic catalog upon request.

KCTCS will provide NKU with mailing lists of KCTCS students nearing graduation as well as graduated students to the extent permitted by law.

KCTCS agrees to designate an individual to serve as a liaison for the purposes of monitoring this agreement, building the relationship, and answering any questions of KCTCS students, faculty, and staff.

KCTCS will promote this agreement as appropriate in print material, web sites, and mailings for students in a quality consistent with the promotion of other academic programs and opportunities for KCTCS students.

Joint Responsibility

KCTCS and NKU will design a cooperative process for student information and advising to ease student transfer.

Both KCTCS and NKU will observe the Southern Association of Colleges and Schools and the Kentucky Council on Postsecondary Education guidelines and procedures and will adhere to the requirements of reporting information to these and other accrediting agencies.

Implementation of the Agreement

This agreement will be considered in force when signed when signed by both parties.

Annual evaluation

This agreement will be reviewed by both institutions annually. Should the requirements for graduation for the Bachelor of Science in Construction Management at NKU or the Associate in Applied Science Degree in Construction Technology at KCTCS or NKU change, these changes shall be communicated to the appropriate program and institution and the conditions of this agreement will be reviewed.

KCTCS and NKU agree to monitor and support the provisions of this agreement to ensure consistency and program quality and transferability for mutual benefit for the students.

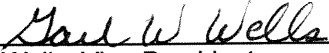
Term and Modification

This agreement can be terminated with written notification at least one year prior to the termination. Special arrangements will be made to allow students already enrolled to complete the program in a timely manner.

SIGNATURES

We the undersigned parties agree to the terms of this articulation agreement.

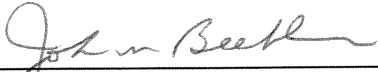
Northern Kentucky University



(Dr. Gail Wells, Vice-President
for Academic Affairs and Provost)

11/6/07

Date



John M. Beehler, Ph.D., CPA
Associate Provost for Economic Initiatives
Dean, College of Business
Business)

10-17-07

Date



(Dr. Sean Foley, Chair,
Department of Construction Management)

10-8-07

Date

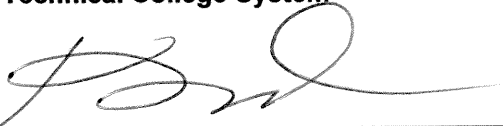


(Dr. Ed Workman, Tech Prep Director,
Department of Construction Management)

10-8-07

Date

**Kentucky Community
& Technical College System**



(Dr. Keith Bird, Chancellor)

11/20/07

Date

For information concerning this agreement contact Claude Gross at KCTCS, or Ed Workman
<workman@nku.edu> at NKU.