

# DRAKE UNIVERSITY ARTICULATION AGREEMENT

with

## IOWA WESTERN COMMUNITY COLLEGE

*a course equivalency listing and  
transfer planning guide for the*

### AREAS OF INQUIRY DRAKE CURRICULUM

*DRAKE GENERAL EDUCATION FOR ENTRY  
SPRING 2019 AND LATER*

This articulation agreement is based on the Iowa Western Community College 2018-2019 General Catalog and the Drake University 2018-2019 General Catalog. Changes may occur prior to your first semester at Drake University. In the academic advising appointment with your Drake University College or School representative, inquire about any changes and how they may be relevant to creating your degree plan and reaching your educational goals. Please refer to [www.drake.edu](http://www.drake.edu) for up to date information.

**For more information please contact:**

Drake University Office of the Registrar, 2507 University Avenue

Des Moines, IA 50311

Phone: 515-271-2025

[www.drake.edu](http://www.drake.edu)

## **Welcome!**

### **Course Applicability**

**EQUIVALENT:** For courses from IWCC which have direct course equivalents at Drake, this agreement shows the Drake course with the course number in boldface.

**ELECTIVE:** **Students will be granted college transfer credit for courses in this category.** However, these courses are not equivalent to any single Drake course. A course in this category may be used to fulfill required or elective course requirements at the discretion of the Associate or Assistant Dean of the Drake college or school in which a student is enrolled.

**CAREER-TECH:** A maximum of 16 semester hours of career-technical elective credit may be granted at the discretion of the Associate or Assistant Dean of the Drake college or school in which the student is enrolled.

**NO CREDIT:** Drake will not grant credit for these courses.

Regardless into which category a course may be placed (equivalents or electives), the Academic Representative of the Drake college or school to which you are granted admission will determine how each transfer course meets specific requirements for the degree you are seeking.

### **Drake's Areas of Inquiry**

Most courses are accepted by Drake at their IWCC semester hour value. The courses outlined will count toward satisfying the Drake Curriculum Area of Inquiry (AOI) requirements for majors in all of the colleges and schools at Drake University. A maximum of 66 semester hours of transfer credit from two-year institutions will be accepted. The Associate or Assistant Dean of the Drake college or school in which a student is enrolled will determine how each transferred course meets specific degree requirements. Achievement guidelines are established in **ten Areas of Inquiry (AOIs)** that reflect the fundamental Drake Curriculum principles and emphasize responsible decision making and self-discipline. **The approved Drake Curriculum course list for current Drake students can be accessed on line at <http://www.drake.edu/dc/>**

**To fulfill Drake Curriculum Areas of Inquiry (AOIs), 37-38 semester hours of course credit must be completed. The First Year Seminar and Senior Capstone requirements combined total 4-6 semester hours of credit. Total credit hours required to complete the entire Drake Curriculum: 41-44 semester hours.** Transfer students are not required to complete all of the coursework prior to enrollment at Drake. In some cases, a course may be approved for more than one AOI. For example, BUS 185 is approved for both the Critical Thinking and Values and Ethics AOIs. In those cases, the course may be applied in only one area. These courses, however, may simultaneously count toward a specific college or major requirement. Students are strongly encouraged to keep course syllabi from transfer institutions so that a closer evaluation may be made in the event that a course may need to be re-evaluated for its applicability to the Drake Curriculum plan. Drake University will also accept some AP, IB and CLEP subject tests to fulfill certain Drake Curriculum Areas of Inquiry.

The AOI abbreviations (i.e. "WRIT" or "CRIT") are located in the right column of the Course Equivalency Guide and in each AOI heading below.

## ARTISTIC EXPERIENCE (ARTS)

*Drake students will learn to interpret and/or create art. Art constructs an essential and ongoing dialogue among individuals, cultures, and societies. Art--whether it takes visual, musical, or theatrical form--grows out of sustained intellectual inquiry. Drake students will recognize that art provides distinctive ways to engage the world and create expressions of the human condition.*

### One course

ART	101	Art Appreciation
ART	120	2-D Design
ART	123	3-D Design
ART	133	Drawing
CLS	184	Rock and Roll and American Culture
DRA	101	Introduction to Theatre
DRA	165	Stagecraft
DRA	179	Stage Make-Up
DRA	220	The American Musical
MUS	100	Music Appreciation
MUS	102	Music Fundamentals

## CRITICAL THINKING (CRIT)

*The Drake Curriculum makes an intentional effort to help students acquire the skills for rational analysis and argumentation. Critical Thinking should be purposeful, rigorous, self-reflective, and based on a careful consideration of evidence.*

### One course

ACC	121	Principles of Accounting I
BUS	185	Business Law I
CIS	171	Java
LIT	160	Short Story/Novel
LIT	169	Science Fiction & Fantasy Literature
LIT	170	Poetry/Drama
MKT	150	Principles of Advertising
PHI	101	Introduction to Philosophy
PSY	251	Social Psychology
SPC	112	Public Speaking

## THE ENGAGED CITIZEN (CITZ)

*Drake students will learn to participate effectively in democratic processes. Democracy relies upon the participation of an engaged, knowledgeable and responsible citizenry. As preparation for active participation in public debate, Drake students learn to evaluate the mix of diverse values and interests that influence democratic decision-making. In a sophomore level course, students have the opportunity to bring diverse disciplines to bear in further developing the skills, knowledge, and dispositions that will lead them to be active stewards working for the common good of local, national and global communities. This requirement will be fulfilled through coursework that challenges students to critically reflect upon the social, economic or political institutions and issues that shape the choices they will face as citizens. Instructors will provide students with opportunities to model democratic practices or public engagement through participatory activities organized in the classroom and/or community. Engaged Citizen courses require sophomore standing (students must have 30 or more credit hours).*

### One course

SPC	112	Public Speaking
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## GLOBAL AND CULTURAL UNDERSTANDING (GLOB)

*Through understanding the interaction of knowledge, awareness, and cultural responsibility, Drake students will pursue the ideal wherein all persons have value and a voice. They will learn to examine aspects of society in relation to nationality, race, ethnicity gender or culture, including the interactive nature of relations among people who differ according to these categories.*

### One course

ANT	105	Cultural Anthropology
ASL	171	American Sign Language II
FLS	142	Elementary Spanish II
FLS	242	Intermediate Spanish II
GEO	121	World Regional Geography
HIS	253	American Indian History and Culture
HIS	257	African American History
LIT	130	African American Literature
LIT	134	Multicultural Literature
POL	121	International Relations
REL	101	Survey of World Religions
SOC	198	The Middle East
SOC	200	Minority Group Relations

## HISTORICAL FOUNDATIONS (HISF)

*Drake Students will gain greater understanding of the historical foundations of the modern world and the interconnections of global cultures. Two courses are required in this area of inquiry. Students will use historical analyses to study the interplay of multiple forces of change over time. Courses that count for this AOI will engage students to achieve at least two of these student learning outcomes.*

### Choose two

HIS	110	Western Civ Ancient to Early Modern
HIS	111	Western Civ Early Modern to Present
HIS	151	U.S. History to 1877
HIS	152	U.S. History Since 1877
HIS	251	U.S. History 1945 to Present
HIS	253	American Indian History and Culture
HIS	257	African American History
HIS	281	Local History

## INFORMATION LITERACY (INFO)

*Drake students will learn to acquire, analyze, interpret, and integrate information, employing appropriate technology to assist with these processes, and to understand the social and ethical implications of information use and misuse. Drake students will use appropriate sources, including library and internet resources, to process and evaluate information. Students will gain an understanding of the social and ethical issues encountered in a networked world, an ability to assess the quality of information, and learn appropriate ways to reference information sources.*

### One course

CIS	171	Java
JOU	110	Introduction to Mass Media

## QUANTITATIVE LITERACY (QUAN)

Students will learn to reason with the symbols and components of mathematical languages as well as effectively use the principles that underlie these operations. Courses that satisfy this requirement will have mathematical reasoning as their principal focus. They may also address questions that engage learners with the world around them and help them to analyze quantitative claims that arise from the study of civic, political, scientific, or social issues. Quantitative literacy courses may be focused on the mathematical needs of a specific discipline or on a specific interdisciplinary issue or problem. These courses will engage students to achieve these student learning outcomes.

### One course

MAT	121	College Algebra
MAT	129	Precalculus
MAT	157	Statistics
MAT	211	Calculus I
MAT	217	Calculus II
MAT	220	Calculus III
MAT	225	Differential Equations

## SCIENTIFIC LITERACY (LIFE, PHSC)

Scientific literacy is crucial for understanding the issues that affect the future for all people, locally, nationally, and globally. Drake students will gain a basic understanding of content, methods, and contributions of science through courses rooted in the content of the life/behavioral and physical sciences. Through significant exposure to experiment and theory, students will be able to meaningfully interpret and evaluate scientific information for personal and professional applications as engaged citizens. All courses that fulfill this AOI will engage students to achieve basic scientific literacy; individual courses will pursue the additional outcomes as appropriate to their disciplinary or interdisciplinary focus. Drake students will complete two courses in this area of inquiry, including one in the life/behavioral sciences and one in the physical sciences. At least one course taken for this AOI will include a laboratory or field experience.

### Choose two, one from each category and at least one with a lab

#### One Life/Behavioral Science

BIO	105	Introductory Biology
BIO	112	General Biology I
BIO	113	General Biology II
BIO	125	Plant Biology
CHM	122	Introduction to General Chemistry
CHM	132	Biochemistry
CHM	263	Organic Chemistry I
CHM	273	Organic Chemistry II
ENV	102	Introduction to Sustainability
ENV	111	Environmental Science
PSY	111	Introduction to Psychology

#### One Physical Science

CHM	122	Introduction to General Chemistry
CHM	132	Biochemistry
CHM	166	General Chemistry I
CHM	263	Organic Chemistry I
CHM	273	Organic Chemistry II
PHS	142	Principles of Astronomy
PHS	160	Introduction to Oceanography
PHS	165	Introduction to Meteorology
PHS	172	Physical Geology with Lab
PHS	187	Introduction to Earth Science with Lab
PHY	156	General Physics I
PHY	157	General Physics I Lab
PHY	210	Classical Physics I (Calculus based)
PHY	211	Classical Physics I Lab

PHY	220	Classical Physics II (Calculus based)
PHY	221	Classical Physics II Lab

## VALUES AND ETHICS (VE)

*Students will learn to recognize ethical issues and to reflect critically upon the demands of conscience. They will develop as reflective practitioners with an understanding of the larger goals of stewardship inherent in their professional endeavors, and have a sense of obligation that extends to beyond the self. They will develop an understanding of the skills and knowledge necessary to anticipate the consequences of actions as well as an understanding of the dispositions necessary to develop a commitment to ethical conduct. Students will develop the basic tools required to question themselves and others in a responsible manner and to evaluate the ethical implications of both collective and personal choices.*

### One course

BUS	185	Business Law I
CRJ	258	Ethical Issues in Criminal Justice
EDU	210	Foundations of Education
JOU	211	Ethics in the Media
PHI	105	Introduction to Ethics
PHI	142	Ethics in Business
PHI	211	Ethics in the Media

## WRITTEN COMMUNICATION (WRIT)

*Drake students will learn to read with discrimination and understanding and to write persuasively. Drake students will learn to shape their writing according to subject, purpose, medium, context and intended audience. This area of inquiry may be satisfied by a single course, provided that writing is a significant component of the course, significant attention is directed towards the teaching of writing, and a significant portion of the student's grade focuses on the quality of writing, independent of the subject matter.*

### One course

ENG	105	Composition I
ENG	106	Composition II

<b>IWCC Course Number</b>	<b>IWCC Course Title</b>	<b>Drake Course Equivalent</b>	<b>Drake Course Title</b>	<b>Credits</b>	<b>Area of Inquiry (AOI)</b>
Sorted alphabetically by acronym					
<b>ACCOUNTING</b>					
ACC	111	Introduction to Accounting	ACCT ELECTIVE		3
ACC	121	Principles of Accounting I	<b>ACCT 041</b>	Intro to Financial Acctg	3 CRIT
ACC	122	Principles of Accounting II	<b>ACCT 042</b>	Intro to Managerial Acctg	3
ACC	161	Payroll Accounting	ACCT ELECTIVE		3
ACC	211	Intermediate Accounting I	ACCT ELECTIVE		3
ACC	221	Cost Accounting	ACCT ELECTIVE		3
ACC	251	Governmental and Nonprofit Accounting	ACCT ELECTIVE		3
ACC	261	Income Tax Accounting	ACCT ELECTIVE		3
ACC	311	Computer Accounting	<b>ACCT 105</b>	Accounting Info Systems	3
ACC	932	Accounting Internship	ACCT ELECTIVE		1-8
<b>ADN</b>	106-831	Associate Degree Nursing	*CAREER-TECH		
*The assistant or associate dean of college or school into which the student transfers will determine whether any nursing credit may be applied toward a Drake degree.					
<b>AGA</b>	115-376	Agriculture - Agronomy	CAREER-TECH		
<b>AGB</b>	211-814	Agriculture - Farm Management	CAREER-TECH		
<b>AGC</b>	215	Agriculture - Comprehensive	CAREER-TECH		
<b>AGH</b>	112-819	Agriculture - Horticulture	CAREER-TECH		
<b>AGP</b>	333-457	Agriculture - Precision Ag	CAREER-TECH		
<b>AGS</b>	113-226	Agriculture - Animal Science	CAREER-TECH		
<b>AGV</b>	100-806	Agriculture - Vet Tech	CAREER-TECH		
<b>ANTHROPOLOGY</b>					
ANT	100	Introduction to Anthropology	SCSA ELECTIVE		3
ANT	105	Cultural Anthropology	<b>SCSA 002</b>	Intro Cultural Anthropology	3 GLOB
<b>APP</b>	150-210	By Title	CAREER-TECH		
<b>ART</b>					
ART	101	Art Appreciation	<b>ART 074</b>	Intro to Art	3 ARTS
ART	120	2-D Design	<b>ART 013</b>	2-D Design	3 ARTS
ART	123	3-D Design	<b>ART 014</b>	Constructing Space	3 ARTS
ART	125	Digital Media	ART ELECTIVE		3
ART	133	Drawing	<b>ART 015</b>	Drawing I	3 ARTS
ART	143	Painting	<b>ART 063</b>	Painting I	3
ART	151	Design I	<b>ART 052</b>	Form & Concept	3
ART	184	Photography	ART ELECTIVE		3
ART	193	Studio Practices II	ART ELECTIVE		3
ART	196	Studio Practices I	ART ELECTIVE		3
<b>AMERICAN SIGN LANGUAGE</b>					
ASL	110	Introduction to American Sign Language	ASL ELECTIVE		3
ASL	120	Linguistics of American Sign Language	ASL ELECTIVE		3
ASL	141	American Sign Language I	<b>ASL 001</b>	American Sign Language	4
ASL	171	American Sign Language II	<b>ASL 002</b>	American Sign Language II	4 GLOB
ASL	245	American Sign Language III	ASL ELECTIVE		4
ASL	271	American Sign Language IV	ASL ELECTIVE		3
ASL	295	American Sign Language V	ASL ELECTIVE		3
<b>ATR</b>	113-170	Robotics	CAREER-TECH		
<b>AUT</b>	114-923	Automotive Technology	CAREER-TECH		
<b>AVM</b>	120-194	Aviation Maintenance	CAREER-TECH		
<b>BCA</b>	115-250	Business Computer Applications	CAREER-TECH		
<b>BIOLOGICAL SCIENCES</b>					
BIO	105	Introductory Biology	<b>BIO 001, 001L</b>	Biological Sciences/Lab	4 LIFE
BIO	112	General Biology I	<b>BIO 012, 012L</b>	Gen/Pre Professional Bio I/Lab	4 LIFE
BIO	113	General Biology II	<b>BIO 013, 013L</b>	Gen/Pre Professional Bio II/Lab	4 LIFE

IWCC Course Number		IWCC Course Title	Drake Course Equivalent	Drake Course Title	Credits	Area of Inquiry (AOI)
BIO	125	Plant Biology	BIO 019, 019L	Intro to Botany/Lab	4	LIFE
BIO	151	Nutrition	BIO ELECTIVE		3	
BIO	157	Human Biology	BIO ELECTIVE		4	
BIO	168	Human Anatomy and Physiology I with Labs	BIO ELECTIVE (1)(2)		4	
BIO	173	Human Anatomy and Physiology II with Labs	BIO ELECTIVE (1)(2)		4	
BIO	186	Microbiology	BIO 103/103L**	Microbiology	4	
BIO	209	Kinesiology	BIO ELECTIVE		3	
BIO	211	Pathophysiology	BIO ELECTIVE		3	
BIO	272	Biomass to Bioenergy	BIO ELECTIVE		4	
BIO	908	Cooperative Education	BIO ELECTIVE		1-6	
BIO	927	Honors Study	BIO ELECTIVE		2	
<b>**Pharmacy students will receive credit for BIO 095</b>						
(1) BIO 168 and BIO 173 together are equivalent to Drake's BIO 018 & 018L						
(2) For Health Science majors: BIO 168 & BIO 173 are taken ALL together, they equate to HSCI 125 & HSCI 141						
<b>BUSINESS ADMINISTRATION</b>						
BUS	102	Introduction to Business	BUS ELECTIVE		3	
BUS	105	Accounting & Business Professional Dev	BUS ELECTIVE		1	
BUS	121	Business Communications	BUS ELECTIVE		3	
BUS	130	Introduction to Entrepreneurship	ENTR 101	Intro to Entrepreneurship	3	
BUS	154	E-business	CAREER-TECH		3	
BUS	161	Human Relations	CAREER-TECH		3	
BUS	185	Business Law I	BLAW 060	Business Law I	3	CRIT or VE
BUS	186	Business Law II	BLAW 120	Business Law II	3	
BUS	280	Fundamentals of Lean Process Improvement	MGMT ELECTIVE		3	
BUS	908	Cooperative Education	CAREER-TECH		1-6	
CAD	129-933	By Title	CAREER-TECH			
<b>CHEMISTRY</b>						
CHM	122	Introduction to General Chemistry	CHEM ELECTIVE		4	LIFE OR PHSC
CHM	132	Introduction to Organic and Biochemistry	CHEM ELECTIVE		4	LIFE OR PHSC
CHM	166	General Chemistry I	CHEM 001/003	Gen Chemistry I/ Lab I	5	PHSC
CHM	176	General Chemistry II	CHEM 002/004	Gen Chemistry II/ Lab II	5	
CHM	263	Organic Chemistry I	CHEM 097/098	Organic Chemistry I/ Lab I	5	LIFE OR PHSC
CHM	273	Organic Chemistry II	CHEM 108/110	Organic Chemistry II/ Lab II	5	LIFE OR PHSC
<b>COMPUTER PROGRAMMING</b>						
CIS	121	Introduction to Programming Logic	CS ELECTIVE		3	
CIS	127	Introduction to Programming	CS ELECTIVE		3	
CIS	134	Web Design	IS 145		3	
CIS	139	Programming I	IS ELECTIVE		3	
CIS	144	Programming II	IS 080	Visual Basic	3	
CIS	151	Programming III	IS ELECTIVE		3	
CIS	158	Web e-Business	CAREER-TECH		3	
CIS	161	C++ Programming	CS ELECTIVE		3	
CIS	164	Advanced C++	CS ELECTIVE		3	
CIS	171	Java	CS 065	Intro to CS I	3	CRIT or INFO
CIS	175	Java II	CS ELECTIVE		3	
CIS	187	ASP.NET MVC with C#	CS ELECTIVE		3	
CIS	207	Fundamentals of Web Programming	CAREER-TECH		3	
CIS	213	Advanced Client Side Scripting	CAREER-TECH		3	
CIS	215	Server Side Web Programming	CS ELECTIVE		3	
CIS	227	Advanced Web Design	CAREER-TECH		3	
CIS	332	Database and SQL	CS ELECTIVE		3	
CIS	402	Cobol	CAREER-TECH		3	
CIS	504	Structured Systems Analysis	CAREER-TECH		3	
CIS	606	Visual BASIC.NET I	CS ELECTIVE		3	
CIS	607	Visual BASIC.NET II	CS ELECTIVE		3	
CIS	780	Computer Projects	Varies by Topic		3-6	
<b>CULTURAL STUDIES</b>						



IWCC Course Number		IWCC Course Title	Drake Course Equivalent	Drake Course Title	Credits	Area of Inquiry (AOI)
CLS	183	Baseball and American Culture	GENERAL ELECTIVE		3	
CLS	184	Rock and Roll and American Culture	GENERAL ELECTIVE		3	ARTS
<b>CON</b>	114-425	Construction Technology	CAREER-TECH			
<b>CRIMINAL JUSTICE</b>						
CRJ	100	Introduction to Criminal Justice	GENERAL ELECTIVE		3	
CRJ	111	Police and Society	GENERAL ELECTIVE		3	
CRJ	120	Introduction to Corrections	GENERAL ELECTIVE		3	
CRJ	130	Criminal Law	GENERAL ELECTIVE		3	
CRJ	133	Constitutional Criminal Procedures	GENERAL ELECTIVE		3	
CRJ	142	Criminalistics	GENERAL ELECTIVE		3	
CRJ	160	Introduction of Forensic Investigation	GENERAL ELECTIVE		3	
CRJ	240	Criminal Investigation	GENERAL ELECTIVE		3	
CRJ	258	Ethical Issues in Criminal Justice	GENERAL ELECTIVE		3	VE
CRJ	260	Medicolegal Death Investigation	GENERAL ELECTIVE		3	
CRJ	290	Criminal Justice Cooperative Education	GENERAL ELECTIVE		3	
CRJ	291	Forensic Investigation Cooperative Education	GENERAL ELECTIVE		3	
<b>COMPUTER SCIENCE</b>						
CSC	110	Introduction to Computers	<b>IS 044</b>	Mcrsft Offc Tls Bus Anlyss	3	
CSC	114	Intro to Information Technology	CS ELECTIVE		3	
CSC	121	Operating Systems	CS ELECTIVE		3	
CSC	190	Game Programming 2-D	CAREER-TECH		3	
CSC	192	Flash Animation	CAREER-TECH		3	
CSC	194	Computer Game Creation	CAREER-TECH		3	
<b>DEA</b>	253-933	Dental Assistant	CAREER-TECH			
<b>DHY</b>	114-304	Dental Hygiene	CAREER-TECH			
<b>THEATRE</b>						
DRA	101	Introduction to Theatre	<b>THEA 076</b>	Intro to the Theatre	3	ARTS
DRA	125	Introduction to Play Analysis	THEA ELECTIVE		3	
DRA	126	Movement for the Actor	THEA ELECTIVE		3	
DRA	130	Acting I	<b>THEA 003</b>	Technique of Acting I	3	
DRA	132	Acting II	<b>THEA 004</b>	Technique of Acting II	3	
DRA	140	Business of Theater	THEA ELECTIVE		2	
DRA	154	Theater Production	THEA ELECTIVE		3	
DRA	165	Stagecraft	<b>THEA 030</b>	Stagecraft I	3	ARTS
DRA	167	Drafting for the Theatre	<b>THEA 033</b>	Mechanical Drafting	3	
DRA	178	Stage Costume	<b>THEA 031</b>	Costuming	3	
DRA	179	Stage Make-Up	<b>THEA 032</b>	Stage Makeup	3	ARTS
DRA	180	Theatre Lab I	THEA ELECTIVE		1	
DRA	181	Theatre Lab II	THEA ELECTIVE		1	
DRA	220	The American Musical	<b>THEA 123</b>	American Musical Theatre	3	ARTS
DRA	280	Theatre Lab III	THEA ELECTIVE		1	
DRA	281	Theatre Lab IV	THEA ELECTIVE		1	
DRA	305	Introduction to Audio	THEA ELECTIVE		3	
DRA	930	Devised Theatre Projects	<b>THEA 165</b>	Projects in Theatre	3	
<b>DSL</b>	144-893	Diesel Technology	CAREER-TECH			
<b>EARLY CHILDHOOD EDUCATION</b>						
ECE	103	Introduction to Early Childhood Education	EDUC ELECTIVE (2)		3	
ECE	120	Communication with Families	GENERAL ELECTIVE		2	
ECE	125	School Age Child	GENERAL ELECTIVE		2	
ECE	133	Child Health, Safety and Nutrition	EDUC ELECTIVE (1)		3	
ECE	153	Early Childhood Curriculum I with Lab	EDUC ELECTIVE (2)		4	
ECE	156	Early Childhood Curriculum II with Lab	GENERAL ELECTIVE		4	
ECE	170	Child Growth and Development	EDUC ELECTIVE (1)		3	
ECE	221	Infant/Toddler Care and Education	EDUC ELECTIVE (2)		3	
ECE	244	Early Childhood Guidance with Lab	<b>EDUC 104</b>	Education Practicum	4	

IWCC Course Number		IWCC Course Title	Drake Course Equivalent	Drake Course Title	Credits	Area of Inquiry (AOI)
ECE	258	Early Childhood Field Practicum	CAREER-TECH		6	
ECE	268	Early Childhood Field Experience	CAREER-TECH		4	
ECE	287	Exceptional Learner	SPED 120	Intro to Special Education	3	
ECE	290	Early Childhood Administration	GENERAL ELECTIVE		3	
(1) ECE 133+ECE 170=		EDUC 108 (3cr) & EDUC Elective (3cr)				
(2) ECE 103+ ECE 153+ ECE 221=		EDUC 152 (3cr) & EDUC Elective (5cr)				
<b>ECONOMICS</b>						
ECN	120	Principles of Macroeconomics	ECON 010	Prin of Macroeconomics	3	
ECN	130	Principles of Microeconomics	ECON 002	Prin of Microeconomics	3	
<b>EDUCATION</b>						
EDU	210	Foundations of Education	EDUC 103*	Foundations in Education	3	VE
EDU	235	Children's Literature	EDUC 124	Literature of Chldhd & Youth	3	
EDU	240	Educational Psychology	EDUC 108	Studnt Devlp t & Lrng Theory	3	
EDU	245	Exceptional Learner	SPED 120	Intro to Special Education	3	
*Student must complete the Education Practicum course at a community college or enroll in Drake's EDUC 104: Education Practicum						
EGR	100-470	Engineering	GENERAL ELECTIVE			
EGT	113-470	Engineering Technology	GENERAL ELECTIVE			
FLE	106-207	Electrical Technology	CAREER-TECH			
ELT	215-850	Electronic Engineering Technology	CAREER-TECH			
<b>ENGLISH COMPOSITION</b>						
ENG	084	By Title	NO CREDIT			
ENG	105	Composition I	ENG ELECTIVE		3	WRIT
ENG	106	Composition II	ENG ELECTIVE		3	WRIT
ENG	110	Writing for the Workplace	CAREER-TECH		3	
<b>ENVIRONMENTAL SCIENCE</b>						
ENV	102	Introduction to Sustainability	ENSP 035	One Earth:Glob Env Science	3	LIFE
ENV	111	Environmental Science	ENSP 035/036	One Earth:Glob Env Sci/ Lab	4	LIFE
ESL	054-061	English as a Second Language	NO CREDIT			
<b>FINANCE</b>						
FIN	121	Personal Finance	FIN 095	Managing Individual Finances	3	
FIR	101-321	Fire Science Technology	CAREER-TECH			
<b>FOREIGN LANGUAGE</b>						
FLS	141	Elementary Spanish I	SPAN 001	Beginning Spanish I	4	
FLS	142	Elementary Spanish II	SPAN 002	Beginning Spanish II	4	GLOB
FLS	241	Intermediate Spanish I	SPAN 051	Intermediate Spanish I	4	
FLS	242	Intermediate Spanish II	SPAN 052	Intermediate Spanish II	4	GLOB
<b>GEOGRAPHY</b>						
GEO	121	World Regional Geography	SCSG 003	World Regional Geo	3	GLOB
<b>GRAPHIC COMMUNICATIONS</b>						
GRA	104-141	By Title	CAREER-TECH			
GRA	148	Visual Web Design	ART ELECTIVE		3	
GRA	154	Advanced Web Design	ART ELECTIVE		3	
GRA	165	Digital 3-D	CAREER-TECH			
GRA	173	Typography	ART ELECTIVE		3	
GRA	908-949	By Title	CAREER-TECH			
HCM	100-598	Culinary Arts, Restaurant & Hospitality Manag	CAREER-TECH			
HCR	103-458	HVAC-R Technology	CAREER-TECH			
<b>HISTORY</b>						
HIS	110	Western Civ Ancient to Early Modern	HIST ELECTIVE		3	HISF

IWCC Course Number		IWCC Course Title	Drake Course Equivalent	Drake Course Title	Credits	Area of Inquiry (AOI)
HIS	111	Western Civ Early Modern to Present	HIST ELECTIVE		3	HISF
HIS	151	U.S. History to 1877	<b>HIST 075</b>	US Hist To 1877	3	HISF
HIS	152	U.S. History Since 1877	<b>HIST 076</b>	US Hist Since 1877	3	HISF
HIS	251	U.S. History 1945 to Present	<b>HIST 114</b>	US Since 1933	3	HISF
HIS	253	American Indian History and Culture	HIST ELECTIVE		3	HISF OR GLOB
HIS	257	African American History	HIST ELECTIVE		3	HISF OR GLOB
HIS	281	Local History	HIST ELECTIVE		3	HISF
<b>HEALTH SCIENCES</b>						
HSC	113	Medical Terminology	<b>HSCI 095</b>	Medical Terminology	2	
HSC	128-272	By Title	CAREER-TECH			
<b>HUMAN SERVICES</b>						
HSV	109-802	By Title	GENERAL ELECTIVE		3	
<b>HUMANITIES</b>						
HUM	122	American Film	GENERAL ELECTIVE		3	
HUM	287	Leadership Development Studies	LEAD ELECTIVE		3	
<b>INDEPENDENT STUDY</b>						
IND	109-930	Independent Study	GENERAL ELECTIVE			
<b>INTERPRETING</b>						
ITP	104-941	By Title	GENERAL ELECTIVE			
<b>JOURNALISM</b>						
JOU	110	Introduction to Mass Media	<b>JMC 030</b>	Mass Media in Gbl Society	3	INFO
JOU	211	Ethics in the Media	JMC ELECTIVE		3	VE
<b>LEO</b>	230-450	Laser Electro-Optics Technology	CAREER-TECH			
<b>LITERATURE</b>						
LIT	110	American Literature to Mid 1800's	<b>ENG 040</b>	Topics in Literary History	3	
LIT	111	American Literature since Mid 1800's	<b>ENG 060</b>	Topics in Culture & Identity	3	
LIT	130	African American Literature	<b>ENG 065</b>	Intro African American Lit	3	GLOB
LIT	134	Multicultural Literature	<b>ENG 066</b>	Reading Race & Ethnicity	3	GLOB
LIT	140	British Literature I	<b>ENG 040</b>	Topics in Literary History	3	
LIT	141	British Literature II	<b>ENG 060</b>	Topics in Culture & Identity	3	
LIT	160	Short Story/Novel	<b>ENG 030</b>	Genres	3	CRIT
LIT	169	Science Fiction & Fantasy Literature	<b>ENG 030</b>	Genres	3	CRIT
LIT	170	Poetry/Drama	<b>ENG 030</b>	Genres	3	CRIT
LIT	190	Women Writers	ENG ELECTIVE		3	
<b>MAP</b>	123-612	Medical Assistant	CAREER-TECH			
<b>MATHEMATICS</b>						
MAT	057-102	By Title	NO CREDIT			
MAT	121	College Algebra	MATH ELECTIVE		4	QUAN
MAT	129	Precalculus	<b>MATH 020</b>	Precalculus	5	QUAN
MAT	130	Trigonometry	MATH ELECTIVE		3	
MAT	157	Statistics	<b>STAT 071**</b>	Statistics I	4	QUAN
MAT	211	Calculus I	<b>MATH 050</b>	Calculus I	5	QUAN
MAT	217	Calculus II	<b>MATH 070</b>	Calculus II	5	QUAN
MAT	220	Calculus III	<b>MATH 100</b>	Calculus III	5	QUAN
MAT	225	Differential Equations	MATH ELECTIVE		3	QUAN
MAT	227	Elem Diff Equations with Laplace Transforms	MATH ELECTIVE		4	
MAT	711	Business and Financial Mathematics	CAREER-TECH		3	
MAT	743	Technical Mathematics	CAREER-TECH		3	
MAT	750	Technical Mathematics II	CAREER-TECH		5	
MAT	751	Technical Mathematics III	CAREER-TECH		5	
MAT	752	Technical Mathematics IV	CAREER-TECH		2	
MAT	908	Cooperative Education	CAREER-TECH		1-6	

IWCC Course Number	IWCC Course Title		Drake Course Equivalent	Drake Course Title	Credits	Area of Inquiry (AOI)
<b>**Pharmacy students will receive credit for STAT 060</b>						
MFG	121-420	Manufacturing	CAREER-TECH			
<b>MANAGEMENT &amp; HUMAN RESOURCES</b>						
MGT	101	Principles of Management	MGMT ELECTIVE		3	
MGT	130	Principles of Supervision	MGMT ELECTIVE		3	
MGT	138	Employee Evaluation & Training Techniques	CAREER-TECH		3	
MGT	165	Principles of Quality	CAREER-TECH		3	
MGT	170	Human Resource Management	CAREER-TECH		3	
MGT	175	Intro to Law for Managers and Supervisors	BUS ELECTIVE		3	
MGT	180	Management and Labor Relations	CAREER-TECH		3	
MGT	190	Employee Compensation & Benefits	CAREER-TECH		3	
MGT	195	Workplace Empowerment	CAREER-TECH		3	
MGT	230	Operations Management	CAREER-TECH		3	
MGT	270	Operations Production Management	<b>MGMT 120</b>	Management Operations	3	
MGT	900	Documentation & Evaluation of Experiential	NO CREDIT			
MGT	932	Internship	CAREER-TECH		1-8	
<b>MILITARY &amp; ROTC</b>						
MIL	100	Foundations of the U.S. Air Force I	MILS ELECTIVE		1	
MIL	101	Foundations of the U.S. Air Force II	MILS ELECTIVE		1	
MIL	107	Leadership Laboratory	NO CREDIT		0	
MIL	119	Intro to Critical Thinking & the Army I	MILS ELECTIVE		2	
MIL	120	Intro to Critical Thinking & the Army II	MILS ELECTIVE		2	
MIL	124	Leadership Laboratory I	NO CREDIT		0	
MIL	200	The Evolution of USAF Air & Space Power I	MILS ELECTIVE		1	
MIL	201	The Evolution of USAF Air & Space Power II	MILS ELECTIVE		1	
MIL	216	Leadership Laboratory II	NO CREDIT		0	
MIL	221	Basic Individual Leadership Techniques	<b>MILS 021</b>	Basic Military Planning	2	
MIL	222	Advanced Individual Leadership Techniques	<b>MILS 022 Lab</b>	Basic Military Planning Lab	2	
<b>MARKETING</b>						
MKT	110	Principles of Marketing	<b>MKTG 101</b>	Marketing Principles	3	
MKT	140	Principles of Selling	<b>MKTG 102</b>	Professional Selling	3	
MKT	150	Principles of Advertising	<b>JMC 076</b>	Advertising Principles	3	CRIT
MKT	154	Visual Merchandising	MKTG ELECTIVE		3	
MKT	163	Merchandising	MKTG ELECTIVE		3	
MKT	165	Retail Management	MKTG ELECTIVE		3	
MKT	184	Customer Service	CAREER-TECH		3	
MKT	185	Marketing Internship I	CAREER-TECH		2	
MKT	189	Marketing Internship II	CAREER-TECH		2	
MKT	190	International Marketing	MKTG ELECTIVE		3	
MKT	191	Seminar I: Career Options	CAREER-TECH		1	
MKT	193	Seminar II: Applications in Management	CAREER-TECH		1	
MKT	198	Sports Marketing	MKTG ELECTIVE		3	
MKT	300	Sports Marketing Internship	CAREER-TECH		1-8	
<b>ELECTRONIC MEDIA STUDIES</b>						
MMS	105-932	By Title	JMC ELECTIVE			
<b>APPLIED MUSIC</b>						
MUA	133-493	By Title	MUS ELECTIVE*			
*Music Majors: These courses will be reviewed for transfer toward the major requirements, depending on specific instrument and subject, to the same restrictions for credit as stated in the Drake General Catalog for applied music courses.						
<b>MUSIC</b>						
MUS	100	Music Appreciation	<b>MUS 080</b>	Music in Western Culture	3	ARTS
MUS	102	Music Fundamentals	<b>MUS 011</b>	Foundations of Music Theory	3	ARTS
MUS	109-124	By Title	MUS ELECTIVE			
MUS	134	Concert Choir I	<b>MUS 149</b>	Drake Choir	1	
MUS	137	Concert Band I	<b>MUS 148</b>	Band	1	

IWCC Course Number		IWCC Course Title	Drake Course Equivalent	Drake Course Title	Credits	Area of Inquiry (AOI)
MUS	141	Concert Choir II	<b>MUS 149</b>	Drake Choir	1	
MUS	142	Concert Choir III	<b>MUS 149</b>	Drake Choir	1	
MUS	182-204	By Title	MUS ELECTIVE			
MUS	213	Men's Ensemble I	<b>MUS 149</b>	Drake Choir	1	
MUS	224	Men's Ensemble II	<b>MUS 149</b>	Drake Choir	1	
MUS	232-234	By Title	MUS ELECTIVE			
MUS	238	Men's Ensemble III	<b>MUS 149</b>	Drake Choir	1	
MUS	240	Concert Choir IV	<b>MUS 149</b>	Drake Choir	1	
MUS	245	Concert Band II	<b>MUS 148</b>	Band	1	
MUS	247	Choreography I	MUS ELECTIVE		1	
MUS	248	Men's Ensemble IV	<b>MUS 149</b>	Drake Choir	1	
MUS	264	Choreography II	MUS ELECTIVE		1	
MUS	277	Jazz Lab Band	MUS ELECTIVE		1	
MUS	305-335	By Title	MUS ELECTIVE			
MUS	350-393	By Title	MUS ELECTIVE			
MUS	400-413	By Title	MUS ELECTIVE**			
MUS	430-443	By Title	MUS ELECTIVE			
MUS	444-447	By Title	MUS ELECTIVE			
MUS	935	Technical Music Internship	MUS ELECTIVE		3	
**The Dept of Music at Drake administers a proficiency exam to any student transferring a music theory & ear training sequence of courses to determine appropriate placement within Drake's sequence of courses.						
<b>NET</b>	142-810	Computer Networking	CAREER-TECH			
<b>PEA</b>	162-287	Physical Activity Courses (A maximum of 4 activity courses are transferable)	GENERAL ELECTIVE**		varies	
<b>COACHING OFFICATING</b>						
PEC	101-231	By Title	EDUC ELECTIVE			
PEC	101	Introduction to Coaching	<b>EDUC 173</b>		3	
PEC	161	Sports Officating	GENERAL ELECTIVE		3	
PEC	230	Intoduction to Sports Medicine	EDUC ELECTIVE		3	
PEC	231	Theory & Principles of Recreational Sport	GENERAL ELECTIVE		3	
<b>PEH</b>	102-908	General Physical Education & Health	GENERAL ELECTIVE			
<b>PET</b>	230-240	Physical Education Training	CAREER-TECH			
<b>PEV</b>	105-187	Intercollegiate Physiscal Education (A maximum of 4 activity courses are transferable)	GENERAL ELECTIVE**			
<b>PHILOSOPHY</b>						
PHI	101	Introduction to Philosophy	<b>PHIL 021</b>	Intro to Philosophy	3	CRIT
PHI	105	Introduction to Ethics	<b>PHIL 091</b>	Contemporary Ethical Problems	3	VE
PHI	111	Basic Reasoning	PHIL ELECTIVE		3	
PHI	142	Ethics in Business	<b>BUS 090</b>	Intro to Business Ethics	3	VE
PHI	211	Ethics in the Media	JMC ELECTIVE		3	VE
<b>PHYSICAL SCIENCE</b>						
PHS	142	Principles of Astronomy	<b>ASTR 001</b>	Descript Astronomy	3	PHSC
PHS	143	Principles of Astronomy Lab	<b>ASTR 01L</b>	Descript Astronomy Lab	1	
PHS	160	Introduction to Oceanography	PHSC ELECTIVE		3	PHSC
PHS	165	Introduction to Meteorology	<b>ENSP 022</b>	Meteorology: Sci/Weather	3	PHSC
PHS	172	Physical Geology with Lab	<b>ENSP 041</b>	Principles of Geology	4	PHSC
PHS	187	Introduction to Earth Science with Lab	<b>ENSP 041</b>	Principles of Geology	4	PHSC
<b>PHYSICS</b>						
PHY	156	General Physics I	PHY ELECTIVE(1)		4	PHSC
PHY	157	General Physics I Lab	PHY ELECTIVE(1)		1	PHSC
PHY	210	Classical Physics I (Calculus based)	PHY ELECTIVE(2)		4	PHSC
PHY	211	Classical Physics I Lab	PHY ELECTIVE(2)		1	PHSC
PHY	220	Classical Physics II (Calculus based)	PHY ELECTIVE(3)		4	PHSC
PHY	221	Classical Physics II Lab	PHY ELECTIVE(3)		1	PHSC
PHY	715	Technical Physics I	CAREER-TECH			

IWCC Course Number	IWCC Course Title	Drake Course Equivalent	Drake Course Title	Credits	Area of Inquiry (AOI)
(1) PHY 156+PHY 157=	PHY 011 (4cr) & PHY Elective (1cr)				
(2) PHY 210+PHY 211=	PHY 001 (4cr) & PHY Elective (1cr)				
(3) PHY 220+PHY 221=	PHY 002 (4cr) & PHY Elective (1cr)				
<b>PNN</b>	167-723 Practical Nursing	CAREER-TECH			
The assistant or associate dean of college or school into which the student transfers will determine whether any nursing credit may be applied toward a Drake degree.					
<b>POLITICAL SCIENCE</b>					
POL	111 American National Government	<b>POLS 001</b>	Amer Political Sys	3	
POL	112 American State and Local Government	POLS ELECTIVE		3	
POL	121 International Relations	<b>POLS 075</b>	World Politics	3	GLOB
POL	201 The United States Constitution	POLS ELECTIVE		3	
<b>PRL</b>	101-933 Paralegal and Legal Studies	CAREER-TECH			
<b>PSYCHOLOGY</b>					
PSY	111 Introduction to Psychology	<b>PSY 001*</b>	Intro to Psychology	3	LIFE
PSY	113 Personality and Adjustment	PSY ELECTIVE		3	
PSY	121 Developmental Psychology	PSY ELECTIVE		3	
PSY	210 Sport and Exercise Psychology	<b>PSY 080</b>	Sports Psychology	3	
PSY	224 Adolescent Psychology	PSY ELECTIVE		3	
PSY	241 Abnormal Psychology	<b>PSY 076</b>	Abnormal Psychology	3	
PSY	251 Social Psychology	<b>PSY 030</b>	Social Psychology	3	CRIT
PSY	261 Human Sexuality	<b>PSY 081</b>	Human Sexuality	3	
PSY	281 Educational Psychology	<b>EDUC 108</b>	Student Dev & Lrng Theory	3	
PSY	293 Issues in Psychology	PSY ELECTIVE		3	
*PSY 11 has 3 credits and it will equate to PSY 001 but with only 3 credits, due to PSY 111 not having a lab					
<b>PTA</b>	102-414 Physical Therapy Assistant	CAREER-TECH			
<b>RELIGION</b>					
REL	101 Survey of World Religions	<b>REL 003</b>	Intro to World Religions	3	GLOB
<b>STUDENT DEVELOPMENT</b>					
SDV	108 The College Experience	GENERAL ELECTIVE		1	
SDV	114 Strategies for Academic Success	GENERAL ELECTIVE		3	
SDV	130 Career Exploration	GENERAL ELECTIVE		1	
SDV	140 College Success Skills for Eng Language Learners	NO CREDIT			
SDV	165 Transfer Planning	NO CREDIT			
<b>SER</b>	118-905 Sustainable Energy Resources	CAREER-TECH			
<b>SOCIOLOGY</b>					
SOC	110 Introduction to Sociology	<b>SCSS 001</b>	Survey of Sociology	3	
SOC	115 Social Problems	SCSS ELECTIVE		3	
SOC	120 Marriage and Family	<b>SCSS 050</b>	Intimate Relations	3	
SOC	198 The Middle East	SCSS ELECTIVE		3	GLOB
SOC	200 Minority Group Relations	<b>SCSS 020</b>	Intro to Race and Ethnicity	3	GLOB
SOC	210 Men, Women and Society	SCSS ELECTIVE		3	
SOC	230 Juvenile Delinquency	SCSS ELECTIVE		3	
SOC	235 Gangs	SCSS ELECTIVE		3	
SOC	240 Criminology	SCSS ELECTIVE		3	
SOC	250 Sociology of Deviance	SCSS ELECTIVE		3	
SOC	908 Cooperative Education	CAREER-TECH		1-6	
<b>SPEECH</b>					
SPC	112 Public Speaking	<b>SCSR 073</b>	Public Speaking	3	CITZ or CRIT
SPC	120 Intercultural Communications	SCSR ELECTIVE		3	
SPC	122 Interpersonal Communication	SCSR ELECTIVE		3	
SPC	160 Voice and Diction	SCSR ELECTIVE		3	

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<b>SUR</b>	130-420	Surgical Technology	CAREER-TECH			
<b>WEL</b>	117-149	Welding	CAREER-TECH			
<b>WTT</b>	103-202	Wind Energy & Turbine Technology	CAREER-TECH			