



# **KANSAS CORE OUTCOMES GROUPS**

**2015 ANNUAL REPORT**

**September 18, 2015**

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Please contact Karla Wiscombe, Transfer Coordinator for the Kansas Board of Regents, with questions or suggestions regarding this report at 785-296-1487, or [kwiscombe@ksbor.org](mailto:kwiscombe@ksbor.org).

Institutional abbreviations used throughout the report:

CC=Community College

TC=Technical College

U=University

## **BACKGROUND**

The Kansas Core Outcomes Project was initiated in 1999 by the Kansas Council of Instructional Administrators (KCIA), a group comprised of the chief academic officers of the state's community colleges and vocational-technical schools/colleges. The goal of this project was to develop core outcomes and competencies for general education courses at the state's colleges and universities.

In June of 2012, the Kansas Board of Regents authorized the Transfer and Articulation Council (TAAC) as the body responsible for creating structures and processes that facilitate student transfer and degree completion within Kansas higher education. TAAC utilized the structure of the faculty led KCOGs to create additional discipline groups and facilitate annual meetings for the purpose of articulating common core outcomes for system wide transfer.

The following reports indicate the results of the 2015 meeting and work completed afterward by the discipline groups.

## 2015 ANNUAL MEETING SUMMARY

**Disciplines from the following areas reviewed the listed courses:**

Discipline	Course Reviewed	KCOG Chair
Biology	Biology I	Maria Martino, WSU
Business/Finance	Personal Finance	Nicci Denny, Allen CC
Chemistry	Chemistry for Non-Majors with Lab	Michelle Clark, JCCC
Communication/Journalism	Mass Communications	Steve Smethers, KSU
Criminal Justice	Criminal Justice	Ryan Alexander, Washburn
Geology	Physical Geology	Jon Marshall, Allen CC
Health/Human Performance	Personal and Community Health	Brett Gilcrest, Independence CC
Mathematics	Elementary Statistics	Paul Walcher, Neosho County CC
Physics	Engineering Physics I	Gavin Buffington, FHSU
Physics	Engineering Physics II	Gavin Buffington, FHSU
Sociology/Social Work	Introduction to Social Work	Alice Lieberman, KU

**TRANSFER AND ARTICULATION COUNCIL  
MEMBERS FOR 2015-16**

Andy Anderson	Johnson County Community College
Lisa Beck	University of Kansas
Louise Benjamin	Kansas State University
Peter Chung	Pittsburg State University
Chris Culbertson	Kansas State University
Shelly Gehrke	Emporia State University
Linnea Glenmayer	Wichita State University
Bobbie Haviland	Allen County Community College
Brian Inbody	Neosho County Community College
Joey Linn	Fort Hays State University
Steve Loewen	Flint Hills Technical College
Bruce Mactavish	Washburn University
Jon Marshall	Allen Community College
Christina Long	Hutchinson Community College
Melinda Roelfs	Pittsburg State University
Sara Rosen	University of Kansas
David Smith	Independence Community College
Phil Speary	Butler Community College
Jacee Tice	North Central Technical College
Mike Vitale	Kansas City Kansas Community College

**INSTITUTIONS AND NUMBER OF FACULTY PARTICIPATING  
Registered Prior to the Meeting**

Allen County Community College	11
Barton County Community College	12
Butler County Community College	17
Cloud County Community College	12
Coffeyville Community College	8
Colby Community College	9
Cowley County Community College	7
Dodge City Community College	7
Fort Scott Community College	7
Garden City Community College	4
Highland Community College	8
Hutchinson Community College	9
Independence Community College	9
Johnson County Community College	16
Kansas City Kansas Community College	11
Labette County Community College	6
Neosho County Community College	9
Pratt Community College	2
Seward County Community College	6
Flint Hills Technical College	2
Manhattan Area Technical College	2
North Central Kansas Technical College	2
Wichita Area Technical College	9
Army University	2
Emporia State University	9
Fort Hays State University	11
Kansas State University	12
Pittsburg State University	13
University of Kansas	15
Wichita State University	10
Washburn University	7
<hr/>	
TOTAL	265

# REPORTS

**Discipline: Biology**

**Kansas Regents System Number (KRSN) and Title: BIO 1020/BIO 1021/Bio 1022, Biology I for Majors with Lab/Biology I for Majors/ Biology I Lab for Majors**

**Chair/Facilitator(s): Maria Martino, WSU**

**Transfer and Articulation Council Liaisons: Brian Inbody, Neosho County CC, and Mike Vitale, KCKCC**

**Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

<b>Institution</b>	<b>Course Number and Title</b>	<b>Cr. Hrs.</b>	<b>Institution Appointed Voting Faculty Member</b>	<b>Present Y or N</b>	<b>Vote Y or N</b>
Allen County CC	BIO 150 Biology I	5	Travis Robb, robb@allencc.edu	Y	Y
Barton County CC	LIFE 1402 Principles of Biology	5	Adrian Walker, WalkerA@Bartonccc.edu	Y	Y
Butler CC	BI 120 Majors Biology I (Animal)	5	Susan Forrest, sforrest@butlercc.edu	Y	Y
Cloud County CC	SC110 Principles of Biology	5	Cathy Troup	Y	Y
Coffeyville CC	BIOL 206 Biology I: Cell and Molecular Biology	5	Pam Oliver, pamo@coffeyville.edu	Y	Y
Colby CC	BI 177 Principles of Biology with Lab	5	Heidi Bulfer, Heidi.bulfer@colbycc.edu	Y	Y
Cowley County CC	BIO 4125 General Biology I	5	Tiffany Corley, corleyt@cowley.edu	Y	Y
Dodge City CC	BIO 111 Cellular Biology & Genetics	5	Scott Thompson, sthompson@dc3.edu	Y	Y
Fort Scott CC	BIO 1225 Principles of Biology I	5	Tracy Springer, tracys@fortscott.edu	Y	Y
Garden City CC	BIOL 105 Principles of Biology	5	Art Nonhof, Art.Nonhof@gcccks.edu	Y	Y
Highland CC	BS101 College Biology	5	Frank Kuhn, fkuhn@highlandcc.edu	Y	Y
Hutchinson CC	BI 104 Biology I	5	Tricia Paramore, paramoret@hutchcc.edu	Y	Y
Independence CC	Bio 1115 Biology I: Principles of Cellular and Molecular Biology	5	Archana Lal alal@indycc.edu	Y	Y
Johnson County CC	BIOL 135 Principles of Cell and Molecular Biology	4	Paul Decelles	Y	Y
Kansas City KCC	Biol 0135 Principles of Cell and Molecular Biology	4	Elisabeth Kasckow, ekasckow@kckcc	Y	Y
Labette CC			Bharathi Sudarsanam, bharathis@labette.edu	N	
Neosho County CC	BIOL 251 & BIOL 252 Biology I & Biology I Lab	3 & 2	Andrew Ouellette	Y	Y
Pratt CC				N	
Seward County CC	BI 1305 Principles of Biology	5	Greg Gardner, greg.gardner@sccc.edu	Y	Y
Flint Hills TC				N	

Institution	Course Number and Title	Cr. Hrs.	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Manhattan Area TC				N	
North Central KTC				N	
Northwest KTC				N	
Salina Area TC				N	
Wichita Area TC	BIO 110 Principles of Biology	5	Jennifer Vigil, jvigil@watc.edu	Y	Y
Emporia St. U.	GB 140 & 141 Principles of Biology & Principles of Biology Lab	3 & 1	John Richard Schrock jschrack@emporia.edu	Y	Y
Fort Hays St. U.	BIOL 180 Principles of Biology	4	Brian Maricle brmaricle@fhsu.edu	Y	Y
Kansas St. U.	BIOL 198 Principles of Biology	4	Dave Rintoul drintoul@ksu.edu	Y	Y
Pittsburg St. U.	BIOL 211 Principles of Biology I	4	Phil Harries, pharries@pittstate.edu	Y	Y
U. Of Kansas	Biol 150 Principles of Cell and Molecular Biology	4	Greg Burg, gburg@ku.edu	Y	Y
Washburn U.	BI 102 General Cellular Biology	5	John Mullican, john.mullican@washburn.edu	Y	Y
Wichita St. U.	Biol 210 General Biology I	4	Jennifer Ellie, Jennifer.ellie@wichita.edu	Y	Y
			TOTALS	25 (Y)	25 (Y)

\*indicates voting member when more than one name is listed.

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes:** 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.

Upon completion of this course, students will be able to:

Biology I for Majors Core Outcomes

Upon completion of the above listed course, students will have a command of the following:

- 1) Demonstrate an understanding of the nature of science
  - a. Scientific processes
  - b. Scientific methods
- 2) Demonstrate an understanding of the levels of organization and emergent properties of life
  - a. Basic biological chemistry
  - b. Structure and function of biological molecules
  - c. Cellular structure and functions
- 3) Demonstrate an understanding of bioenergetics
  - a. Enzyme activity
  - b. Cellular respiration
  - c. Photosynthesis
- 4) Demonstrate an understanding of cellular reproduction
  - a. Binary fission
  - b. Mitosis



- c. Meiosis
- 5) Identify the basic principles of Mendelian and molecular genetics, and relate these to the basic principles of Natural Selection and evolution.
  - a. Classical genetics
  - b. Molecular genetics
    - i. DNA replication
    - ii. Gene expression and regulation
- 6) Design and perform experiments in a laboratory setting.
  - a. Microscopy
  - b. Quantitative measurement skills incorporating the metric system
  - c. Analytical and statistical skills including presenting and/or interpreting graphs and tables
  - d. Experience with living organisms in the laboratory

**Next Recommended Course for Articulation: Biology II for Majors**

**Chair for Next Meeting: Andrew Ouellette (Neosha County CC)**

**Next Meeting Date (year): 2016**

**Discipline: Business/Finance****Kansas Regents System Number (KRSN) and Title: BUS 1010 , Personal Finance****Chair/Facilitator(s): Nicci Denny, Allen CC****Transfer and Articulation Council Liaisons: Bobbie Haviland, Allen CC, and Lisa Beck, KU****Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

<b>Institution</b>	<b>Course Number and Title</b>	<b>Cr. Hrs</b>	<b>Institution Appointed Voting Faculty Member</b>	<b>Present Y or N</b>	<b>Vote Y or N</b>
Allen County CC	BUS125 PERSONAL FINANCE	3	Nicci Denny, denny@allenc.edu	Y	Y
Barton County CC	ECON1615 PERSONAL FINANCE	3	Kathy Boeger, BoegerK@Bartonccc.edu	Y	Y
Butler CC	BA112 PERSONAL FINANCE	3	Janice Akao	Y	Y
Cloud County CC	BE153 PERSONAL FINANCE	3	Susan Greene, <a href="mailto:sgreene@cloud.edu">sgreene@cloud.edu</a>	Y	Y
Coffeyville CC	BUSN119 PERSONAL FINANCE	3	Carolyn Nelson, carolynn@coffeyville.edu	Y	Y
Colby CC			Brad Bennett, brad.bennett@colbycc.edu	N	
Cowley County CC	BUS1315 Personal Finance	3	sarah.mathews@cowley.edu	N	
Dodge City CC			Paul Young, <a href="mailto:dkdk@dc3.edu">dkdk@dc3.edu</a>	N	
Fort Scott CC			Debra Cummings, debrac@fortscott.edu	Y	Y
Garden City CC			Chip Marcy, charlesmarcy@gcccks.edu	N	
Highland CC	BUS102 PERSONAL FINANCE		Peggy Forsberg,	Y	Y
Hutchinson CC	BU107 PERSONAL FINANCE	3	Leslie Thompson, thompsonl@hutchcc.edu	Y	
Independence CC	PERSONAL FINANCE	3	John Eubanks	Y	Y
Johnson County CC	BUS123 PERSONAL FINANCE	3	Megan Noel, mnoel1@jccc.edu	Y	Y
Kansas City KCC	BUSN0105 PERSONAL FINANCE		Kris Ball	Y	Y
Labette CC	FINA129 INTRO TO FINANCIAL PLANNING	3	Robert Bartelli, robertb@labette.edu	Y	Y
Neosho County CC			RICHARD WEBER	Y	Y
Pratt CC	BUS176 PERSONAL FINANCE	3	Junnae Landry, junnael@prattcc.edu	Y	Y
Seward County CC	BA1183 PERSONAL FINANCE	3	Kim Zant, kim.zant@sccc.edu	Y	Y
Flint Hills TC				N	
Manhattan Area TC			J.J. Brotton, jollynestalnaker@manhattantech.edu	Y	
North Central KTC	FOUNDATIONS OF PERSONAL FINANCE	3	Dean Franzen,/Kathy Satomi dfranzen@ncktc.edu	Y	Y
Northwest KTC				N	
Salina Area TC				N	
Wichita Area TC			Todd Kelley, tkelley@watc.edu	Y	Y

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Emporia St. U.	BU241 PERSONAL FINANCE	3	Shawn Keough	Y	Y
Fort Hays St. U.				N	
Kansas St. U.	PFP105 INTRO PERONAL AND FAMILY FINANCE	3	Maurice MacDonald, morey@ksu.edu	Y	Y
Pittsburg St. U.			Duane Whitbeck, dwhitbeck@pittstate.edu	N	
U. Of Kansas			Bill Lewis, wlewis@ku.edu	Y	Y
Washburn U.			Russ Smith, russ.smith@washburn.edu	N	
Wichita St. U.				N	
			TOTALS	21 (Y)	19 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes:** 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.

Upon completion of this course, students will be able to:

1. Explain personal financial planning, financial statements, time value of money, and budgets
2. Explain the benefits and potential costs of consumer credit
3. Evaluate housing needs, large purchases, and financing alternatives
4. Identify fundamental tax strategies
5. Identify how insurance is used to manage risk
6. Compare Investment and retirement planning alternatives and strategies
7. Explain the estate planning process

**Next Recommended Course for Articulation: Consider Accounting or Intro to Business**

**Chair for Next Meeting: Bill Lewis**

**Next Meeting Date (year): 9/23/2016 - Washburn**

**Discipline: Chemistry**

**Kansas Regents System Number (KRSN) and Title: CHM 1030/CHM 1031/CHM 1032, General Chemistry for non-majors with lab/General Chemistry for non-majors/General Chemistry Lab for non-majors**

**Chair/Facilitator(s): Michelle Clark, JCCC**

**Transfer and Articulation Council Liaison: Chris Culbertson, KSU, and Phil Speary, Butler CC**

**Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Allen County CC	CHE105 – Introduction to Chemistry	5	Todd Francis	Y	Y
Barton County CC	CHEM 1802 Fundamentals of General Chemistry	5	Amanda Alliband	Y	Y
Butler CC	CH105 Basic CHEM CH106 Intro to CHEM GOB	5 5	Robert Carlson	Y	Y
Cloud County CC	SC130 – General Chemistry	5	John Austin	Y	Y
Coffeyville CC	CHEM 101 – Fundamentals of Chemistry	5	Amy Lumley	Y	Y
Colby CC	CH176 – Fundamentals of Chemistry	5	Jason Tew	Y	Y
Cowley County CC	CHM 4211 General Chemistry	5	Chad Killblane	Y	Y
Dodge City CC	CHEM 100 – General Chemistry with lab	5	Elizabeth Wallace	Y	Y
Flint Hills TC					
Fort Scott CC	CHEM1095 – Basic Chemistry	5	Robert Doyle	Y	Y
Garden City CC	CHEM105-General Chemistry	5	Jennifer Crawford	Y	Y
Highland CC	PS107-General Chemistry	5	Stephen Wuerz	Y	Y
Hutchinson CC	CH101 and CH101L-General Chemistry	5	Charles Buller	Y	Y
Independence CC	PHS1015-General Chemistry	5	Blain Mamiya	Y	Y
Johnson County CC	CHEM120-Chemistry in Society	4	Michelle Clark	Y	Y
Kansas City KCC	CHEM 109-General Chemistry	5	Mansoor Ansari	Y	Y
Labette CC	CHEM 120-Introduction to Chemistry	5		N	Y
Manhattan Area TC					
Neosho County CC	CHEM 105-Introduction to Chemistry CHEM106-Intro to Chem Lab	3 2	Luka Kapkiai	Y	Y
North Central KTC					
Northwest KTC	SCI176-Fund. Of Chem. with Lab	5		N	Y
Pratt CC	CHM176-Fundamentals of Chem.	5		N	Y
Salina Area TC					
Seward County CC					
Wichita Area TC	CHEM110 – General Chemistry	5	Linda Grossman	Y	Y
Emporia St. U.	CH110-Chemistry for Today's World CH111-Chem. for Today's World Lab	4 1	Christine Morales	Y	Y
Fort Hays St. U.	CHEM100-Chemist's View of World CHEM105-Intro to Chem Lab	3 1	James Hohman	Y	Y
Kansas St. U.	CHM110-General Chemistry	3	Chris Culbertson	Y	Y

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
	CHM111-General Chemistry Lab	2			
Pittsburg St. U.	CHEM105-Introduction to Chem. CHEM106-Intro to Chem. Lab	3 1	Kristopher Mijares	Y	Y
U. Of Kansas	Not offered		David Benson	Y	Y
Washburn U.	Not Offered			N	Y
Wichita St. U.	CHEM103-Introductory Chemistry	5	Doug English	Y	Y
			TOTALS	23 (Y)	27 (Y)

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**Core Student Learning Outcomes: 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.**

Upon completion of this course, students will be able to:

Learning Outcomes for a One Semester Non-Majors Course in Chemistry

1. Explain the chemical context of topics as they relate to the natural sciences and society.
2. Demonstrate knowledge of atoms, the periodic table, molecular structure and bonding.
3. Recognize differences between phases of matter.
4. Identify and analyze different types of chemical reactions, including energetics and stoichiometry.
5. Solve problems involving solutions and gases.
6. Record quantitative and qualitative data accurately. Critically analyze data and chemical information from various sources responsibly and accurately.
7. Apply knowledge of good laboratory practices.

Notes:

For this meeting, there was much discussion about the distinction between General Chemistry for Non-Majors with a lab versus Allied Health Chemistry (General, Organic, and Biochemistry or GOB) with a lab. After a survey of all representatives present, it was determined that only nine institutions offer an Allied Health Chemistry (GOB) with a lab. Additionally, there is quite a bit of variation among the nine institutions that offer Allied Health Chemistry (GOB). Some institutions offer the Allied Health Chemistry (GOB) course over one semester, while others offer it as a two semester course.

At this point, we elected only to articulate General Chemistry for Non Majors with a lab and chose not to articulate an Allied Health Chemistry (GOB) course. The course outcomes that were generated in 2014 (above) were still acceptable to everyone present.

A. The 5 hour courses have a lab integrated with them. They will transfer as equivalent to both the lecture and lab course at institutions where the lecture and lab are split into 2 separate courses.

B. For institutions that separate the lectures and labs into 2 different courses, the lectures and labs will transfer one for one (i.e. if a student only takes the lecture then only the lecture course will transfer to another institution where the lecture is separated from the lab, (e.g CHM110 KSU, CHEM 100 at FHSU, CHEM 105 Neosho, CHM176 Pratt, CH120 Emporia, and CHEM105 PSU are equivalent.)

C. The 3Yhr lecture classes will not transfer as equivalent to the 5 hr courses with integrated labs. Both the 3 hr lecture and lab course together will transfer as equivalent to the 5 hour courses.

**Recommended Course for Articulation at 2016 Kansas Core Outcomes Project Meeting:**

- Organic Chemistry I and II

**Chair for 2016 Meeting: David Benson – University of Kansas ([drb@ku.edu](mailto:drb@ku.edu))**

**Next Meeting Date (year): 2016**

**Discipline: Mass Communication/Journalism**

**Kansas Regents System Number (KRSN) and Title: COM 1030 , Introduction to Mass Communications**

**Chair/Facilitator(s): Steve Smethers, KSU**

**Transfer and Articulation Council Liaison: Shelly Gehrke, ESU, and Louise Benjamin, KSU**

**Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

<b>Institution</b>	<b>Course Number and Title</b>	<b>Cr. Hrs</b>	<b>Institution Appointed Voting Faculty Member</b>	<b>Present Y or N</b>	<b>Vote Y or N</b>
Allen County CC	COM 201 Mass Communication in Society	3	Terri Piazza	Y	Y
Barton County CC	JOUR 700 Intro to Mass Media	3	Peter Solie	Y	Y
Butler CC	MC 161 Intro to Mass Communication	3	Michael Swan	Y	Y
Cloud County CC	JOUR 100 Mass Media in Society	3	Tasha Riggins	Y	Y
Coffeyville CC	COMM 121 Intro to Mass Communication	3	J. Rocky Restivo	Y	Y
Colby CC	Not offered at this time		Doug Johnson	Y	Y
Cowley County CC	MCM 2411 Mass Media & Society	3	Meg Smith	Y	Y
Dodge City CC	Not offered at this time		John Ewy	Y	Y
Flint Hills TC	Not offered				
Fort Scott CC	Not offered				
Garden City CC	JRNL 110 Media in a Free Society	3	Laura Guy	Y	Y
Highland CC	Not offered				
Hutchinson CC	JL 101 Intro to Mass Communication	3	Alan Montgomery	Y	Y
Independence CC	Not offered				
Johnson County CC	JOUR 120 Mass Media & Society	3	Gretchen Thum	Y	Y
Kansas City KCC	JOUR 175 Intro to Mass Media	3	Brian Whitehead	Y	Y
Labette CC	COMM 106 Intro to Mass Media	3	Tom Duran	Y	Y
Manhattan Area TC	Not offered				
Neosho County CC	Not offered at this time		Nancy E. Hindle	Y	Y
North Central KTC	Not offered				
Northwest KTC	Not offered				
Pratt CC	Not offered				
Salina Area TC	Not offered				
Seward County CC	Not offered				
Wichita Area TC	Course development in process		Valli R. Bashor	Y	Y
Emporia St. U.	JO 200 Mass Communications	3	Kevin Rabas	Y	Y
Fort Hays St. U.	COMM 128 Media & Society	3	Hsin-Yen Yang	Y	Y
Kansas St. U.	MC 110 Mass Comm in Society	3	Steven Smethers	Y	Y
Pittsburg St. U.	Comm 200 Intro to Mass Communication	3	Trent Kling	Y	Y
U. Of Kansas	JOUR 101 Media & Society	3	Tom Volek	Y	Y
Washburn U.	MM 100 Intro to Mass Media	3	Kathy Menzic	Y	Y
Wichita St. U.	COMM 130 Communication and Society	3	Eric Wilson	Y	Y
			TOTALS	22 (Y)	22 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes: 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.**

Upon completion of this course, students will be able to:

Media Literacy:

- Demonstrate the ability to access, analyze, and evaluate information in a variety of media

Impact of Media on Society:

- Demonstrate an understanding of the diversity of peoples and cultures and of the significance and impact of mass communications in a global society

History of Media:

- Demonstrate an understanding of the history and current state of mass communications

Social Responsibility:

- Identify social, ethical, and legal issues in the media

**Next Recommended Course for Articulation:**

If offered at enough institutions, the next class should be the first course in writing for the media.

**Chair for Next Meeting:**

Steve Smethers, Kansas State University, was selected to chair the next meeting, if one is needed.

**Next Meeting Date (year):**

September 23, 2016

**Discipline: Criminal Justice****Kansas Regents System Number (KRSN) and Title: CRJ 1010 , Introduction to Criminal Justice****Chair/Facilitator(s): Ryan Alexander, Washburn****Transfer and Articulation Council Liaison: Bruce Mactavish, Washburn, and Steve Loewen, FHTC****Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

<b>Institution</b>	<b>Course Number and Title</b>	<b>Cr. Hrs</b>	<b>Institution Appointed Voting Faculty Member</b>	<b>Present Y or N</b>	<b>Vote Y or N</b>
Allen County CC	CJS-100 Introduction to Criminal Justice	3	Lyle Kee	Y	Y
Barton County CC	CRIM 1600 Introduction to Criminal Justice	3	Melissa Stevens	Y	Y
Butler CC	CJ 102 Intro to Criminal Justice	3	Miles Erpelding	Y	Y
Cloud County CC	AJ 100 Introduction to Criminal Justice	3	Kristina Frost	Y	Y
Coffeyville CC	SOCI-124 Introduction to Criminal Justice	3	Ryan McCune	Y	Y
Colby CC	CJ-110 Introduction to Criminal Justice	3	Michael Thompson	Y	Y
Cowley County CC	CRJ5411 Introduction to Criminal Justice	3	Frank Owens	Y	Y
Dodge City CC	CJC 101 Introduction to Criminal Justice	3		N	Y
Flint Hills TC	Not found			N	NA
Fort Scott CC	CRJ 1013 Intro. to Criminal Justice	3	Vanessa Poyier	Y	Y
Garden City CC	CRIM-101 Criminology	3		N	Y
Highland CC	CJ 100 Introduction To Criminal Justice	3	Eric Ketchum	Y	Y
Hutchinson CC	LE101 CJ 100 Introduction To Criminal Justice	3	Sheldon Stewart	Y	Y
Independence CC	Introduction to Criminal Justice (No Course #)	3	Mark Harris	Y	Y
Johnson County CC	ADMJ 121 Introduction to Administration of Justice	3	Kay King	Y	Y
Kansas City KCC	CRJS 101 Introduction to Criminal Justice	3	Donald Alsdurf	Y	Y
Labette CC	CRIM 101 (5551) Introduction to Administration of Justice	3		N	Y
Manhattan Area TC	Not found			N	NA
Neosho County CC	CRIM 121 Introduction to Criminal Justice	3	Kevin Blackwell	Y	Y
North Central KTC	Not found			N	NA
Northwest KTC	Not found			N	NA
Pratt CC	SOC123 Criminology	3		Y	Y
Salina Area TC	Not found			N	NA
Seward County CC	CJ1203 Introduction to Criminal Justice	3	Cristy Mulanax	Y	Y
Wichita Area TC	CRJ 101	3		N	Y



Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
	Introduction to Criminal Justice				
Emporia St. U.	SO 125 Introduction to Criminal Justice	3		N	Y
Fort Hays St. U.	JUS 101 Introduction to Criminal Justice	3	Darrell Hamlin	Y	Y
Kansas St. U.	Socio 361	3	Jeremy Briggs	Y	Y
Pittsburg St. U.	JUST-104 Introduction to the Justice System	3	Roy Janisch	Y	Y
U. Of Kansas	Not Found			N	NA
Washburn U.	Crime and Justice in America	3	Ryan Alexander	Y	Y
Wichita St. U.	CJ 191 Introduction to Criminal Justice	3	Kristen Brewer	Y	Y
			TOTALS	21 (Y)	26 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes: 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.**

Upon completion of this course, Introduction to Criminal Justice students will be able to:

1. Summarize the historical, theoretical, and philosophical developments in criminal justice.
2. Identify and discuss the steps in the criminal justice process.
3. Distinguish the goals and philosophies of the due process and the crime control models of criminal justice.
4. Identify the ethical responsibilities and constitutional duties of the criminal justice professional.
5. Summarize how law enforcement, courts, and corrections operate and interact.
6. Explain the importance of empirical data in criminal justice policy.

**Next Recommended Course for Articulation:**

1. **Criminal Law**
2. **Juvenile delinquency/ Juvenile Justice**

**Chair for Next Meeting: Ryan Alexander/ Washburn University**

**Next Meeting Date (year): 2017**

**Discipline: Geology****Kansas Regents System Number (KRSN) and Title: PSI 1030/PSI 1031/PSI 1032, Physical Geology with Lab/Physical Geology/ Physical Geology Lab****Chair/Facilitator(s): Jon Marshall, Allen CC****Transfer and Articulation Council Liaison: Jon Marshall, Allen CC, and Christina Long, Hutchinson CC****Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Allen County CC	PSC154 Physical Geology	5		N	Y
Barton County CC	PHSC1402 Introduction to Geology	3/5	Gerry Butler, <a href="mailto:ButlerG@Bartonccc.edu">ButlerG@Bartonccc.edu</a>	Y	Y
Butler CC	PS102 Physical Geology	4	Jonathan Penley, <a href="mailto:jpenley@butlercc.edu">jpenley@butlercc.edu</a>	Y	Y
Cloud County CC	SC104 Physical Geology	4	Dennis Smith, <a href="mailto:dsmith@cloud.edu">dsmith@cloud.edu</a>	Y	Y
Coffeyville CC	PHYS120 Physical Geology	5		N	Y
Colby CC	Not offered			N	Y
Cowley County CC	GEO4311 Geology	5	Ernie Morrison, <a href="mailto:morrisone@cowley.edu">morrisone@cowley.edu</a>	Y	Y
Dodge City CC	GEL101 Intro to Geology GELL102 Intro to Geology Lab	3/2	Sherry Curtis, <a href="mailto:scurtis@dc3.edu">scurtis@dc3.edu</a>	N	Y
Flint Hills TC	Not offered			N	Y
Fort Scott CC	Not offered			N	Y
Garden City CC	PHSC205 Physical Geology	5	Jennifer Crawford, <a href="mailto:jennifer.crawford@gcceks.edu">jennifer.crawford@gcceks.edu</a>	N	Y
Highland CC	PS104 Physical Geology	4	Linda Collins, <a href="mailto:lcollins@highlandcc.edu">lcollins@highlandcc.edu</a>	Y	Y
Hutchinson CC	PY103 Physical Geology PY104L Physical Geology Lab	3/1	Brian Bird, <a href="mailto:birdb@hutchcc.edu">birdb@hutchcc.edu</a>	Y	Y
Independence CC	PHS1105 Geology	5		N	Y
Johnson County CC	GEO5 General Geology	5	Lynne Beatty, <a href="mailto:lbeatty@jccc.edu">lbeatty@jccc.edu</a>	Y	Y
Kansas City KCC	NASC0186 Physical Geology and Lab	4		N	Y
Labette CC	PHSC101 Principles of Geology	5		N	Y
Manhattan Area TC				N	Y
Neosho County CC	Not offered			N	Y
North Central KTC	Not offered			N	Y
Northwest KTC				N	Y
Pratt CC	PSC175 Intro to Geology and Lab	4	Carol Bonham, <a href="mailto:carolb@prattcc.edu">carolb@prattcc.edu</a>	N	Y
Salina Area TC	Not offered			N	Y
Seward County CC	PS1775 Intro to Geology with Lab	5		N	Y
Wichita Area TC	Not offered		Kyle York, <a href="mailto:kyork@wac.edu">kyork@wac.edu</a>	Y	Y
Emporia St. U.	ES110 Intro to Earth Science ES111 Intro to Earth Science Lab	4/1	Michael Morales, <a href="mailto:mmorales@emporia.edu">mmorales@emporia.edu</a>	Y	Y
Fort Hays St. U.	GSCI200 Physical Geology	3/2		N	Y

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
	GSCI200L Physical Geology Lab				
Kansas St. U.	GEOL100 Earth in Action GEOL103 Geology Lab	3/1	Keith Miller, <a href="mailto:kbmiller@ksu.edu">kbmill@ksu.edu</a>	Y	Y
Pittsburg St. U.	PHYS160 Physical Geology PHYS165 Physical Geology Lab	3/1	Dr. Rebecca Butler, <a href="mailto:rbutler@pittstate.edu">rbutler@pittstate.edu</a>	Y	Y
U. Of Kansas	GEOL101 The Way the Earth Works GEOL103 Lab	3/1	Noah McLean, <a href="mailto:noahmc@ku.edu">noahmc@ku.edu</a>	y	y
Washburn U.	GL101 Physical Geology	3	Will Gilliland, <a href="mailto:will.gilliland@washburn.edu">will.gilliland@washburn.edu</a>	Y	Y
Wichita St. U.	GEOL111 General Geology	4	Bill Bischoff, <a href="mailto:bill.bischoff@wichita.edu">bill.bischoff@wichita.edu</a>	Y	Y
			TOTALS	14 (Y)	32 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes:** 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.

### Physical Geology

Upon completion of this course, students will be able to:

1. Explain the nature of scientific inquiry.
2. Identify and describe a range of Earth materials, including minerals, rocks, soils, and fossils.
3. Discuss basic geologic principles including Geologic Time and Plate Tectonics.
4. Interpret geologic features in terms of Earth system processes and cycles, including tectonic, water, and rock cycles.
5. Identify and evaluate the origin and nature of resources.

### Physical Geology Laboratory

Upon completion of this course, students will be able to:

1. Identify, classify, and differentiate geologic samples.
2. Read and interpret topographic and geologic maps.
3. Use appropriate tools to investigate and analyze geologic problems.

**Next Recommended Course for Articulation:** Consideration might be given to the following courses:

1. Environmental Science and Lab
2. Introduction to Meteorology and Lab

**Chair for Next Meeting:** open

**Next Meeting Date (year):** open

**Discipline: Health/Human Performance/Physical Education**

**Kansas Regents System Number (KRSN) and Title: HSC 1020 , Personal and Community Health**

**Chair/Facilitator(s): Brett Gilcrist, Independence CC**

**Transfer and Articulation Council Liaison: Peter Chung, PSU, and Jacee Tice, NCK Tech**

**Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

<b>Institution</b>	<b>Course Number and Title</b>	<b>Cr. Hrs</b>	<b>Institution Appointed Voting Faculty Member</b>	<b>Present Y or N</b>	<b>Vote Y or N</b>
Allen County CC	HPE105 Personal Hygiene and Community Health	3	Roger Campbell, <a href="mailto:campbell@allencc.edu">campbell@allencc.edu</a>	Y	Y
Barton County CC	HLTH 1248-Personal & Community Health	3	Not present	N	
Butler CC	FW220- Healthy Living	3	Rick Neubauer, <a href="mailto:rneubaue@butlercc.edu">rneubaue@butlercc.edu</a> Matt Sanders	Y	Y
Cloud County CC	PE141- Personal Wellness	3	Spencer Farha, <a href="mailto:sfarha@cloud.edu">sfarha@cloud.edu</a>	Y	Y
Coffeyville CC	HPER 102-Personal Hygiene & Community Health	3	Jeff Leiker, <a href="mailto:jeffl@coffeyville.edu">jeffl@coffeyville.edu</a>	Y	Y
Colby CC	PE177-Personal & Community Health	3	Ryan Halle, <a href="mailto:ryan.hale@colbycc.edu">ryan.hale@colbycc.edu</a>	Y	Y
Cowley County CC	ALH6312-Personal Health & Comm. Hygiene	3	Not present	N	
Dodge City CC	HLTH 100-Personal and Community Health	3	Not present	N	
Flint Hills TC			Not present	N	
Fort Scott CC	PHE1373-Personal & Community Health	3	Regena Lance, <a href="mailto:regenal@fortscott.edu">regenal@fortscott.edu</a>	Y	Y
Garden City CC	HPER 121-Lifetime Fitness	2	Not present	N	
Highland CC			Not present	N	
Hutchinson CC	Personal & Community Health (PE105)		Michelle Carey <a href="mailto:careym@hutchcc.edu">careym@hutchcc.edu</a>	Y	Y
Independence CC	Personal & Community Health (HEA 1053)	3	Brett Gilcrist, <a href="mailto:bgilcrist@indycc.edu">bgilcrist@indycc.edu</a>	Y	Y
Johnson County CC	HPER 202- Personal Community Health	3	Joe Weis, <a href="mailto:jweis@jccc.edu">jweis@jccc.edu</a>	Y	Y
Kansas City KCC	EXSC0205	3	Ron Wollenhaupt, <a href="mailto:ronw@kckcc.edu">ronw@kckcc.edu</a>	Y	Y
Labette CC	PED 105- Personal and Community Health	3	Ben McKenzie, <a href="mailto:benm@labette.edu">benm@labette.edu</a>	Y	Y
Manhattan Area TC			Not present	N	
Neosho County CC			Not present	N	
North Central KTC			Not present	N	
Northwest KTC			Not present	N	
Pratt CC	HPR177- Personal & Community Health	3	Not present	N	
Salina Area TC			Not present	N	
Seward County CC	PE2213- Personal and Community Health	3	Not present	N	
Wichita Area TC	Personal and Community Health	3	Vrenda Pritchard, <a href="mailto:vpritchard@watc.edu">vpritchard@watc.edu</a>	Y	Y

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Emporia St. U.	HL 150- Critical Health Issues and Decisions in Society	3	Shawna Shane, <a href="mailto:sshane@emporia.edu">sshane@emporia.edu</a>	Y	Y
Fort Hays St. U.	HHP 200-Personal Wellness	3	Glen McNeil, <a href="mailto:gmcneil@fhsu.edu">gmcneil@fhsu.edu</a>	Y	Y
Kansas St. U.	KIN 110-Intro to Public Health	3	Emily Emerson, <a href="mailto:emerson@ksu.edu">emerson@ksu.edu</a>	Y	Y
Pittsburg St. U.	Not offered		Not present	N	
U. Of Kansas	HSES 260-Personal & Community Health	3	Joseph Weir, <a href="mailto:joseph.weir@ku.edu">joseph.weir@ku.edu</a>	Y	Y
Washburn U.	HL 152-Personal & Community Health	3	Not present	N	
Wichita St. U.			Not present	N	
			TOTALS	16 (Y)	16 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes:** 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.

Upon completion of this course, students will be able to:

- 1) Gather, analyze and utilize information to make decisions that promote personal and community health and wellness.
- 2) Differentiate among dimensions of wellness as they apply to overall health.
- 3) Demonstrate the knowledge and skills for developing personal responsibility in health choices and quality of life.
- 4) Recognize the importance of demographic diversity as it applies to health and wellness issues.

**Next Recommended Course for Articulation: No consensus reached**

**Chair for Next Meeting: N/A**

**Next Meeting Date (year): N/A**

**Discipline: Mathematics**

**Kansas Regents System Number (KRSN) and Title: KRSN ?? Elementary Statistics**

**Chair/Facilitator(s): Paul Walcher, Neosho County CC**

**Transfer and Articulation Council Liaison: Andy Anderson, JCCC, and David Smith, Independence CC**

**Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

<b>Institution</b>	<b>Course Number and Title</b>	<b>Cr. Hrs</b>	<b>Institution Appointed Voting Faculty Member</b>	<b>Present Y or N</b>	<b>Vote Y or N</b>
Allen County CC	MAT 115 Elementary Statistics	3	<b>Doug Joseph</b>	Y	Y
Barton County CC	STAT 1829 Elements of Statistics	3	<b>Jo Harrington</b>	Y	Y
Butler CC	MA 210 Applied Statistics	3	<b>Donna Gorton</b> Larry Friesen Robert Zavala Susan Gegner	Y	Y
Cloud County CC	MA 114	3		N	
Coffeyville CC	MATH 250 Elem. Statistics	3	<b>Kendall Payne</b>	Y	Y
Colby CC	MA205 Statistics	3	<b>John Olson</b>	Y	Y
Cowley County CC	MTH4423	3	<b>David Hayes</b>	Y	Y
Dodge City CC	MATH230 Elementary Statistics	3	<b>Dylan Faullin</b>	Y	Y
Flint Hills TC				N	
Fort Scott CC	MAT 2253 Elementary Statistics	3	<b>Dee Ann Vanluyck</b>	Y	Y
Garden City CC	MATH 110 Fundamentals of Statistics	3	<b>Nicole Dick</b>	Y	Y
Highland CC	MAT203: Basic Statistics	3	<b>Lauren Jacobs</b>	Y	
Hutchinson CC	MAT108 Elementary Statistics	3	<b>David Bosworth</b>	Y	Y
Independence CC	MATH 1103 Elem. Stat.	3	<b>Brian Southworth</b>	Y	Y
Johnson County CC	MATH 181 Statistics	3	<b>Ron Palcic</b> Steve Wilson Donna Helgeson	Y	Y
Kansas City KCC	MATH 0115 Elem. Statistics	3	<b>Paige Darby</b>	Y	Y
Labette CC	Math 120 Elementary Statistics	3	<b>Ralph Gouvion</b>	Y	Y
Manhattan Area TC	MAT 135 Elementary Statistics	3	<b>Marilyn Mahan</b>	Y	Y
Neosho County CC	MATH 143 Elem. Statistics	3	<b>Paul Walcher</b>	Y	Y
North Central KTC				N	
Northwest KTC				N	
Pratt CC				N	
Salina Area TC				N	
Seward County CC	MA2103 Elementary Statistics	3	<b>Luke Dowell</b>	Y	Y
Wichita Area TC	MTH120 Elem. Statistics	3	<b>Shelby Jansen</b>	Y	Y
Emporia St. U.	MA 120 Intro to Statistics	3	<b>Larry Scott</b>	Y	Y
Fort Hays St. U.	MATH 250 Elem. Statistics	3	<b>Bill Weber</b>	Y	Y
Kansas St. U.	Stat 325. Elementary Statistics	3	<b>Christopher Vahl</b>	Y	Y
Pittsburg St. U.	Math 143	3	<b>Tim Flood</b>	Y	Y
U. Of Kansas	MATH 365 Elem. Statistics	3	<b>Marge Bayer</b>	Y	Y
Washburn U.	MA-140 Statistics	3	<b>Mike Mosier</b>	Y	Y
Wichita St. U.	Stat 171 Intro to Statistics	3	<b>Paul Scheuerman</b>	Y	Y
			<b>TOTALS</b>	26 (Y)	25 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes: 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.**

Upon completion of this course, students will be able to:

1. Create graphical and numerical descriptions of quantitative and qualitative data.
2. Calculate probabilities and percentiles related to a general normal distribution.
3. Distinguish differences in data analysis and interpretation between observational data and data from designed experiments.
4. Calculate and interpret a confidence interval for a single parameter, using both large and small samples.
5. Perform and interpret a test of hypotheses for a single parameter, using both large and small samples.
6. Perform and interpret statistical inference on the difference of two parameters.
7. Fit and interpret a simple linear regression model, including correlation and scatterplots.

**Next Recommended Course for Articulation: College Algebra (it's up for its four year review).**

**Chair for Next Meeting:**

**Paul Walcher**

**Next Meeting Date (year): 2016. Although if we're going to discuss College Algebra, it may perhaps be completed through e-mail.**

**Discipline: Physics****Kansas Regents System Number (KRSN) and Title: PHY 1030/PHY 1031/ PHY 1032, Engineering Physics I with Lab/Engineering Physics I/ Engineering Physics I Lab****Chair/Facilitator(s): Gavin Buffington, FHSU****Transfer and Articulation Council Liaisons: Melinda Roelfs, PSU, and Joey Linn, FHSU****Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Allen County CC	PSC 204: Engineering Physcs I w/lab	5	Les Thomas, thomas@allencec.edu	Y	Y
Barton County CC	PHYS 1604 Engineering Physics I	5	Tim Folkerts, folkertst@bartonccc.edu	Y	Y
Butler CC	PH251 Physics I	5	Danny Mattern <a href="mailto:dmattern@butlercc.edu">dmattern@butlercc.edu</a>	Y	Y
Cloud County CC	SC142 University Physics I	5	Todd Leif, tleif@cloud.edu	Y	Y
Coffeyville CC	ENGR 210 Engineering Physics I	5	Ryan Willis, ryanw@coffeyville.edu	Y	Y
Colby CC	PH 208 Engineering Physics I	5	Brent Wilson, brent.wilson@colbycc.edu	Y	Y
Cowley County CC	PHS 4650 Engineering Physics I	5	Humphrey Wamocha, wamochah@cowley.edu	Y	Y
Dodge City CC	PHYS 231 & PHY 231 Engineering Physics I	5	Steven Ellis, sellis@dc3.edu	Y	Y
Fort Scott CC	PHS2015 College Physics I PHS201L College Physics Lab	5	Elie Riachi, elier@fortscott.edu	Y	Y
Garden City CC					
Highland CC	PS 215 College Physics I	5	Ron Adams, radams@highlandcc.edu	Y	Y
Hutchinson CC	PY201 Engineering Physics I	5	Dan Smith, smithd@hutchcc.edu	Y	Y
Independence CC	PHYS 2055 Engineering Physics I	5	Mona Salch	Y	Y
Johnson County CC	PHYS 220 Engineering Physics I	5	Dan Martinez, dmartine@jccc.edu	Y	Y
Kansas City KCC	NASCO245 Engineering Physics I and Lab	5	Chandra Thapa	Y	Y
Labette CC	PHYS 203 Engineering Physics I w/lab	5	David Beach, davidb@labette.edu	Y	Y
Neosho County CC					
Pratt CC					
Seward County CC	PS2505 Engineering Physics I	5	Darren Hook, darrinhook@sccc.edu	Y	Y
Flint Hills TC					
Manhattan Area TC					
North Central KTC					
Northwest KTC					
Salina Area TC					
Wichita Area TC					



Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Emporia St. U.	Ph190/191/192 Physics I, Physics I Lab Physics I Recitation	5	Jorge Ballester <a href="mailto:jballest@emporia.edu">jballest@emporia.edu</a>	Y	Y
Fort Hays St. U.	PHYS211 & PHYS211L Physics for Scientists and Engineers I & Physics for Scientists and Engineers I Lab	4/1	Gavin Buffington, <a href="mailto:gdbuffington@fhsu.edu">gdbuffington@fhsu.edu</a>	Y	Y
Kansas St. U.	PHYS 213	5	Mick O'Shea, <a href="mailto:mjoshea@ksu.edu">mjoshea@ksu.edu</a>	Y	Y
Pittsburg St. U.	PHYS104 Engineering Physics I PHYS130 Elementary Physics Lab I	4+1	David Kuehn, <a href="mailto:dkuehn@pittstate.edu">dkuehn@pittstate.edu</a>	Y	Y
U. Of Kansas	PHSX210 General Physics I for Engineers (4) PHSX211 General Physics I (3) PHSX216 General Physics I Lab (1)	4+1	Chris Fischer	Y	Y
Washburn U.	PS281 General Physics I (5) PS281L General Physics I Lab (0)	5	Steve Black <a href="mailto:steve.black@washburn.edu">steve.black@washburn.edu</a>	Y	Y
Wichita St. U.	PHYS 313 Physics for Scientists I PHYS 315 University Physics Lab I	4+1	Richard Traverzo <a href="mailto:Richard.traverzo@wichita.edu">Richard.traverzo@wichita.edu</a>	Y	Y
			TOTALS	23 (Y)	23 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes: 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.**

Upon completion of this course, students will be able to:

Engineering Physics I (and associated laboratory experience) is the study of translational and rotational motion, force, work, mechanical and thermal energy, linear and angular momentum, mechanical waves, and fluid mechanics using the tools of algebra, trigonometry, and calculus.

At the conclusion of (KSRN #'s):

1. The student will be able to evaluate situations involving Engineering Physics I topics by choosing the appropriate conceptual frameworks.
2. The student will be able to recall relevant physical models and to successfully apply these models using techniques of symbolic and numerical analysis in order to generate solutions to problems in Engineering Physics I topics.
3. The student will be able to think critically by utilizing problem solving techniques to evaluate and analyze context rich, multi-step problems in Engineering Physics I topics, selecting relevant information, selecting an approach to solving the problem and carrying out the analysis needed to generate and communicate solution(s).
4. The student will be able to perform measurements using physical apparatus, analyze the collected data including appropriate treatment of errors and uncertainties, generate and communicate conclusions based on the data and analysis for experimental investigations in Engineering Physics I topics.

**Next Recommended Course for Articulation: Review previous courses**

**Chair for Next Meeting: Dr. Gavin Buffington**

**Next Meeting Date (year):**

**Discipline: Physics****Kansas Regents System Number (KRSN) and Title: PHY 2030/PHY 2031/ PHY 2032, Engineering Physics II with Lab/Engineering Physics II/Engineering Physics II Lab****Chair/Facilitator(s): Gavin Buffington, FHSU****Transfer and Articulation Council Liaisons: Melinda Roelfs, PSU, and Joey Linn, FHSU****Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Allen County CC	PSC205 Engineering Physics II w/lab	5	Les Thomas, thomas@allence.edu	Y	Y
Barton County CC	PHYS 1606 Engineering Physics II	5	Tim Folkerts, folkertst@bartonccc.edu	Y	Y
Butler CC	PH252 Physics II	5	Danny Mattern <a href="mailto:dmattern@butlercc.edu">dmattern@butlercc.edu</a>	Y	Y
Cloud County CC	SC143 University Physics II SC143L University Physics II Lab	5	Todd Leif, tleif@cloud.edu	Y	Y
Coffeyville CC	ENGR 211 Engineering Physics II	5	Ryan Willis, ryanw@coffeyville.edu	Y	Y
Colby CC	PH228 Engineering Physics II	5	Brent Wilson, brent.wilson@colbycc.edu	Y	Y
Cowley County CC	PHS4651 Engineering Physics II	5	Humphrey Wamocha, wamochah@cowley.edu	Y	Y
Dodge City CC	PHYS232 Engineering Physics II PHY232 Engineering Physics II Lab	5	Steven Ellis, sellis@dc3.edu	Y	Y
Fort Scott CC	PHS2025 College Physics II PHS 202L College Physics II Lab	5	Elie Riachi, elier@fortscott.edu	Y	Y
Garden City CC					
Highland CC	PS216 College Physics II	5	Ron Adams, radams@highlandcc.edu	Y	Y
Hutchinson CC	PY202 Engineering Physics II	5	Dan Smith, smithd@hutchcc.edu	Y	Y
Independence CC	PHYS Engineering Physics II	5	Mona Salch	Y	Y
Johnson County CC	PHYS331 Engineering Physics II	5	Dan Martinez, dmartine@jccc.edu	Y	Y
Kansas City KCC	NASCO246 Engineering Physics II and Lab	5	Chandra Thapa	Y	Y
Labette CC	PHYS208 Engineering Physics II w/lab	5	David Beach, davidb@labette.edu	Y	Y
Neosho County CC					
Pratt CC					
Seward County CC	PS2515 Engineering Physics II and lab	5	Darren Hook, darrinhook@sccc.edu	Y	Y
Flint Hills TC					
Manhattan Area TC					
North Central KTC					
Northwest KTC					
Salina Area TC					

Institution	Course Number and Title	Cr. Hrs	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Wichita Area TC					
Emporia St. U.	PH393/394/395 Physics II Physics II Lab Physics II Recitation	5	Jorge Ballester <a href="mailto:jballest@emporia.edu">jballest@emporia.edu</a>	Y	Y
Fort Hays St. U.	PHYS 212 & PHYS 212L Physics for Scientists and Engineers II & Physics for Scientists and Engineers II Laboratory	4/1	Gavin Buffington, <a href="mailto:gdbuffington@fhsu.edu">gdbuffington@fhsu.edu</a>	Y	Y
Kansas St. U.	PHYS214	5	Mick O'Shea, <a href="mailto:mjoshea@ksu.edu">mjoshea@ksu.edu</a>	Y	Y
Pittsburg St. U.	PHYS105 Engineering Physics II PHYS131 Elementary Physics Lab II	4+1	David Kuehn, <a href="mailto:dkuehn@pittstate.edu">dkuehn@pittstate.edu</a>	Y	Y
U. Of Kansas	PHSX212 General Physics II (3) PHSX236 General Physics II Lab (1)	4	Chris Fischer	Y	Y
Washburn U.	PS282 General Physics II PS282L General Physics II Lab	5	Steve Black <a href="mailto:steve.black@washburn.edu">steve.black@washburn.edu</a>	Y	Y
Wichita St. U.	PHYS314 Physics for Scientists II PHYS316 University Physics Lab II	4+1	Richard Traverzo <a href="mailto:Richard.traverzo@wichita.edu">Richard.traverzo@wichita.edu</a>	Y	Y
			TOTALS	23 (Y)	23 (Y)

**Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.**

**Core Student Learning Outcomes:** 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.

Upon completion of this course, students will be able to:

Engineering Physics II (and associated laboratory experience) is the continuation of Engineering Physics I (*KSRN #'s for Engineering Physics I and Lab*) using the tools of algebra, trigonometry, and calculus.

Topics covered in this course will include electricity and magnetism, electromagnetic waves, and optics.

At the conclusion of (*KSRN #'s*):

1. The student will be able to evaluate situations involving Engineering Physics II topics by choosing the appropriate conceptual frameworks.  
The student will be able to recall relevant physical models and to successfully apply these models using techniques of symbolic and numerical analysis in order to generate solutions to problems in Engineering Physics II topics.
2. The student will be able to think critically by utilizing problem solving techniques to evaluate and analyze context rich, multi-step problems in Engineering Physics II topics, selecting relevant information, selecting an approach to solving the problem and carry out the analysis needed to generate and communicate solution(s).
3. The student will be able to perform measurements using physical apparatus, analyze the collected data including appropriate treatment of errors and uncertainties, generate and communicate conclusions based on the data and analysis for experimental investigations in Engineering Physics II topics.

**Next Recommended Course for Articulation: Review previous courses**

**Chair for Next Meeting: Dr. Gavin Buffington**

**Next Meeting Date (year):**

**Discipline: Sociology/Social Work**

**Kansas Regents System Number (KRSN) and Title: SOC 1020, Introduction to Social Work**

**Chair/Facilitator(s): Alice Lieberman, KU**

**Transfer and Articulation Council Liaison: Sara Rosen, KU, and Linnea Glenmaye, WSU**

**Courses from Kansas Public Institutions for which Core Outcomes apply (equivalent courses across the system) and Faculty Representatives:**

Institution	Course Number and Title	Cr. Hrs.	Institution Appointed Voting Faculty Member	Present Y or N	Vote Y or N
Allen County CC	Not taught/developing		William Dodd	Y	Y
Barton County CC	Soci 106 Intro to SW	3	Edmond Johnson	Y	Y
Butler CC	SW 102 Intro to Social Work	3	Cheree Encopera	Y	Y
Cloud County CC	SS 129 Intro to SW	3	Brenda Hanson	Y	Y
Coffeyville CC					
Colby CC					
Cowley County CC					
Dodge City CC					
Flint Hills TC					
Fort Scott CC					
Garden City CC					
Highland CC	SOC 104 Intro to Social Work	3	Kristin Woodruff	Y	Y
Hutchinson CC					
Independence CC					
Johnson County CC	SOC 146	3	Carla Vause	Y	Y
Kansas City KCC	SOSCO 210 Intro to Social work	3	Cleon Wiggins	Y	Y
Labette CC	SOC 112 Intro to Soc WK	3	Raylynn Amundson	Y	Y
Manhattan Area TC					
Neosho County CC					
North Central KTC					
Northwest KTC					
Pratt CC	SSC 235 Intro to Social Work	3	David T. Cramer	Y	Y
Salina Area TC					
Seward County CC					
Wichita Area TC		#	Yolonda Mowrey	Y	Y
Emporia St. U.	SO 345		Almedo Montalvo	Y	Y
Fort Hays St. U.	SOCW 260	3	Roy Spray II	Y	Y
Kansas St. U.	SOCWK 100 Social Work: The Helping Profession	3	Lorenza Lockett	Y	Y
Pittsburg St. U.	SWK 201 Intro to SW		Kristen Humphrey		
U. Of Kansas	SW 220 Social Work, Social Welfare, and US Society	3	Alice Lieberman	Y	Y
Washburn U.					
Wichita St. U.	SOCWK 201 Intro to Social work	3	Shaunna Millar	Y	Y
			TOTALS	15 (Y)	15 (Y)

*Failure to participate in the articulation of course outcomes will be taken as agreement (recorded as a yes vote) with any actions approved at the KCOG meeting.*

**Core Student Learning Outcomes:** 4-6 specific, measurable learning outcomes expected of every student that completes the course. Only student outcomes are included in this report.

Upon completion of this course, students will be able to:

- Define & describe social work - what it is, what it does, and with whom, in what areas of human functioning, in what context, and with what focus.
- Compare and contrast social work from other helping professions (e.g. psychology, applied sociology, psychiatry, etc.); professional social work from volunteer helping; profession from occupation; and social service organizations from other organizations.
- Identify and critically examine the philosophical and historical roots of social work and social welfare.
- Identify common fields of generalist practice at the various levels of social work interventions (e.g. individuals, families, groups, organizations, and communities).
- Identify the social work professional's core values and ethical principles and compare and contrast with the individual student's values and those values held in society (NASW Code of Ethics)
- Identify core theories and research that guide social work and social welfare policies, frameworks, perspectives, and generalist practice methods.
- Identify and examine social and economic justice issues addressed by the social work and social welfare profession, especially those related to poverty, inequality, racism, sexism, homophobia, ageism, and other forms of oppression at the micro, mezzo, and macro levels.

**Next Recommended Course for Articulation:**

**Chair for Next Meeting:**

**Next Meeting Date (year):**