

# **DRAKE UNIVERSITY ARTICULATION AGREEMENT**

with

## **IOWA VALLEY (MARSHALLTOWN AND ELLSWORTH) COMMUNITY COLLEGE**

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

### **AREAS OF INQUIRY DRAKE CURRICULUM**

***DRAKE GENERAL EDUCATION FOR ENTRY  
SPRING 2012 AND LATER***

Also including:

- ✓ An introduction to using this guide
- ✓ Transfer credit limits and application procedures
- ✓ Course recommendations by College & School

This articulation agreement is based on the Iowa Valley Community College 2011-2012 General Catalog and the Drake University 2011-2012 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/advantage](http://www.drake.edu/advantage) for up to date information.

**For more information please contact:**

Drake University Office of Admission  
2507 University Avenue  
Des Moines, IA 50311  
Phone: 1-800-44-DRAKE x3181  
or 1-515-271-3181 locally  
[www.drake.edu/advantage](http://www.drake.edu/advantage)

November 2011

## *Welcome!*

Welcome to the Drake University / IVCC course equivalency and transfer planning guide. We are glad that you have an interest in transferring to Drake University and hope that you will find this articulation agreement to be a useful tool in planning a smooth transition from community college to your baccalaureate program.

## *Transfer Credit*

A cumulative total of 66 semester hours of transfer credit from all two-year institutions attended may be applied to any degree from Drake University. For students PharmD students, a maximum of 179 semester hours of transfer credit will apply toward the Drake degree; for *all other majors*, a maximum of 94 semester hours of transfer credit will apply toward the Drake degree. The last 30 semester hours must be completed in residence.

## *Course Applicability*

**EQUIVALENT:** For courses from IVCC 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 Associate or Assistant Dean 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. After having been admitted, it is your responsibility to contact your Associate or Assistant Dean to begin planning the details of your degree program. It is recommended that students planning for transfer to Drake save IVCC course syllabi for in-depth review for transfer.

## *Special Notation*

Some courses from IVCC have limited application within certain Drake colleges and schools. Those courses are indicated with the following notation:

**WITH VALIDATION:** For some equivalent courses taught at Drake as upper-division courses within the College of Business and Public Administration, a student must validate the IVCC course to demonstrate acquisition of knowledge by one of three methods: passing a higher-level course at Drake within the same department; challenge testing; or CLEP examinations (when appropriate).

The Associate or Assistant Dean of the Drake college or school to which you will be granted admission can provide you with more information when you begin planning your degree program.

## *Application Procedures*

To be considered for admission, transfer students must submit a completed application for admission with the \$25 application fee (waived for online applications) and official transcripts from all institutions attended.

Notification of admission decisions takes place beginning October 1 for fall applicants whose files are complete and thereafter within three weeks of all required materials are received. Spring admission notification begins June 1. After admission, students receive an official evaluation of their transfer credits and are given the name of the Associate or Assistant Dean who will serve as their initial advisor for degree planning. Students requesting on-campus housing will receive Residence Life information with their admission letter. Orientation, registration, and financial aid information is sent later, each under separate cover.

### ***Financial Aid***

Students who are applying for financial assistance must file a FAFSA (Free Application for Federal Student Aid). Information may be found at [www.fafsa.ed.gov](http://www.fafsa.ed.gov)

Drake's code number is **001860**.

In order to meet the priority filing deadline for federal, state and institutional aid, file the FAFSA between January 1 and Mid-March.

### ***Military Service***

Military veterans may apply to receive additional credit for military service experience or military education. Please submit transcripts and the DD214 directly to the Drake University Director of Student Records, who will prepare documents to be considered by the Dean of the Drake college or school to which you are admitted. If credit is to be granted, your Dean will notify the Records office.

### ***Transfer Planning***

Students at Drake University develop individual core curriculum plans with the assistance of their faculty advisor. This core curriculum, known as the "Drake Curriculum", consists of coursework that covers ten Areas of Inquiry (AOIs):

- 1) Written Communication (WRIT)
- 2) Critical Thinking (CRIT)
- 3) Information Literacy (INFO)
- 4) Artistic Experience (ARTS)
- 5) Historical Foundations (HIST)
- 6) Global and Cultural Understanding (MULT)
- 7) Scientific Literacy (LIFE, PHSC)
- 8) Quantitative Literacy (QUAN)
- 9) Values and Ethics (VE)
- 10) The Engaged Citizen (CITZ)

IVCC courses that meet these requirements can be found beginning on page 8. Further details about the Drake Curriculum and the ten Areas of Inquiry can be found at [www.drake.edu/dc](http://www.drake.edu/dc)

### ***College of Arts and Sciences and School of Fine Arts***

Courses are accepted by Drake at their IVCC semester hour value. The list of IVCC approved courses that will fit the Drake Curriculum begins on page 8. If you plan to complete your associate degree, please work closely with your IVCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IVCC A.A. degree will be evaluated by Drake according to the Course Articulation Agreement. A maximum of 66 semester hours of transfer credit from two-year institutions will be accepted. The Associate Dean will determine how each transferred course meets specific degree requirements.

Since requirements for the many majors within the College of Arts and Sciences and School of Fine Arts are varied, it is to your advantage to contact a Drake advisor early in your enrollment at IVCC to plan a course of study that will lay a foundation for your intended major. You may contact a Drake admission counselor at 1-800-44-DRAKE, x3181, or 1-515-271-3181 locally for referral.

### ***College of Business & Public Administration***

Courses are accepted by Drake at their IVCC semester hour value. If you plan to complete your associate degree, please work closely with your IVCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IVCC A.A. degree will be evaluated by Drake according to the Course Articulation Agreement. A maximum of 66 semester hours of transfer credit from two-year institutions will be accepted. The Associate Dean will determine how each transferred course meets specific degree requirements. **Recommended IVCC classes for students planning to transfer into a business major include the following:**

ECN 120	Principles of Macroeconomics
ECN 130	Principles of Microeconomics
MAT 165	Calculus for Business <b>or</b> MAT 210 Calculus I*
MAT 156	Statistics
ACC 121	Principles of Accounting I
ACC 122	Principles of Accounting II
BUS 185	Business Law I
SPC 112	Public Speaking

Business majors should plan to take computer foundation course IS 44 – IT Applications for Business at Drake University.

\* Actuarial science majors should take MAT 210, 216 and 219. Students with questions about other courses that may be specific to certain majors should contact the Associate Dean.

### ***School of Journalism & Mass Communication***

Courses are accepted by Drake at their IVCC semester hour value. If you plan to complete your associate degree, please work closely with your IVCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses chosen to complete the A.A. degree will be evaluated by Drake according to the standard Course Articulation Agreement; a maximum of 66 semester hours of transfer credit from two-year institutions will be accepted. Transfer students majoring in journalism may transfer a maximum of 12 journalism credits. The Assistant Dean will determine how each transferred course meets specific degree requirements. **Recommended IVCC classes for students planning to transfer into the School of Journalism and Mass Communication include the following:**

JOU 110	Introduction to Mass Media
JOU 121	News Writing & reporting <b>AND</b> JOU 146 Publications Staff

Prospective Advertising majors may also include MMS 225 Advanced TV Production

## School of Education

Courses are accepted by Drake at their IVCC semester hour value. If you plan to complete your associate degree, please work closely with your IVCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IVCC A.A. degree will be evaluated by Drake according to the Course Articulation Agreement. A maximum of 66 semester hours of transfer credit from two-year institutions will be accepted. The Associate Dean will determine how each transferred course meets specific degree requirements.

### Courses recommended for education majors for Drake Curriculum Areas of Inquiry (AOI):

<b>Written Communication</b> – ENG 105 and 106	<b>Critical Thinking</b> – APC 112
<b>Artistic Experience</b> – ART 101 or MUS 100	<b>Historical Foundations</b> – HIS 151 + 152
<b>Global Understanding</b> – GEO 121	<b>Values &amp; Ethics:</b> - PHI 105
<b>Life Science</b> – BIO 105, CHM 165	<b>Physical Science</b> – CHM 165, PHY 121
<b>Quantitative Literacy</b> – MAT 129	<b>The Engaged Citizen</b> - POL 111, SPC 112

### MCC/ECC - Drake University Elementary Education Endorsements

*This partial list articulates only MCC/ECC courses that apply. Students are encouraged to contact the School of Education to discuss additional requirements in all endorsement areas.*

- A. Art
- |                              |         |
|------------------------------|---------|
| Design                       | ART 120 |
| Drawing                      | ART 133 |
| Art for Elementary Education | ART 102 |
- Contact the College of Arts & Sciences - School of Fine Arts to discuss requirements for Art Education.*
- B. Early Childhood Education  
*Contact the School of Education to discuss requirements.*
- C. English / Language Arts
- |                     |               |
|---------------------|---------------|
| British Literature  | LIT 140 + 141 |
| American Literature | LIT 110 + 111 |
| Composition         | ENG 106       |
| Expository Writing  | ENG 105       |
| Creative Writing    | ENG 221       |
- D. Foreign Language. *Students should complete the beginning two-semester sequence of their intended major language of study.*
- E. Health
- |         |         |
|---------|---------|
| Biology | BIO 105 |
|---------|---------|
- F. History
- |                      |                         |
|----------------------|-------------------------|
| Western Civilization | HIS 112 + 113           |
| U.S. History         | HIS 151 + 152, 254, 261 |
- G. Mathematics
- |                          |         |
|--------------------------|---------|
| Math for Elem. Education | MAT 117 |
| Elementary Statistics    | MAT 156 |
| Calculus I               | MAT 210 |
| Calculus II              | MAT 216 |
| Computer Science         | CIS 125 |
- H. Reading  
*Contact the School of Education to discuss requirements.*
- I. Science
- |                  |             |
|------------------|-------------|
| Biology          | BIO 105     |
| Chemistry I & II | CHM 165+175 |
| Physical Science | PHY 121     |
| Physics I        | PHY 162     |
- J. Social Studies
- |                   |         |
|-------------------|---------|
| Economics         | ECN 120 |
| American History  | HI 151  |
| Geography         | GEO 121 |
| Political Science | POL 111 |
| Psychology        | PSY 111 |
| Sociology         | SOC 110 |
- K. Speech Communication/Theater
- |                             |                    |
|-----------------------------|--------------------|
| Public Speaking             | SPC 112            |
| Interpersonal Communication | No IVCC equivalent |
| Theatre                     | DRA 102            |
| Drama                       | DRA 130            |

## MCC/ECC - Drake University Secondary Education Endorsements

*This partial list articulates only the MCC courses that apply. Students are encouraged to contact the School of Education to discuss additional requirements in all endorsement areas.*

A. Art	Design Drawing	ART 120 ART 133	
<i>Contact the College of Arts &amp; Sciences - School of Fine Arts to discuss requirements for Art Education.</i>			
B. Business - General			
Economics	CAN 120+130	Computer Science	CIS 125
College Algebra	MAT 129	Marketing	MKT 110
Accounting	ACC 121+122	Management	MGT 101
Business Law	BUS 185+186		
C. English/Lang. Arts	Speech English Literature	SPC 112 ENG 106, 221 LIT 127, 129, 163, 110, 111, 140, 141, 150, 151	
D. Foreign Languages.	<i>Students should complete the beginning two-semester sequence of their intended major language of study, and one additional semester in a second foreign language.</i>		
E. Mathematics	Calculus & Analy. Geometry I, II, III Statistics I, II Computer Science	MAT 210+216, 219 MAT 156, 158 CIS 125	
F. Science - Biology	Chemistry Biology College Algebra Physics	CHM 165+175+261+271 BIO 105, 125 MAT 129 PHY 162+172	
G. Science - Chemistry	Chemistry	CHM 165+175+261+271	
H. Earth Science	Calculus & Analy. Geometry I Chemistry Physics	MAT 210 CHM 165+175 PHY 162+172	
I. General Science	Chemistry Biology College Algebra Physics	CHM 165+175+261+271 BIO 105 MAT 129 PHY 162+172	
J. Physical Science	Calculus & Analy. Geometry I Chemistry Physics	MAT 210 CHM 165+175 PHY 162+172	
K. Physics	Physics Calculus & Analy. Geometry Chemistry	PHY 212+222 MAT 210, 216, 219 CHM 165+175	
L. Social Science - American History or American History/American Government			
	American History	HIS 151+152, 254, 261	Political Science
	Economics	ECN 120+130	Sociology
	American Gov't	POL 112	POL 111 SOC 110
M. Social Science - Geography		GEO 121	
N. Social Science - Sociology		SOC 110 SOC 115, 120	
O. Social Science - World History			
	Western Civilization	HIS 112+113	Sociology
	Economics	ECN 120+130	Geography
	Political Science	POL 111	SOC 110 GEO 121
P. Rhetoric Comm. / Theater / English			
	Public Speaking	SPC 112	
	English	ENG 106	
	American Literature	LIT 110 or 111	
	British Literature	LIT 140 or 141	
	Acting I	DRA 130	
	Oral Interpretation	DRA 141	

## College of Pharmacy & Health Science (CPHS)

Drake accepts courses at their IVCC semester-hour value. If you plan to complete your associate degree, please work closely with your IVCC advisor or counselor to select courses that will also fulfill those requirements. Additional courses chosen to complete the A.A. degree will be evaluated by Drake according to the standard Course Articulation Agreement; a maximum of 66 semester hours of transfer credit from two-year institutions will be accepted. The Associate Dean will determine how each transferred course meets specific degree requirements.

### Health Sciences

A degree in health sciences will act as a catalyst for students who want to pursue careers in health care-related fields, including positions that are clinical (**clinical and applied sciences track (C)**), administrative (**health services management track (M)**), and research (**pharmaceutical sciences track (P)**).

### Health Sciences recommended courses

IVCC	DRAKE UNIVERSITY
BIO 112 General Biology I	BIO 12/12L General Biology I
BIO 168 and 173 Anatomy & Physiology	BIO 13/13L General Biology II
BIO 186 Microbiology with Lab (P track)	BIO 095 Medical Microbiology
CHM 165&175General / Inorganic Chemistry I&II	CHEM 001/003&CHEM002/004 General ChemistryI&II
CHM 261 & 271 Organic Chemistry I & II (C and P tracks)	CHEM 107/109 & 108/110 Organic Chemistry I&II
ENG 105 or ENG 106 Composition I or Composition II and a second English Writing Course	First Year Seminar (FYS) and Written Communication AOI
MAT 156 Statistics	STAT 060 Statistics for the Life Sciences
MAT 210 or 165Calculus I (C and P tracks) or Calculus for Business/Social Sci (M track)	MATH 050 Calculus I
SPC 112 Fundamentals of Oral Communication	SCSR 073 Public Speaking

Visit [www.drake.edu/cphs](http://www.drake.edu/cphs) view additional program information.

### Pharmacy (PharmD)

Drake University offers admission to transfer applicants into the College of Pharmacy and Health Sciences at the professional program (PharmD) level, and admission is only granted for the fall semester. Admission is not offered to transfer applicants at the pre-professional level. Students who will have completed approximately 60 semester hours of academic credit and the pre-pharmacy course requirements by the end of the spring semester prior to enrollment will be considered for admission to the professional program. Detailed information on pre-requisites and admission criteria is provided at [pharmacyhs.drake.edu](http://pharmacyhs.drake.edu) and [www.drake.edu/advantage](http://www.drake.edu/advantage) All professional-program applicants must complete the application offered by the Pharmacy College Application Service (PharmCAS), which is only available at [PharmCAS.org](http://PharmCAS.org). An early application in the fall is strongly recommended. Drake is now requiring a Supplemental Application to be submitted directly to the College of Pharmacy and Health Sciences by the deadline. The Supplemental form is available to download and print from the PharmCAS website. **The deadline to apply to the professional program PharmD through PharmCAS is December 1 for the following fall semester entry. Details on the admission process will be available at [PharmCAS.org](http://PharmCAS.org) and [pharmacyhs.drake.edu](http://pharmacyhs.drake.edu) in June each year for the following year.** Applicants must have taken the PCAT no later than October to be considered for admission, and the score should have been submitted directly to PharmCAS with code 104. PCAT scores from tests prior to June 2005 cannot be considered. A minimum cumulative grade point average of 3.0 from all institutions attended and a minimum PCAT score at the 50th percentile are required for admission consideration. The College of Pharmacy and Health Sciences will select and invite the top qualified applicants from the pool of applicants to interview for a place in the class. See required prerequisites on the next page.

**PharmD required prerequisites:**

<b>IVCC</b>	<b>DRAKE UNIVERSITY</b>
BIO 112 General Biology I	BIO 12/12L General Biology I
BIO 130 Anatomy & Physiology I	BIO 13/13L General Biology II
BIO 186 Microbiology with Lab	BIO 095 Medical Microbiology
CHM 165&175 General / Inorganic Chemistry I&II	CHEM 001/003 & CHEM 002/004 General Chemistry I&II
CHM 261 & 271 Organic Chemistry I & II	CHEM 107/109 & 108/110 Organic Chemistry I&II
MAT 210 Calculus I	MATH 050 Calculus I
MAT 156 Statistics	STAT 060 Statistics for the Life Sciences
ENG 105 or ENG 106 Composition I or Composition II and a second English Writing Course	First Year Seminar (FYS) and Written Communication AOI
SPC 112 Fundamentals of Oral Communication	SCSR 073 Public Speaking

\*All math and science courses must be completed by the end of the spring term in the calendar year a student seeks to gain admission into the professional program. Admitted students will need to contact the College Office for approval if the non math/sciences courses are not completed by the end of the Spring term.

## *The Drake Curriculum*

Most courses are accepted by Drake at their IVCC 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. If you plan to complete the IVCC A.A. degree, please work closely with your IVCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IVCC A.A. degree will be evaluated by Drake according to the Course Equivalency Guide Articulation Agreement. 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. See <http://www.drake.edu/advantage/academics/ap-ib-clep.php> for more information. 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.

### **FIRST YEAR SEMINAR**

The First Year Seminar is waived with at least 30 hours of transfer credit

### **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
ART 203	Art History I
ART 204	Art History II
DRA 102	Elements of Theatre
DRA 110	Introduction to Film
DRA 165	Stagecraft
MUS 100	Music Appreciation
MUS 205	Jazz History & Appreciation

## 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
LIT 120	American Novel
MAT 158	Statistics II
PHI 101	Introduction to Philosophy
PHI 105	Intro to Ethics
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

\*This course must be taken at Drake since IVCC does not offer an equivalent at this time.

## GLOBAL AND CULTURAL UNDERSTANDING (MULT)

*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
CLS 150	Latin American History & Culture
CLS 163	Thai Culture
FLR 142	Elementary Russian II
FLR 242	Intermediate Russian II
FLS 142	Elementary Spanish II
FLS 242	Intermediate Spanish II
GEO 121	World Regional Geography
HIS 214	Russian History & Culture
HIS 257	African American History
LIT 150	World Literature I
LIT 151	World Literature II
REL 101	Survey of World Religions

## HISTORICAL FOUNDATIONS (HIST)

*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

ART 203	Art History I
ART 204	Art History II
HIS 112	Western Civil: Ancient to Early Mdrn
HIS 113	Western Civil: Early Modern to Present
HIS 151	U.S. History to 1877
HIS 152	U.S. History since 1877
HIS 214	Russian History & Culture
HIS 254	American Indian History
HIS 257	African American History
HIS 261	American Civil War

## 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

GIS 111	Intro to Geographic Info Systems
JOU 110	Intro 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

BUS 235	Calculus for Business & Social Science
MAT 110	Math for Liberal Arts
MAT 117	Math for Elementary Teachers
MAT 121	College Algebra
MAT 129	Precalculus
MAT 140	Finite Math
MAT 156	Statistics
MAT 158	Statistics II
MAT 165	Business Calculus
MAT 210	Calculus I
MAT 216	Calculus II
MAT 219	Calculus III

## 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 111	General Biology
BIO 112	General Biology I
CHM 122	Introduction to General Chemistry
CHM 271	Organic Chemistry II
PSY 111	Introduction to Psychology

### **One Physical Science**

CHM 122	Introduction to General Chemistry
CHM 165	General Chemistry I
CHM 271	Organic Chemistry II
PHS 120	Exploring Physical Science
PHS 142	Principles of Astronomy
PHY 106	Survey of Physics
PHY 121	Elements of Physics
PHY 162	College Physics I
PHY 212	Classical Physics I

## 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
PHI 105	Intro to Ethics

## 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
ENG 111	Technical Writing
ENG 155	Honors Composition I
ENG 156	Honors Composition II
ENG 221	Creative Writing
LIT 141	British Literature II

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
<b>ACC</b>					
ACC 111	Introduction to Accounting	ACCT ELECTIVE		3	
ACC 112	Introduction to Accounting II	ACCT ELECTIVE		3	
ACC 121	Principles of Accounting I	<b>ACCT 041</b>	Intro to Financial Accounting	3	CRIT
ACC 122	Principles of Accounting II	<b>ACCT 042</b>	Intro to Managerial Accounting	3	
ACC 161	Payroll Accounting	ACCT ELECTIVE		3	
ACC 211	Intermediate Accounting I	ACCT ELECTIVE		3	
ACC 212	Intermediate Accounting II	ACCT ELECTIVE		3	
ACC 221	Cost Accounting	ACCT ELECTIVE		3	
ACC 261	Income Tax Accounting	ACCT ELECTIVE		3	
ACC 311	Computer Accounting	<b>ACCT 080</b>	Accounting Info Systems	3	
ACC 907	CO-OP Field Experience	ACCT ELECTIVE		Varies	
ACC 917	Experimental Course	ACCT ELECTIVE		Varies	
ACC 929	Individual Projects	ACCT ELECTIVE		Varies	
ACC 946	Seminar	ACCT ELECTIVE		Varies	
<b>ADM</b>	Administrative Assistant	Career-Tech			
<b>A D N</b>	Associate Degree-Nursing	The assistant or associate dean of the college or school into which the student transfers will determine whether any nursing credits may be applied toward a Drake degree.			
<b>AGA</b>	Agriculture-Agronomy	Career-Tech			
<b>AGB</b>	Agriculture-Farm Management	Career-Tech			
<b>AGC</b>	Agriculture - Comprehensive	Career-Tech			
<b>AGE</b>	Agriculture-Equine	Career-Tech			
<b>AGH</b>	Agriculture-Horticulture	Career-Tech			
<b>AGM</b>	Agriculture-Mechanics	Career-Tech			
<b>AGP</b>	Agriculture-Precision Ag	Career-Tech			
<b>AGS</b>	Agriculture-Animal Science	Career-Tech			
<b>ANT</b>					
ANT 105	Cultural Anthropology	<b>SCSA 002</b>	Intro to Cultural Anthropology	3	MULT
<b>APP</b>	Apparel Merchandising	Career-Tech			
<b>ART</b>					
ART 101	Art Appreciation	<b>ART 074</b>	Introduction to Art	3	ARTS
ART 102	Art for Elementary Education	<b>EDUC 083</b>	Special Methods in Art	3	
ART 120	2-D Design	<b>ART 013</b>	2-D Design	3	ARTS
ART 123	3-D Design	<b>ART 014</b>	3-D Design	3	ARTS
ART 124	Computer Art	ART ELECTIVE		3	
ART 133	Drawing	<b>ART 015</b>	Drawing I	3	ARTS
ART 134	Drawing II	<b>ART 016</b>	Drawing II	3	
ART 135	Drawing III	<b>ART 065</b>	Intermediate Drawing I	3	
ART 143	Painting	<b>ART 063</b>	Painting I	3	
ART 144	Painting II	<b>ART 064</b>	Painting II	3	
ART 163	Sculpture	<b>ART 079</b>	Sculpture I	3	
ART 164	Sculpture II	<b>ART 080</b>	Sculpture II	3	
ART 173	Ceramics	ART ELECTIVE		3	
ART 174	Ceramics II	ART ELECTIVE		3	
ART 184	Photography	ART ELECTIVE		3	
ART 185	Photography II	ART ELECTIVE		3	
ART 187	Creative Photography	ART ELECTIVE		3	
ART 203	Art History I	<b>ART 075</b>	Themes in Art History	3	HIST, ARTS
ART 204	Art History II	<b>ART 075</b>	Themes in Art History	3	HIST, ARTS
ART 907	Co-op Field Experience	ART ELECTIVE		Varies	
ART 917	Experimental Course	ART ELECTIVE		Varies	
ART 929	Individual Projects	ART ELECTIVE		Varies	
<b>ASL</b>					
ASL 131	American Sign Language I	GENERAL ELECTIVE		3	
ASL 161	American Sign Language II	GENERAL ELECTIVE		3	
ASL 917	Experimental Course	GENERAL ELECTIVE		Varies	

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
<b>AUT</b>	Automotive Technology	Career-Tech			
<b>BCA</b>	Business Computer Application	Career-Tech if numbered 100 or higher; No credit for lower than 100			
<b>BIO</b>					
BIO 105	Introductory Biology	<b>BIO 001, 001L</b>	Biological Sciences-Non-Majors	4	LIFE
BIO 111	General Biology	BIO ELECTIVE		4	LIFE
BIO 112	General Biology I	<b>BIO 012, 012L</b>	General / Pre-Prof Bio I	4	LIFE
BIO 113	General Biology II	<b>BIO 013, 013L</b>	General / Pre-Prof Bio II	4	
BIO 132	Animal Care & Rehabilitation	BIO ELECTIVE		2	
BIO 138	Field Ecology	<b>BIO 118L</b>	Ecology Lab	3	
BIO 140	Field Ecology II	<b>BIO 110</b>	Iowa Natural History	2	
BIO 142	Ecological Concepts	<b>BIO 117</b>	Ecology	3	
BIO 143	Iowa Habitats: Ecology & Man	BIO ELECTIVE		Varies	
BIO 144	Field Biology: Spring Flowers	BIO ELECTIVE		1	
BIO 146	Genetics	<b>BIO 105</b>	Intro to Genetics	3	
BIO 148	Human Genetics	<b>BIO 185</b>	Human Genetics	3	
BIO 151	Nutrition	BIO ELECTIVE		3	
BIO 168	Human Anatomy & Physiology	BIO ELECTIVE*		4	
BIO 173	Human Anatomy & Physiology	BIO ELECTIVE*		4	
BIO 177	Human Anatomy	BIO ELECTIVE		4	
BIO 180	Human Physiology	BIO ELECTIVE		4	
BIO 186	Microbiology	<b>BIO 103**</b>	Microbiology	4	
BIO 190	Introductory Biotechnology	BIO ELECTIVE		3	
BIO 192	Laboratory Technology 1	BIO ELECTIVE		1	
BIO 193	Laboratory Technology 2	BIO ELECTIVE		1	
BIO 194	Government Regulations	BIO ELECTIVE		2	
BIO 238	Field Ecology II	BIO ELECTIVE		3	
BIO 245	Genetic Engineering	BIO ELECTIVE		3	
BIO 290	Tissue Culture	BIO ELECTIVE		4	
BIO 532	Human Body: Health & Disease	BIO ELECTIVE		3	
BIO 907	Co-op Field Experience	BIO ELECTIVE		Varies	
BIO 917	Experimental Course	BIO ELECTIVE		Varies	
BIO 927	Honors Study	BIO ELECTIVE		Varies	
BIO 929	Individual Projects	BIO ELECTIVE		Varies	
*BIO 168 + BIO 173 together equate to Drake's BIO 018 and 018L					
**Pharmacy students will receive credit for BIO 095					
<b>BPT</b>	Bioprocess Technology	Career-Tech			
<b>BUS</b>					
BUS 102	Introduction to Business	BUS ELECTIVE		3	
BUS 111	Business Mathematics	Career-Tech		2	
BUS 130	Intro to Entrepreneurship	BUS ELECTIVE		3	
BUS 141	Small Business Startup	Career-Tech		3	
BUS 150	E-Commerce	BUS ELECTIVE		3	
BUS 161	Human Relations	Career-Tech		3	
BUS 182	Intro to Law	BUS ELECTIVE		3	
BUS 185	Business Law I	<b>BLAW 060</b>	Business Law I	3	CRIT, VE
BUS 186	Business Law II	<b>BLAW 120</b>	Business Law II	3	
BUS 220	Intro to International Business	BUS ELECTIVE		3	
BUS 230	Quant. Methods for Business	BUS ELECTIVE		3	
BUS 235	Calculus for Business & Soc	<b>MATH 028</b>	Business Calculus	3	QUAN
BUS 291	Employment Portfolio and Car	Career-Tech		2	
BUS 917	Experimental Course	BUS ELECTIVE		Varies	
BUS 929	Individual Projects	BUS ELECTIVE		Varies	
BUS 932	Internship	Career-Tech		Varies	
<b>CAD</b>	Computer Aided Drafting	Career-Tech			
<b>CHM</b>					
CHM 101	Fundamentals of Chemistry	CHEM ELECTIVE		3	

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
CHM 122	Introduction to General Chem	CHEM ELECTIVE		4	LIFE, PHSC
CHM 165	General Chemistry I	<b>CHEM 001,003</b>	General Chemistry I	4	PHSC
CHM 175	General Chemistry II	<b>CHEM 002,004</b>	General Chemistry II	4	
CHM 210	Analytical Instrumentation	CHEM ELECTIVE		4	
CHM 261	Organic Chemistry I	<b>CHEM 097,098</b>	Organic Chemistry I	4	
CHM 271	Organic Chemistry II	<b>CHEM 108,110</b>	Organic Chemistry II	4	LIFE, PHSC
CHM 290	Survey of Biochemistry	<b>CHEM 130</b>	Biochemistry	3	
CHM 917	Experimental Course	CHEM ELECTIVE		Varies	
CHM 929	Individual Projects	Varies by Topic		Varies	
<b>CIS</b>					
CIS 125	Intro to Programming Logic/w	CS ELECTIVE		3	
CIS 126	Intro to Programming Logic/w	CS ELECTIVE		4	
CIS 152	Data Structures	CS ELECTIVE		3	
CIS 161	C++	CS ELECTIVE		3	
CIS 207	Fundamentals of Web Progra	Career-Tech		3	
CIS 402	Cobol	CS ELECTIVE		3	
CIS 503	Intro to Systems Analysis	CS ELECTIVE		2	
CIS 504	Structured Systems Analysis	Career-Tech		3	
CIS 582	Assembler	CS ELECTIVE		3	
CIS 588	Computer Organization	Career-Tech		3	
CIS 917	Experimental Course	Varies by Topic		Varies	
CIS 929	Individual Projects	Varies by Topic		Varies	
CIS 952	Topics	Varies by Topic		Varies	
<b>CLS</b>					
CLS 150	Latin American History & Cult	GENERAL ELECTIVE		3	MULT
CLS 163	Thai Culture	GENERAL ELECTIVE		3	MULT
CLS 917	Experimental Course	GENERAL ELECTIVE		Varies	
<b>CNS</b>	Conservation Technology	Career-Tech			
<b>COM</b>					
COM 712	Business Communications	Career-Tech		3	
<b>CON</b>	Construction	Career-Tech			
<b>CRJ</b>					
CRJ 100	Intro to Criminal Justice	GENERAL ELECTIVE		3	
CRJ 101	Ethics in Criminal Justice	GENERAL ELECTIVE		3	
CRJ 110	Patrol Procedures	Career-Tech		3	
CRJ 120	Introduction to Corrections	GENERAL ELECTIVE		3	
CRJ 130	Criminal Law	GENERAL ELECTIVE		3	
CRJ 133	Constitutional Criminal Proce	GENERAL ELECTIVE		3	
CRJ 141	Criminal Investigation	GENERAL ELECTIVE		3	
CRJ 145	Police Photography	Career-Tech		3	
CRJ 200	Criminology	SCSS ELECTIVE		3	
CRJ 201	Juvenile Delinquency	GENERAL ELECTIVE		3	
CRJ 210	Law Enforcement Managemen	Career-Tech		3	
CRJ 211	Multicultural Policing	Career-Tech		3	
CRJ 212	Community-Oriented Policing	Career-Tech		3	
CRJ 251	Firearms	Career-Tech		3	
CRJ 907	Co-op Field Experience	Career-Tech		3	
CRJ 917	Experimental Course	Career-Tech		Varies	
CRJ 929	Individual Projects	Varies by Topic		Varies	
<b>CSC</b>					
CSC 118	Computer Systems & Applica	CS ELECTIVE		3	
CSC 119	Computer Systems & Apps II	CS ELECTIVE		3	
CSC 120	Computer Systems & Apps III	CS ELECTIVE		3	
<b>DEA</b>	Dental Assistant	Career-Tech			
<b>DRA</b>					
DRA 102	Elements of Theatre	<b>THEA 076</b>	Intro to Theatre	3	ARTS

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
DRA 110	Introduction to Film	<b>ENG 070</b>	Intro to Film Study	3	ARTS
DRA 120	Intro to Stage Management	THEA ELECTIVE		3	
DRA 130	Acting I	<b>THEA 003</b>	Technique of Acting I	3	
DRA 145	Oral Interpretation	THEA ELECTIVE		3	
DRA 150	Play Production	THEA ELECTIVE		Varies	
DRA 160	Production Studio	<b>THEA 030 Lab</b>	Stagecraft I lab	Varies	
DRA 164	Drafting Scenery	<b>THEA 033</b>	Mechanical Drafting	3	
DRA 165	Stagecraft	<b>THEA 030</b>	Stagecraft I (no lab)	3	ARTS
DRA 169	Drafting Light Plots	THEA ELECTIVE		2	
DRA 190	Lighting Design Tech I	THEA ELECTIVE		3	
DRA 191	Lighting Design Tech II	THEA ELECTIVE		3	
DRA 193	Sound Design Technology	THEA ELECTIVE		3	
DRA 195	Scene Design Tech I	THEA ELECTIVE		3	
DRA 196	Scene Design Tech II	THEA ELECTIVE		3	
DRA 197	Prop Design Tech I	THEA ELECTIVE		3	
DRA 198	Prop Design Tech II	THEA ELECTIVE		3	
DRA 917	Experimental Course	THEA ELECTIVE		Varies	
DRA 929	Individual Projects	THEA ELECTIVE		Varies	
DRA 932	Summer Repertory Internship	No credit		3	
DRA 953	Theater Practicum	Career-Tech		Varies	
<b>ECE</b>					
ECE 103	Intro to Early Childhood Ed	GENERAL ELECTIVE		3	
ECE 133	Child Health, Safety, & Nutrition	GENERAL ELECTIVE		3	
ECE 158	Early Childhood Curriculum I	GENERAL ELECTIVE		3	
ECE 159	Early Childhood Curriculum II	ELECTIVE (1)		3	
ECE 243	Early Childhood Guidance	ELECTIVE (1)		3	
ECE 270	Practicum in Child Care I	GENERAL ELECTIVE		3	
ECE 271	Practicum in Child Care II	GENERAL ELECTIVE		3	
ECE 280	Student Teaching in Child Care	Career-Tech		5	
ECE 290	Early Childhood Program Administration	GENERAL ELECTIVE		3	
ECE 917	Experimental Course	Career-Tech		Varies	
ECE 929	Individual Projects	Career-Tech		Varies	
(1) ECE 159 and ECE 243 together are equivalent to Drake's EDUC 153 (3cr) & EDUC Elective (3cr)					
<b>ECN</b>					
ECN 115	Personal Finance	ECON ELECTIVE		3	
ECN 120	Principles of Macroeconomics	<b>ECON 001</b>	Principles of Macroeconomics	3	
ECN 130	Principles of Microeconomics	<b>ECON 002</b>	Principles of Microeconomics	3	
ECN 907	Co-op Field Experience	Career-Tech		Varies	
ECN 917	Experimental Course	ECON ELECTIVE		Varies	
ECN 929	Individual Projects	ECON ELECTIVE		Varies	
<b>EDU</b>					
EDU 126	Observation & Mgt / Behavior	EDUC ELECTIVE		3	
EDU 140	Sign Language Shorthand	EDUC ELECTIVE		1	
EDU 160	Human Growth & Development	<b>EDUC 105 or 106</b>	Human Development	3	
EDU 175	Intro/ Human Disabilities & Svcs	EDUC ELECTIVE		3	
EDU 213	Introduction to Education	EDUC ELECTIVE		3	
EDU 235	Children's Literature	<b>EDUC 124</b>	Literature of Childhood & Youth	3	
EDU 240	Educational Psychology	<b>EDUC 105 or 106</b>	Human Development	3	
EDU 245	Exceptional Learner	<b>SPED 120</b>	Intro to Special Education	3	
EDU 255	Technology in the Classroom	EDUC ELECTIVE		3	
EDU 282	Field Experience: Exploring Teaching	EDUC ELECTIVE		1	
EDU 917	Experimental Course	EDUC ELECTIVE			
EDU 929	Individual Projects	EDUC ELECTIVE			
<b>EGT</b>	Engineering Technology	Career-Tech			
<b>ELE</b>	Electrical	Career-Tech			
<b>ELT</b>	Electronics	Career-Tech			

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
<b>ENG</b>					
ENG 002-061		No credit			
ENG 105	Composition I	<b>ENG 001</b>	Seminar in Reading & Writing	3	WRIT
ENG 106	Composition II	ENG ELECTIVE		3	WRIT
ENG 111	Technical Writing	<b>ENG 094</b>	Business and Admin Writing	3	WRIT
ENG 155	Honors Composition I	ENG ELECTIVE		3	WRIT
ENG 156	Honors Composition II	ENG ELECTIVE		3	WRIT
ENG 210	Adv. Critical Thinking in Writing	ENG ELECTIVE		3	
ENG 221	Creative Writing	ENG ELECTIVE		3	WRIT
ENG 917	Experimental Course	ENG ELECTIVE		Varies	
ENG 929	Individual Projects	ENG ELECTIVE		Varies	
<b>ENV</b>					
ENV 115	Environmental Science	ENSP ELECTIVE		3	
ENV 120	Environmental Biology	ENSP ELECTIVE		3	
ENV 122	Environmental Biology	<b>BIO 117</b>	Ecology	4	
ENV 917	Experimental Course	ENSP ELECTIVE		Varies	
<b>ESL</b>					
No credit					
<b>FIN</b>					
FIN 101	Principles of Banking	FIN ELECTIVE		3	
FIN 105	AIB Principles of Banking	FIN ELECTIVE		2	
FIN 180	Introduction to Investments	<b>FIN 095</b>	Managing Indiv Finances	3	
FIN 917	Experimental Course	FIN ELECTIVE		Varies	
FIN 929	Individual Projects	FIN ELECTIVE		Varies	
<b>FIR</b>					
Fire Science Career-Tech					
<b>FLR</b>					
FLR 141	Elementary Russian I	<b>RUSS 001</b>	Beginning Russian I	4	
FLR 142	Elementary Russian II	<b>RUSS 002</b>	Beginning Russian II	4	MULT
FLR 241	Intermediate Russian I	<b>RUSS 051</b>	Intermediate Russian I	4	
FLR 242	Intermediate Russian II	<b>RUSS 052</b>	Intermediate Russian II	4	MULT
FLR 917	Experimental Course	RUSS ELECTIVE		Varies	
FLR 929	Individual Projects	RUSS ELECTIVE		Varies	
<b>FLS</b>					
NO CREDIT					
FLS 030-128					
FLS 141	Elementary Spanish I	<b>SPAN 001</b>	Beginning Spanish I	4	
FLS 142	Elementary Spanish II	<b>SPAN 002</b>	Beginning Spanish II	4	MULT
FLS 241	Intermediate Spanish I	<b>SPAN 051</b>	Intermediate Spanish I	4	
FLS 242	Intermediate Spanish II	<b>SPAN 052</b>	Intermediate Spanish II	4	MULT
FLS 917	Experimental Course	SPAN ELECTIVE		Varies	
FLS 929	Individual Projects	SPAN ELECTIVE		Varies	
<b>GEO</b>					
GEO 121	World Regional Geography	<b>SCSG 003</b>	World Regional Geography	3	MULT
GEO 917	Experimental Course	SCSG ELECTIVE		Varies	
GEO 929	Individual Projects	SCSG ELECTIVE		Varies	
<b>GIS</b>					
GIS 111	Intro to Geographic Info Syst	<b>ENSP 065</b>	Geographic Info Systems	3	INFO
<b>GRA</b>					
GRA 110	Graphic Arts Principles	Career-Tech		3	
GRA 127	Illustrator I	Career-Tech		3	
GRA 140	Digital Imaging	Career-Tech		3	
GRA 141	Digital Imaging II	Career-Tech		3	
GRA 917	Experimental Course	Career-Tech		Varies	
<b>HCR</b>					
Heating & Air Conditioning Career-Tech					
<b>HEQ</b>					
Heavy Equipment Career-Tech					
<b>HIS</b>					
HIS 112	Western Civil: Ancient to Early	HIST ELECTIVE		4	HIST
HIS 113	Western Civil: Early Modern to	HIST ELECTIVE		4	HIST

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
HIS 151	U.S. History to 1877	<b>HIST 075</b>	U.S. History to 1877	3	HIST
HIS 152	U.S. History since 1877	<b>HIST 076</b>	U.S. History since 1877	3	HIST
HIS 214	Russian History & Culture	HIST ELECTIVE		3	HIST, MULT
HIS 254	American Indian History	HIST ELECTIVE		3	HIST
HIS 257	African American History	HIST ELECTIVE		3	HIST, MULT
HIS 261	American Civil War	HIST ELECTIVE		2	HIST
HIS 917	Experimental Course	HIST ELECTIVE		Varies	
HIS 929	Individual Projects	HIST ELECTIVE		Varies	
<b>HSC</b>	Health Sciences	Career-Tech			
<b>HUM</b>					
HUM 118	Hum.: Experience & Express	GENERAL ELECTIVE		Varies	
HUM 287	Leadership Development Stud	GENERAL ELECTIVE		3	
HUM 917	Experimental Course	Varies by Topic		Varies	
<b>IND</b>	Industrial Technology	Career-Tech			
<b>JOU</b>					
JOU 110	Intro to Mass Media	<b>JMC 030</b>	Communications in Society	3	INFO
JOU 121	Newswriting and Reporting	ELECTIVE <sup>1</sup>		3	
JOU 146	Publications Staff	ELECTIVE <sup>1</sup>		1	
JOU 917	Experimental Course	JMC ELECTIVE		Varies	
JOU 929	Individual Projects	JMC ELECTIVE		Varies	
1 NOTE: JOU 121 and JOU 146 together are the equivalent of Drake's <b>JMC 054</b> - Reporting & Writing Principles					
<b>LIT</b>					
LIT 101	Introduction to Literature	ENG ELECTIVE		3	
LIT 110	American Literature to Mid-18	ENG ELECTIVE		3	
LIT 111	American Literature since Mid	ENG ELECTIVE		3	
LIT 120	American Novel	<b>ENG 030</b>	Genres	3	CRIT
LIT 127	American Folklore	ENG ELECTIVE		1	
LIT 129	African American Literature	ENG ELECTIVE		1	
LIT 133	Minority Voices in US Literatu	ENG ELECTIVE		3	
LIT 140	British Literature I	ENG ELECTIVE		3	
LIT 141	British Literature II	<b>ENG 044</b>	Approaches to British Lit	3	WRIT
LIT 150	World Literature I	<b>ENG 020</b>	Literature and Culture	3	MULT
LIT 151	World Literature II	<b>ENG 020</b>	Literature and Culture	3	MULT
LIT 162	The Short Novel	ENG ELECTIVE		1	
LIT 163	The Short Story	ENG ELECTIVE		1	
LIT 164	Modern Short Novel	ENG ELECTIVE		3	
LIT 179	Mythology	ENG ELECTIVE		2	
LIT 187	Detective Fiction	ENG ELECTIVE		2	
LIT 199	Literature of the Fantastic	ENG ELECTIVE		3	
LIT 917	Experimental Course	ENG ELECTIVE		Varies	
LIT 929	Individual Projects	ENG ELECTIVE		Varies	
<b>MAP</b>	Medical Assistant	Career-Tech			
<b>MAT</b>					
MAT 005-072		NO CREDIT			
MAT 110	Math for Liberal Arts	<b>MATH 017</b>	Spirit of Mathematics	3	QUAN
MAT 117	Math for Elementary Teachers	<b>MATH 025</b>	Structure Math Elem Education	3	QUAN
MAT 121	College Algebra	MATH ELECTIVE		4	QUAN
MAT 129	Precalculus	<b>MATH 020</b>	College Algebra	5	QUAN
MAT 132	Algebra, Geometry & Trig	NO CREDIT		4	
MAT 140	Finite Math	MATH ELECTIVE		3	QUAN
MAT 156	Statistics	<b>STAT 071*</b>	Statistics I	3	QUAN
MAT 158	Statistics II	<b>STAT 072</b>	Statistics II	3	CRIT, QUAN
MAT 165	Business Calculus	<b>MATH 028</b>	Business Calculus	3	QUAN
MAT 210	Calculus I	<b>MATH 050</b>	Calculus I	4	QUAN
MAT 216	Calculus II	<b>MATH 070</b>	Calculus II	4	QUAN
MAT 219	Calculus III	<b>MATH 100</b>	Calculus III	4	QUAN

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
MAT 720-791		NO CREDIT			
MAT 917	Experimental Course	Indiv Basis		Varies	
*Pharmacy students will receive credit for STAT 060					
<b>MFG</b>	Manufacturing	Career-Tech			
<b>MGT</b>					
MGT 101	Principles of Management	MGMT ELECTIVE		3	
MGT 130	Principles of Supervision	MGMT ELECTIVE		3	
<b>MKT</b>					
MKT 110	Principles of Marketing	<b>MKTG 101</b>	Marketing Principles	3	
MKT 140	Principles of Selling	MKTG ELECTIVE		3	
MKT 150	Principles of Advertising	<b>JMC 076</b>	Advertising Principles	3	
MKT 160	Principles of Retailing	Career-Tech		3	
MKT 162	Retail Merchandising	MKTG ELECTIVE		3	
MKT 907	Co-op Field Experience	Career-Tech		Varies	
MKT 917	Experimental Course	Career-Tech		Varies	
MKT 929	Individual Projects	Career-Tech		Varies	
MKT 945	Seminar in Business I	Career-Tech		Varies	
MKT 946	Seminar in Business II	Career-Tech		1	
<b>MMS</b>					
MMS 105	Audio Production	JMC ELECTIVE		3	
MMS 140	Radio-TV Writing	JMC ELECTIVE		3	
MMS 207	Post Production Editing	JMC ELECTIVE		1	
MMS 225	Advanced TV Production	<b>JMC 057</b>	Video Production	3	
MMS 236	TV News Production	JMC ELECTIVE		3	
MMS 245	Intro to Virtual Reality	JMC ELECTIVE		3	
MMS 250	Multimedia Design	JMC ELECTIVE		3	
MMS 932	Internship	Career-Tech		5	
<b>MUA</b>					
MUA 101	Applied Voice	ELECTIVE <sup>2</sup>		1	
MUA 102	Applied Voice II	ELECTIVE <sup>2</sup>		1	
MUA 120	Applied Piano	ELECTIVE <sup>2</sup>		1	
MUS 122	Applied Organ	ELECTIVE <sup>2</sup>		1	
MUA 124	Applied Guitar	ELECTIVE <sup>2</sup>		1	
MUA 126	Applied Strings	ELECTIVE <sup>2</sup>		1	
MUA 143	Applied Brass	ELECTIVE <sup>2</sup>		1	
MUA 170	Applied Woodwinds	ELECTIVE <sup>2</sup>		1	
MUA 171	Applied Woodwinds II	ELECTIVE <sup>2</sup>		1	
MUA 180	Applied Percussion	ELECTIVE <sup>2</sup>		1	
MUA 220	Applied Piano II	ELECTIVE <sup>2</sup>		1	
<sup>2</sup> 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>MUS</b>					
MUS 100	Music Appreciation	<b>MUS 080</b>	Music in Western Culture	3	ARTS
MUS 120	Music Theory I	ELECTIVE <sup>1</sup>		3	
MUS 121	Music Theory II	ELECTIVE <sup>1</sup>		3	
MUS 140	Concert Choir	<b>MUS 149</b>	Drake Choir	1	
MUS 145	Concert Band	<b>MUS 148</b>	Band	1	
MUS 148	College Community Band	<b>MUS 148</b>	Band	1	
MUS 149	Pep Band	MUS ELECTIVE		1	
MUS 150	Chamber Ensemble	MUS ELECTIVE		1	
MUS 152	Vocal Ensemble	MUS ELECTIVE		1	
MUS 162	Instrumental Ensembles	MUS ELECTIVE		1	
MUS 205	Jazz History & Appreciation	<b>MUS 078</b>	Intro to Jazz	3	ARTS

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
MUS 206	Modern Music	MUS ELECTIVE		3	
MUS 907	Co-op Field Experience	MUS ELECTIVE		Varies	
MUS 917	Experimental Course	MUS ELECTIVE		Varies	
MUS 929	Individual Projects	MUS ELECTIVE		Varies	
<sup>1</sup> Students will be evaluated individually for appropriate music theory placement. Credits will be reassigned as equivalents to Drake's music theory sequence, when appropriate, after proficiency testing has been completed.					
<b>NET</b>	Computer Networking	Career-Tech			
<b>PEA</b>	Physical Education Activities	GENERAL ELECTIVES*			
*A maximum of 4 credit hours of physical education activity credit will be accepted.					
<b>PEC</b>					
PEC 102	Coaching Authorization	GENERAL ELECTIVE		5	
PEC 105	Coaching Ethics	GENERAL ELECTIVE		0.5	
PEC 109	Coaching Ethics, Techniques	GENERAL ELECTIVE		1.5	
PEC 115	Athletic Dev & Human Growth	GENERAL ELECTIVE		1	
PEC 120	Body Structure & Function	GENERAL ELECTIVE		1	
PEC 130	Care & Prevention of Athletic	GENERAL ELECTIVE		1.5	
PEC 151	Theory of Coaching Soccer	GENERAL ELECTIVE		2	
PEC 180	Sports Off:Ftball, Wrstlng, Vo	GENERAL ELECTIVE		2	
PEC 182	Sports Off:Bsktbl, Sfttbl, Btbl	GENERAL ELECTIVE		2	
PEC 917	Experimental Course	GENERAL ELECTIVE		Varies	
<b>PEH</b>					
PEH 102	Health	GENERAL ELECTIVE		3	
PEH 110	Personal Wellness	GENERAL ELECTIVE		2	
PEH 142	First Aid	GENERAL ELECTIVE		3	
PEH 150	Basic Cardiac Life Support	GENERAL ELECTIVE		1	
PEH 161	Introduction to Physical Educa	GENERAL ELECTIVE		2	
PEH 175	Sports Psychology	GENERAL ELECTIVE		2	
PEH 210	Elementary Physical Educatio	GENERAL ELECTIVE		3	
PEH 220	Lifestyle Management	GENERAL ELECTIVE		1	
PEH 250	Swimming Pool Management	GENERAL ELECTIVE		1	
PEH 255	Principles of Sports Managem	GENERAL ELECTIVE		3	
PEH 256	Current Issues in Sports Mana	GENERAL ELECTIVE		3	
PEH 260	Recreational Leadership	GENERAL ELECTIVE		3	
PEH 917	Experimental Course	GENERAL ELECTIVE		Varies	
PEH 932	Internship	GENERAL ELECTIVE		3	
PEH 929	Individual Projects	GENERAL ELECTIVE		Varies	
<b>PET</b>	All courses	Career-Tech			
<b>PEV</b>	Intercollegiate Physical Educa	GENERAL ELECTIVES*			
*A maximum of four (4) credits of physical education activity credits will transfer as electives to Drake.					
<b>PHI</b>					
PHI 101	Introduction to Philosophy	<b>PHIL 021</b>	Introduction to Philosophy	3	CRIT
PHI 105	Intro to Ethics	<b>PHIL 090</b>	Ethics	3	CRIT, VE
PHI 917	Experimental Course	PHIL ELECTIVE		Varies	
PHI 927	Honors Study	PHIL ELECTIVE		Varies	
<b>PHS</b>					
PHS 120	Exploring Physical Science	<b>PHSC 001</b>	Physical Science	4	PHSC
PHS 142	Principles of Astronomy	<b>ASTR 001</b>	Descriptive Astronomy	3	PHSC
PHS 917	Experimental Course	PHSC ELECTIVE		Varies	
PHS 929	Individual Projects	PHSC ELECTIVE		Varies	
<b>PHT</b>					
PHT 208	Basic Photojournalism	JMC ELECTIVE		3	
PHT 929	Individual Projects	JMC ELECTIVE			
<b>PHY</b>					
PHY 106	Survey of Physics	<b>PHSC 001</b>	Physical Science	4	PHSC
PHY 121	Elements of Physics	PHY ELECTIVE		4	PHSC
PHY 162	College Physics I	<b>PHY 011</b>	General Physics I	4	PHSC

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
PHY 172	College Physics II	<b>PHY 012</b>	General Physics II	4	
PHY 212	Classical Physics I	<b>PHY 001</b>	Introductory Physics I	5	PHSC
PHY 222	Classical Physics II	<b>PHY 002</b>	Introductory Physics II	5	
PHY 917	Experimental Course	PHY ELECTIVE		Varies	
PHY 929	Individual Projects	PHY ELECTIVE		Varies	
<b>PNN</b>	Practical Nursing	The assistant or associate dean of the college or school into which the student transfers will determine whether any nursing credits may be applied toward a Drake degree.			
<b>POL</b>					
POL 111	American National Governme	<b>POLS 001</b>	American Political System	3	
POL 112	American State and Local Go	POLS ELECTIVE		3	
POL 907	Co-op Field Experience	Career-Tech		Varies	
POL 917	Experimental Course	POLS ELECTIVE		Varies	
POL 929	Individual Projects	POLS ELECTIVE		Varies	
<b>PRL</b>	Paralegal	Career-Tech			
<b>PSY</b>					
PSY 111	Introduction to Psychology	PSY ELECTIVE		3	LIFE
PSY 171	Health Psychology	PSY ELECTIVE		3	
PSY 211	Psychology of Adjustment	PSY ELECTIVE		3	
PSY 212	Psych of Human & Work Rela	PSY ELECTIVE		3	
PSY 224	Adolescent Psychology	PSY ELECTIVE		3	
PSY 241	Abnormal Psychology	<b>PSY 076</b>	Abnormal Psychology	3	
PSY 245	Introduction to Counseling Th	ELECTIVE <sup>1</sup>		3	
PSY 246	Introduction to Counseling Sk	PSY ELECTIVE		3	
PSY 251	Social Psychology	<b>PSY 030</b>	Social Psychology	3	CRIT
PSY 292	Introduction to Experimental P	PSY ELECTIVE		3	
PSY 917	Experimental Course	PSY ELECTIVE		Varies	
PSY 920	Field Experience	Career-Tech		Varies	
PSY 929	Individualized Projects	PSY ELECTIVE		Varies	
PSY 941	Practicum	Career-Tech		Varies	
<sup>1</sup> Equates to Drake's <b>PSY 177</b> - Theories of Psychotherapy. May not be transferred as an upper division course but may be applied as equal in every other way.					
<b>RDG</b>					
RDG 036-929		NO CREDIT			
<b>REL</b>					
REL 101	Survey of World Religions	REL ELECTIVE		3	MULT
REL 917	Experimental Course	REL ELECTIVE		Varies	
<b>SCI</b>					
SCI 005	Preparation for Science	NO CREDIT			
<b>SDV</b>					
SDV 022	Study Strategies	NO CREDIT			
SDV 108	The College Experience	GENERAL ELECTIVE		1	
SDV 111	Success Seminar	GENERAL ELECTIVE		1	
SDV 113	Strategies for Academic Succ	GENERAL ELECTIVE		2	
SDV 130	Career Exploration	GENERAL ELECTIVE		1	
SDV 135	Job Seeking Skills	GENERAL ELECTIVE		1	
SDV 151	Leadership Training & Skill De	GENERAL ELECTIVE		3	
SDV 182	Human Potential Seminar	GENERAL ELECTIVE		2	
SDV 185	Advanced Human Potential S	GENERAL ELECTIVE		2	
SDV 194	Team Building	GENERAL ELECTIVE		2	
SDV 251	Service Learning Peer Mentor	NO CREDIT		1	
SDV 916	Experimental Course	Varies by topic		Varies	
SDV 917	Experimental Course	Varies by topic		Varies	
SDV 929	Individual Projects	Varies by topic		Varies	
<b>SOC</b>					
SOC 110	Introduction to Sociology	<b>SCSS 001</b>	Survey of Sociology	3	
SOC 115	Social Problems	SCSS ELECTIVE		3	

IVCC Course #	IVCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
SOC 120	Marriage and Family	<b>SCSS 050</b>	Intimate Relationships	3	
SOC 160	Introduction to Social Work	SCSS ELECTIVE		3	
SOC 220	Sociology of Aging	SCSS ELECTIVE		3	
SOC 917	Experimental Course	SCSS ELECTIVE		Varies	
SOC 929	Individual Projects	SCSS ELECTIVE		Varies	
<b>SPC</b>					
SPC 112	Public Speaking	<b>SCSR 073</b>	Public Speaking	3	CRIT
SPC 917	Experimental Course	SCSR ELECTIVE		Varies	
SPC 929	Individual Projects	SCSR ELECTIVE		Varies	
<b>WEL</b>	Welding	Career-Tech			