

# **DRAKE UNIVERSITY ARTICULATION AGREEMENT**

with

## **INDIAN HILLS 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 Indian Hills 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)

October 2011

## *Welcome!*

Welcome to the Drake University / IHCC 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 IHCC 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 IHCC course syllabi for in-depth review for transfer.

## *Special Notation*

Some courses from IHCC 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 IHCC 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)

IHCC courses that meet these requirements can be found beginning on page 16. 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)

<b><i>College of Arts and Sciences and School of Fine Arts</i></b>
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Courses are accepted by Drake at their IHCC semester hour value. The list of IHCC approved courses that will fit the Drake Curriculum begins on page 16. If you plan to complete your associate degree, please work closely with your IHCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IHCC 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.

We have listed recommended courses for particular majors below. However, 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 IHCC 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.

**Anthropology and Sociology**

SOC 110 Introduction to Sociology

**Art (Art History, Graphic Design, Studio Art)**

ART 113 Graphic Design I (only choose course if Graphic Design major)

ART 114 Graphic Design II (only choose course if Graphic Design major)

ART 133 Drawing

ART 134 Drawing II

ART 140 Painting

ART 200 Art History I

ART 201 Art History II

ART 202 Art History III

**Astronomy**

CHM 166 General Chemistry I

MAT 210 Calculus I

MAT 216 Calculus II

MAT 219 Calculus III

\*Also any computer language course

**Biochemistry, Cell and Molecular Biology**

BIO 175 Human Anatomy

BIO 176 Human Anatomy Lab

BIO 178 Human Physiology

BIO 179 Human Physiology Lab

CHM 166 General Chemistry I

CHM 176 General Chemistry II

CHM 251 Organic Chemistry I

CHM 252 Organic Chemistry II

MAT 156 Statistics (for BA in BCMB)

MAT 210 Calculus I (for BS in BCMB)

PHY 151 General Physics I (not required for BA in BCMB)

PHY 152 General Physics II (not required for BA in BCMB)

PHY 153 General Physics III (not required for BA in BCMB)

**Biology (more courses on next page)**

BIO 120 General Biology I

BIO 121 General Biology II

BIO 122 General Biology III

CHM 166 General Chemistry I

CHM 176 General Chemistry II

CHM 251 Organic Chemistry I

CHM 252 Organic Chemistry II

MAT 125 Pre-calculus (for BA in Biology Pre-calculus is highest level mathematics required)

MAT 210 Calculus I (for BS in Biology Calculus I is highest level mathematics required)

PHY 151 General Physics I

PHY 152 General Physics II

PHY 153 General Physics III

### **Chemistry**

CHM 166 General Chemistry I

CHM 176 General Chemistry II

CHM 251 Organic Chemistry I

CHM 252 Organic Chemistry II

MAT 210 Calculus I (for BA in Chemistry Calculus I highest level mathematics required)

MAT 216 Calculus II (for BS in Chemistry Calculus II highest level mathematics required)

PHY 151 General Physics I

PHY 152 General Physics II

PHY 153 General Physics III

### **Computer Science**

MAT 210 Calculus I

\*Any computer language course

### **English/English Writing**

\*ENG 225 Creative Writing – Poetry

\*ENG 230 Creative Writing – Fiction

\*Courses should be chosen based on area of interest

### **Environmental Policy**

BIO 101 Introduction to Biology

BIO 103 Introduction to Biology Lab

ECN 130 Principles of Economics II

ENV 142 Natural Resources

### **Environmental Science**

BIO 120 General Biology I

BIO 121 General Biology II

BIO 122 General Biology III

CHM 166 General Chemistry I

CHM 176 General Chemistry II

ENV 142 Natural Resources

POL 111 American Government

### **History**

HIS 110 Western Civilization: Ancient to Modern

HIS 111 Western Civilization: Early Modern to Present

HIS 151 U.S. History to 1877

HIS 152 U.S. History Since 1877

### **International Relations**

ECN 120 Principles of Economics I

ECN 130 Principles of Economics II

GEO 121 World Regional Geography

POL 111 American Government

POL 121 International Relations

\*Foreign Language Requirement - Students must demonstrate functional competence in a second language (including reading, writing, speaking and oral comprehension) prior to graduation. Options for achieving the necessary competence include family background or life experience, high school training, college coursework (by transfer from another institution), study abroad, independent study and participation in the Drake Language Acquisition Program. The necessary level of competency will normally be demonstrated by examination.

**Law, Politics and Society**

ECN 120 Principles of Economics I  
ECN 130 Principles of Economics II  
POL 111 American Government  
POL 121 International Relations  
PHI 105 Ethics  
SOC 110 Introduction to Sociology

**Mathematics/Mathematics for Secondary Education**

MAT 210, 216, 219 Calculus I, II, III

**Music (Applied, Music Business, Music Education, BA in Music)**

MUS 115 Music Theory I  
MUS 116 Music Theory II  
MUS 117 Music Theory III  
MUS 135 Music Theory Lab I  
MUS 136 Music Theory Lab II  
MUS 215 Music Theory IV  
MUS 216 Music Theory V  
MUS 217 Music Theory VI  
MUS 235 Music Theory III Lab  
MUS 236 Music Theory IV Lab  
\*Remaining course should be selected based on interest and instrument

**Philosophy**

PHI 101 Introduction to Philosophy  
PHI 105 Introduction to Ethics

**Physics/Physics Engineering**

CHM 166 General Chemistry I  
MAT 210 Calculus I  
MAT 216 Calculus II  
MAT 219 Calculus III  
\*Also any computer language course

**Politics**

POL 111 American Government  
POL 121 International Relations

**Psychology**

PSY 111 General Psychology  
\*PSY 223 Child and Adolescent Psychology  
\*PSY 241 Abnormal Psychology  
\*PSY 251 Social Psychology  
\* Courses should be chosen based on area of interest

**Rhetoric and Communication Studies**

SPC 112 Fundamentals of Speech

**Sociology**

SOC 110 Introduction to Sociology  
\*SOC 115 Social Problems  
\*SOC 120 Marriage and Family  
\* Courses should be chosen based on area of interest

**Study of Culture and Society**

SOC 110 Introduction to Sociology

**Theater (Acting, Directing, Musical Theater, Technical and Design, Theater Education, BA in Theater)**

DRA 130 Acting I  
DRA 132 Acting II  
DRA 162 Stagecraft  
DRA 235 Acting Workshop

**Indian Hills CC – Drake Computer Science Transfer Plan – Computer Software Development**  
**Articulation of courses for this plan are based upon the Indian Hills Community**  
**College 2010 -2011 General Catalog and the Drake University 2010 – 2011 General Catalog**

Indian Hills CC and Drake faculty have developed this transfer plan that prepares IHCC students to transfer into Drake’s Bachelor of Arts or Bachelor of Science Computer Science degree program. The term-by-term course outline below illustrates a plan for a first-year student who does not have previous college experience or credits. Courses are accepted by Drake at their IHCC value. A cumulative total of 66 academic credits earned at IHCC over the 7 terms may be accepted for transfer to Drake. IHCC courses designated as “Career-Tech” in the IHCC-Drake Articulation Agreement will be reviewed and considered for transfer elective credit at the discretion of the Associate Dean for the College of Arts and Sciences. A maximum of 16 semester hours of career-technical credit may be counted toward a bachelors degree at Drake University. *In the program outline below, an asterisk (\*) denotes IHCC Career-Tech courses.*

Transfer students who have attempted/earned college credits prior to IHCC should consult Drake’s program advisors, Dr. Timothy Urness (515-271-2118) or Dr. Keith Summerville (515-271-2265) prior to registration to discuss any potential course duplication and to determine which courses can be transferred in to Drake to insure graduation with a bachelor’s degree in 2 additional years.

**Drake: AOI fulfillment** – students should refer to pages 16-20 for further information Drake’s core program requirements and for addition details on IHCC’s course alternatives for the **ten Areas of Inquiry (AOI)**.

**Indian Hills CC Courses**

\* = Career-Tech      ( ) = Drake transfer credit notation – ie (CS elec) (IS 40)

**Term 1: IHCC Courses**

Credit	Acronym	Title
3	CIS 121	Intro to Programming Logic (CS elec)
3	CIS 159	Programming with Alice (CS elec)
2	CIS 845	Quality Assurance *
3	CSC 110	Introduction to Computers (IS 40)
<hr/>		
11 hrs		

**Term 2: IHCC Courses**

Credit	Acronym	Title
3	CIS 169	C# (CS elec)
2	CIS 345	Data Base Design (IS 160)
3	CIS 402	COBOL (IS 50)
3	*** **	Emphasis Option
<hr/>		
11 hrs		

**Term 3: IHCC Courses**

Credit	Acronym	Title
3	CIS 171	Java (CS elec)
3	CIS 412	COBOL II (IS 90)
3	*** **	Communications Elective
3	*** **	Emphasis Option
<hr/>		
12 hrs		
Course		

**Term 4: IHCC Courses**

Credit	Acronym	Title
3		Emphasis Option AND
3	CIS 175	Java II (CS elec) OR
	CIS 932	Internship 4 hrs (CS elec)
2	CIS 199	XML (CS elec)
*	*** **	Approved Mathematical Reasoning
<hr/>		
11-12 hrs		

**Term 5: IHCC Courses**

Credit	Acronym	Title
2	CIS 337	SQL/Oracle (CS elec)
2	CIS 503	Intro to Systems Analysis (CS elec)
3	CIS 604	Visual Basic (IS 80)
2	CIS 728	Programmer Communication (CS elec)
3	*** **	Emphasis Option
<hr/>		
12 hrs		

**Term 6: IHCC Courses**

Credit	Acronym	Title
2	ADM 221	Career Development Skills *
2	CIS 850	Programming Field Project I (CS elec)
	CIS 175	Java II (CS elec)
3	CIS 612	Advanced Visual Basic (IS 80)
3	*** **	Emphasis Option
2	*** **	Approved Scientific Systems
<hr/>		
12 hrs		

**Term 7: IHCC Courses**

Credit	Acronym	Title
3	CIS 161	C++ (CS elec)
	CIS 851	Programming Field Project II (CS elec) OR
2	*** **	Emphasis Option
3	*** **	Emphasis Option
3	*** **	Approved Global & Cultural Elective (It is recommended students consult the Drake University
<hr/>		
11 hrs		

IHCC Transfer Planning Guide and use one of the following courses: ANT 105, CLS 150, CLS 155, CLS 156, CLS 175, CLS 222, DRA 210, GEO 121, LIT 150, MUS 202

**Drake University Courses: Students may choose from two sequence options.**

**Sequence One:** *This first sequence is geared to students who have taken Calculus I.* Those courses classified as an Area of Inquiry (AOI) satisfy Drake’s general education curriculum and are required of all students.

**Term 8: Drake Courses (Fall)**

Credit	Acronym	Title
3	CS 130	Comp Organization & Assembly
3	Math 80	Linear Algebra
3	Math 54	Discrete Mathematics
3	His ***	Historical Foundations AOI
3	*** **	Engaged Citizen AOI
<hr/>		
15 hrs		

**Term 9: Drake Courses (Spring)**

Credit	Acronym	Title
3	CS 66	Intro to Computer Science II
3	CS 135	Programming Languages
3	CS 160	Operating Systems
3	His ***	Historical Foundations AOI
3	*** **	Values & Ethics AOI
<hr/>		
15 hrs		

**Term 10: Drake Courses (Fall)**

**Note: advisor consultation/approval required to determine appropriate course selection**

Credit	Acronym	Title
3	CS 143 (even yr)	Artificial Intelligence
<b>OR</b>		
3	CS 161 (odd yr)	Compiler Construction Analysis
<b>AND</b>		
3	CS 147 (even yr)	Computer Graphics
<b>OR</b>		
3	CS 146	Object Oriented Software
<b>OR</b>		
3	IS 145	Website Technology
3	CS 195	Computer Science Capstone
3	*** **	Artistic Experience AOI
<hr/>		
12 hrs		

**Term 11: Drake Courses (Spring)**

Credit	Acronym	Title
3	CS 139 (even yr)	Theory of Computation
<b>OR</b>		
3	CS 137 (odd yr)	Data Structures & Algorithm
<b>AND</b>		
3	CS 160 (even yr)	Operating Systems
<b>OR</b>		
3	CS 172 (odd yr)	Digital Computer Organization
<b>OR</b>		
3	CS 165 (even yr)	Intro to Numerical Analysis
<b>OR</b>		
3	CS *** (odd yr)	CS Elective
<hr/>		
3-4	*** **	Scientific Literacy AOI
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3	*** **	Elective
<hr/>		
12 – 13 hrs		

**Sequence Two:** *The second sequence is geared to those students who have yet to take Calculus I.* Those courses classified as an Area of Inquiry (AOI) satisfy Drake’s general education curriculum and are required of all students.

**Term 8: Drake Courses (Fall)**

Credit	Acronym	Title
3	CS 130	Comp Organization & Assembly
4	Math 50	Calculus I
3	Math 54	Discrete Mathematics
3	*** **	Historical Foundations AOI
3	*** **	Engaged Citizen AOI
<hr/>		
16 hrs		

**Term 9: Drake Courses (Spring)**

Credit	Acronym	Title
3	CS 66	Intro to Computer Science II
3	CS 135	Programming Languages
3	CS 160	Operating Systems
3	Math 80	Linear Algebra
3	*** **	Values & Ethics AOI
<hr/>		
15 hrs		

**Term 10: Drake Courses (Fall)**

**Note: advisor consultation/approval required to determine appropriate course selection**

Credit	Acronym	Title
3	CS 143 (even yr)	Artificial Intelligence
<b>OR</b>		
3	CS 161 (odd yr)	Compiler Construction
Analysis		
<b>AND</b>		
3	CS 147 (even yr)	Computer Graphics
<b>OR</b>		
3	CS 146 (odd yr)	COURSE TITLE?
3	CS 195	Computer Science Capstone
3	*** **	Artistic Experience AOI
3	*** **	Global & Cultural Understanding AOI
<hr/>		
15 hrs		

**Term 11: Drake Courses (Spring)**

Credit	Acronym	Title
3	CS 139 (even yr)	Theory of Computation
<b>OR</b>		
3	CS 137 (odd yr)	Data Structures & Algorithm
<b>AND</b>		
3	CS 160 (even yr)	Operating Systems
<b>OR</b>		
3	CS 172 (odd yr)	Digital Computer Organization
3	CS 165 (even yr)	Intro to Numerical Analysis
<b>OR</b>		
3	CS *** (odd yr)	CS ELECTIVE?
3-4	*** **	Scientific Literacy AOI
3	*** **	Historical Foundations AOI
<hr/>		
15 – 16 hrs		

\* total credit determination based on individual review of courses completed at IHCC

**Indian Hills CC – Drake Computer Science Transfer Plan – Digital Forensics**  
**Articulation of courses for this plan are based upon the Indian Hills Community**  
**College 2010 -2011 General Catalog and the Drake University 2010 – 2011 General Catalog**

Indian Hills CC and Drake faculty have developed this transfer plan that prepares IHCC students to transfer into Drake's Bachelor of Arts or Bachelor of Science Computer Science degree program.

The term-by-term course outline below illustrates a plan for a first-year student who does not have previous college experience or credits. Courses are accepted by Drake at their IHCC value. A cumulative total of 66 academic credits earned at IHCC over the 7 terms may be accepted for transfer to Drake. IHCC courses designated as "Career-Tech" in the IHCC-Drake Articulation Agreement will be reviewed and considered for transfer elective credit at the discretion of the Associate Dean for the College of Arts and Sciences. A maximum of 16 semester hours of career-technical credit may be counted toward a bachelors degree at Drake University. *In the program outline below, an asterisk (\*) denotes IHCC Career-Tech courses.*

Transfer students who have attempted/earned college credits prior to IHCC should consult Drake's program advisors, Dr. Timothy Urness (515-271-2118) or Dr. Keith Summerville (515-271-2265) prior to registration to discuss any potential course duplication and to determine which courses can be transferred in to Drake to insure graduation with a bachelor's degree in 2 additional years

**Drake: AOI fulfillment** – students should refer pages 16-20 for further information Drake's core program requirements and for additional details on IHCC's course alternatives for the **ten Areas of Inquiry (AOI)**.

**INDIAN HILLS CC COURSES**

**Term 1: IHCC Courses** \* = *Career- Tech*

Credit	Acronym	Title
3	CFR100	Intro to Computer Forensics *
2	CFR 121	Forensics Problem Solving *
3	CSC 110	Introduction to Computers
3	ENG 105	Composition I <i>satisfies AOI: WRIT</i>
<u>3</u>	<i>TBD</i>	Social Science elective
<b>14 hrs</b>		

**Term 2: IHCC Courses**

Credit	Acronym	Title
2	CFR 120	Forensic Operating Systems *
2	CFR 130	Computer Hardware *
3	CFR 142	Forensics Programming *
2	NET 141	Introduction to Networking *
<u>3</u>	SOC 240	Criminology
<b>12 hrs</b>		

**Term 3: IHCC Courses**

Credit	Acronym	Title
3	CFR 141	Network Forensics *
3	ENG 106	Composition II <i>satisfies AOI: WRIT</i>
2	NET 615	Social Engineering *
<u>2</u>	NET 610	Security Fundamentals *
<b>10 hrs</b>		
	<b>10 hrs</b>	<i>satisfies AOI:CRIT</i>

**Term 4: IHCC Courses**

Credit	Acronym	Title
3	CFR 140	Data Recovery Methods I *
2	CFR 155	Computer Boot Analysis *
2	CFR 160	Digital Search and Seizure *
3	SPC 112	Public Speaking <b>OR</b>
	SPC 101	Fund of Oral Communication --

**Term 5: IHCC Courses**

Credit	Acronym	Title
3	CFR 180	Data Recovery Methods II *
3	CFR 230	Evidence and Testimony *
<u>3</u>	CFR 250	Forensics Analysis Tools I *
<b>9 hrs</b>		

**Term 6: IHCC Courses**

Credit	Acronym	Title
2	ADM 221	Career Development Skills *
3	CFR 200	Data Encryption *
3	CFR 245	Forensic Evidence Analysis *
<u>3</u>	CFR 255	Forensics Analysis Tools II *
<b>11 hrs</b>		

**Term 7: IHCC Courses**

Credit	Acronym	Title
3	CFR 240	Forensics Field Project *
3	CFR 260	Forensics Technology Exploration *
3-4		Math elective – ie MAT 125 or MAT 210 ( <i>MAT 210 is required for CS major and it also satisfies the AOI: QUAN</i> )
<u>3-4</u>		Lab Science elective - <i>consult Drake Articulation for AOI: Life/Behavioral Science options</i>
<b>12-14 hrs</b>		

**To earn the Associate of Arts degree, the following additional categories and minimum total credits are needed:**

*Students are encouraged to work with Daniel Terrian, IHCC Department Chair, for any options to incorporate these courses into their schedule during terms 1 through 7. Additionally, consult the Drake Curriculum section, pgs 13-16 in the articulation agreement, for coordinating any AA degree choices.*

**History/Western Civilization 3 credits**

*choose 1 of the following:*

HIS 110 Western Civilization: Ancient to Modern	HIS 151 U. S. History to 1877
HIS 111 Western Civilization: Early Modern to Present	HIS 152 U.S. History since 1877
HIS 121 Ancient Mediterranean World	HIS 214 Russian History & Culture
HIS 141 History of Asia	HIS 257 African American History

**Math 3 credits**

*choose 1 of the following:*

MAT 210 Calculus

MAT 216 Calculus II

**Literature 3 credits**

LIT 101 fulfills *DC AOI: MULTI*

LIT 110, 113, 140 and 141 fulfills *DC AOI: WRIT*

LIT 161, 165, 167, 168, 171 and 175 fulfill *DC AOI: CRIT*

**Humanities/Fine Arts 4 credits**

HUM 135, 136 and 137 fulfill *DC AOI: ARTS*

**Social Sciences 3 credits**

POL 111 and POL 121 fulfill *DC AOI: MULTI*

SOC 115 fulfills *DC AOI: EC*

**Total minimum credits: 16 credits**

**Drake University Courses****Term 8: Drake Courses (Fall)**

Credits	Acronym	Title
3	CS 065	Intro to Computer Science <i>AOI: INFO</i>
3	Math 080	Linear Algebra
3	Math 54	Discrete Mathematics
3		<i>Historical Consciousness AOI - must be 100 level course</i>
<u>3-4</u>		<i>Life or Physical Science AOI</i>
<b>15-16 hrs</b>		

**Term 9: Drake Courses (Spring)**

Credits	Acronym	Title
3	CS 066	Intro to Computer Science II
3	CS 135	Programming Languages
3	CS 137 or	Algorithm Analysis
	CS 139	Theory of Computation
3	IS 050	Cobol
<u>3</u>		<i>Engaged Citizen AOI (must be 100 level course)</i>
<b>15 hrs</b>		

**Term 10: Drake Courses (Fall)**

Credits	Acronym	Title
3 or 6	CS 143 or	Artificial Intelligence
	CS 147 or	Computer Graphics
	CS 161	Compiler Construction
6 or 3	IS 145 or	Website Technology
	IS 160 or	Database Management
	IS 172	Data Communications
3		<i>International and Multicultural AOI – must be 100 level course</i>
<u>3</u>		<i>Elective must be 100 level course</i>
<b>15 hrs</b>		

**Term 11: Drake Courses (Spring)**

Credits	Acronym	Title
3	CS 150 or	Discrete Structures
	CS 160	Operating Systems
3	CS 139 or	Theory of Computation
	CS 172	Digital Computer Organization
3	CS 073	Computer Language Topics: JAVA
3		<i>Elective – must be 100 level course</i>
<u>3</u>		<i>Elective – must be 100 level course</i>
<b>15 hrs</b>		

**Total Credits @ Drake: 60-61**

**Minimum total Credits required for Bachelors Degree: 124**

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

Courses are accepted by Drake at their IHCC semester hour value. If you plan to complete your associate degree, please work closely with your IHCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IHCC 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 IHCC classes for students planning to transfer into a business major include the following:**

ECN 120	Principles of Macroeconomics
ECN 130	Principles of Microeconomics
MAT 210	Calculus I*
MAT 150	Statistics <b>or</b> BUS 161 Business Statistics
ACC 121	Principles of Accounting I
ACC 122	Principles of Accounting II
SPC 101	Fundamentals of Oral Communication

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 218. 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 IHCC semester hour value. If you plan to complete your associate degree, please work closely with your IHCC 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.

### ***School of Education***

Courses are accepted by Drake at their IHCC semester hour value. If you plan to complete your associate degree, please work closely with your IHCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IHCC 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):**

**Written Communication** – ENG 101, ENG 230, ENG 225

**Critical Thinking** - SPC 101

**Artistic Experience** – ART 101, MUS 100

**Historical Foundations**– HIS 151, HIS 152

**Global and Cultural Understanding** – GEO 121

**Scientific Literacy**

**Life Science** – BIO 101+ 103, PSY 111

**Physical Science** – PYS 101+ 102, CHM 166, 176

**Quantitative Literacy** – MAT 140, 110

## The Engaged Citizen - None

**Elementary Education Endorsement Requirements**

*This partial list articulates only IHCC courses that apply. Students are encouraged to contact the School of Education to discuss additional requirements.*

- |                                 |                                                                                                                |                       |
|---------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|
| A. Art                          | Drawing                                                                                                        | ART 133               |
|                                 | <i>Students are encouraged to contact the School of Education to discuss additional requirements.</i>          |                       |
| B. Early Childhood Education    |                                                                                                                |                       |
|                                 | <i>Students are encouraged to contact the School of Education to discuss requirements.</i>                     |                       |
| C. English / Language Arts      |                                                                                                                |                       |
|                                 | British Literature                                                                                             | LIT 140, 141          |
|                                 | American Literature                                                                                            | LIT 110, 112, 113     |
|                                 | Creative Writing                                                                                               | ENG 225, 230          |
| D. Foreign Language.            | <i>Students should complete the beginning two-semester sequence of their intended major language of study.</i> |                       |
| E. Health                       | Biology                                                                                                        | BIO 121+ 122, BIO 120 |
| F. History                      | Western Civilization                                                                                           | HIS 110, 111          |
|                                 | U.S. History                                                                                                   | HIS 151, 152          |
| G. Mathematics                  | Elementary Statistics                                                                                          | MAT 156 OR 161        |
|                                 | Calculus I                                                                                                     | MAT 210               |
|                                 | Calculus II                                                                                                    | MAT 216               |
|                                 | Math for Elementary Educators                                                                                  | MAT 117               |
| H. Reading                      |                                                                                                                |                       |
|                                 | <i>Students are encouraged to contact the School of Education to discuss requirements.</i>                     |                       |
| I. Science                      | Biology I & II                                                                                                 | BIO 121 +122, BIO 120 |
|                                 | Chemistry I & II                                                                                               | CHM 166 + 176         |
|                                 | Physics I                                                                                                      | PHY 151 AND 152       |
| J. Social Studies               | Economics                                                                                                      | ECN 120 + 130         |
|                                 | American History                                                                                               | HIS 151 and 152       |
|                                 | Political Science                                                                                              | POL 111               |
|                                 | Psychology                                                                                                     | PSY 111               |
|                                 | Sociology                                                                                                      | SOC 110               |
| K. Speech Communication/Theater |                                                                                                                |                       |
|                                 | Public Speaking                                                                                                | SPC 101               |
|                                 | Interpersonal Communication                                                                                    | SPC 122               |
|                                 | Theatre                                                                                                        | DRA 101               |
|                                 | Acting                                                                                                         | DRA 130               |
|                                 | Acting II                                                                                                      | DRA 132               |

## Secondary Education Endorsement Requirements

*This partial list articulates only the IHCC courses that apply. Students are encouraged to contact the School of Education to discuss additional requirements.*

A. Art	Drawing	ART 133
	<i>Students are encouraged to contact the School of Education to discuss additional requirements.</i>	
B. Business - General	Economics	ECN 120+130
	College Algebra	MAT 125
	Accounting	ACC 121+122, 221
	Marketing	MKT 110
C. English/Lang. Arts	English Composition	ENG 105, ENG 225 OR 230
	<i>Students are encouraged to contact the School of Education to discuss additional requirements.</i>	
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	MAT 210 , 216, 219
F. Science - Biology	Chemistry	CHM 157+159, CHM 251+252+253
	Biology	BIO 121+122, 120
	College Algebra	MAT 125
G. Science - Chemistry	Chemistry	CHM 157+159, CHM 251+252+253
H. Earth Science	Calculus & Analy. Geometry I	MAT 210
	Chemistry	CHM 157+159, CHM 251+252+253
	Physics I	PHY 151+152
I. General Science	Chemistry	CHM 157+159, CHM 251+252+253
	Biology	BIO 121+122, 120
	College Algebra	MAT 125
J. Physical Science	Calculus & Analy. Geometry I	MAT 210
	Chemistry	CHM 157+159, CHM 251+252+253
	Physics I	PHY 151+152
K. Physics	Physics I & II	PHY 151+152+153
	Calculus & Analy. Geometry I, II	MAT 210, 216+219
L. Social Science - American History	American History	HIS 151+152
	Economics	ECN 120+130
	Political Science	POL 111
	Sociology	SOC 110
M. Social Science - Geography		
	<i>Students are encouraged to contact the School of Education to discuss requirements.</i>	
N. Social Science - Sociology		SOC 110
	<i>added semester hours from among:</i>	SOC 115, 120, 135
O. Social Science - World History	Western Civilization	HIS 110 + 111
	Economics	ECN 120 + 130
	Political Science	POL 111
	Sociology	SOC 110
P. Rhetoric Comm. / Theater / English	Public Speaking	SPC 101
	Interpersonal Communication	SPC 122
	Techniques of Acting	DRA 130
	English Composition	ENG 101
	Intensive Writing	ENG 225 or 230

## *College of Pharmacy & Health Science (CPHS)*

Drake accepts courses at their IHCC semester-hour value. If you plan to complete your associate degree, please work closely with your IHCC 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

IHCC	DRAKE UNIVERSITY
None General Biology I (not offered at IHCC – must take elsewhere)	BIO 12/12L General Biology I
BIO 175&176&178&179Anatomy & Physiology I	BIO 13/13L General Biology II
BIO 187Microbiology with Lab (P track)	BIO 095 Medical Microbiology
CHM 157 or 158 or 166General / Inorganic Chemistry I and CHM 159 or 176General /Inorganic Chemistry II	CHEM 001/003&CHEM002/004 General ChemistryI&II
CHM 251 & 252 & 253 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 or 161 Statistics or MAT 161 Business Statistics	STAT 060 Statistics for the Life Sciences
MAT 210 Calculus I (C and P tracks) or MAT 166 Calculus for Business/Social Sci (M track)	MATH 050 Calculus I
SPC 101 or 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.

**PharmD required prerequisites:**

<b>IHCC</b>	<b>DRAKE UNIVERSITY</b>
None General Biology I (not offered at IHCC – must take elsewhere)	BIO 12/12L General Biology I
BIO 175&176&178&179Anatomy & Physiology I	BIO 13/13L General Biology II
BIO 187Microbiology with Lab	BIO 095 Medical Microbiology
CHM 157 or 158 or 166General / Inorganic Chemistry I and CHM 159 or 176General /Inorganic Chemistry II	CHEM 001/003&CHEM002/004 General ChemistryI&II
CHM 251 & 252 & 253 Organic Chemistry I & II	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 or 161 Statistics	STAT 060 Statistics for the Life Sciences
MAT 210 Calculus I	MATH 050 Calculus I
SPC 101 or 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 IHCC 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 IHCC A.A. degree, please work closely with your IHCC advisor or counselor to select courses which will also fulfill those requirements. Additional courses used to complete the IHCC 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	108	Art of the Western World
ART	119	Two-Dimensional Design
ART	122	Three-Dimensional Design
ART	133	Drawing
ART	200	Art History I
ART	201	Art History II
ART	202	Art History III
DRA	101	Introduction to Theatre
DRA	108	Drama Excursions
DRA	110	Introduction to Film
DRA	162	Technical Theatre
DRA	180-181	Theater Lab I – II
DRA	235	Acting Workshop
HUM	135	Humanities of the Early World
HUM	136	Humanities of the Renaissance
HUM	137	Humanities of the Modern World
MUS	100	Music Appreciation
MUS	202	World Music

## 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
LIT	161	The Short Story
LIT	165	The Novel
LIT	167	Popular Genres I
LIT	168	Popular Genres II
LIT	171	Survey of Poetry
LIT	175	Survey of Drama
PHI	101	Introduction to Philosophy
PHI	105	Introduction to Ethics
PHI	114	Critical Reasoning
PHI	145	Introduction to Ethical Conflicts
PSY	251	Social Psychology
SPC	101	Fundamentals of Communication
SPC	112	Fundamentals of Speech

## 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

WST	101	Women's Studies
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## 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	155	Brazilian History & Culture
CLS	175	Native American Studies
CLS	222	Survey of Latino Lit
DRA	210	African Americans in Film
FLF	132	Elementary French II
FLF	232	Intermediate French II
FLF	245	French II
FLS	132	Elementary Spanish II
FLS	232	Intermediate Spanish II
GEO	121	World Regional Geography
HIS	125	Modern Europe
HIS	141	History of Asia
HIS	214	Russian History & Culture
HIS	257	African American History
LIT	150	World Literature I
MUS	201	World Music
POL	121	International Relations
REL	101	Survey of World Religions
WST	101	Women's Studies

## 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	108	Art of the Western World
HIS	110	Western Civilization: Ancient to Modern
HIS	111	Western Civilization: Early Modern to Present
HIS	121	Ancient Mediterranean World
HIS	125	Modern Europe
HIS	141	History of Asia
HIS	151	U.S. History to 1877
HIS	152	U.S. History since 1877
HIS	214	Russian History & Culture
HIS	257	African American History
LIT	112	US Literature: 1945 to present

## 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

COM	140	Introduction to Mass Media
CSC	110	Introduction to Computers
CSC	130	Business Computer Software
GIS	111	Intro to Geographic Info Systems

## 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	110	Math for Liberal Arts
MAT	117	Math for Elementary Teachers
MAT	120	College Algebra
MAT	125	Precalculus
MAT	140	Finite Mathematics
MAT	156	Statistics
MAT	161	Business Statistics
MAT	210	Calculus
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	101	Introduction to Biology
BIO	103	Introduction to Biology Lab
BIO	120	General Biology ID
BIO	121	General Biology IID
BIO	122	General Biology IIID
BIO	127	Field Botany
BIO	175	Human Anatomy
BIO	178	Human Physiology
BIO	187	Microbiology w/lab
CHM	121	Intro to General Chemistry
CHM	251	Organic Chemistry I
CHM	252	Organic Chemistry II
CHM	253	Organic Chemistry III
ENV	110	Environmental Science w/ lab
ENV	142	Natural Resources
PSY	111	General Psychology

### One Physical Science

CHM	157	Principles of Chemistry I
CHM	158	Principles of Chemistry II
CHM	159	Principles of Chemistry III
CHM	166	General Chemistry I
CHM	176	General Chemistry II
PHS	184	Introduction to Earth Science
PHS	186	Intro to Earth Science Lab
PHY	101	Physics
PHY	151	General Physics I
PHY	152	General Physics II
PHY	153	General Physics III

## 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

CRJ	101	Ethics in Criminal Justice
PHI	105	Introduction to Ethics
PHI	145	Intro to Ethical Conflicts

## 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	106	Composition II
ENG	111	Technical Writing
ENG	225	Creative Writing - Poetry
ENG	230	Creative Writing - Fiction
LIT	110	American Literature to mid-1800's
LIT	113	US Literature: 1865-1945
LIT	140	British Literature I
LIT	141	British Literature II

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
Alphabetical by acronym						
ACC	109	Introduction to Accounting	Career-Tech			
ACC	110	Introduction to Accounting II	Career-Tech			
ACC	118	Introduction to Accounting System	ACCT ELECTIVE		3	
ACC	120	Survey of Accounting	ACCT ELECTIVE		3	
ACC	121	Principles of Accounting I	<b>ACCT 41</b>	Intro to Financial Accounting	3	CRIT
ACC	122	Principles of Accounting II	<b>ACCT 42</b>	Intro to Managerial Accounting	3	
ACC	150	Financial Reports & Presentations	Career-Tech		2	
ACC	160	Payroll Accounting	ACCT ELECTIVE		2	
ACC	191	Financial Analysis	ACCT ELECTIVE		3	
ACC	211	Intermediate Accounting	ACCT ELECTIVE		3	
ACC	221	Cost Accounting	ACCT ELECTIVE		3	
ACC	261	Tax Accounting	ACCT ELECTIVE		3	
ACC	311	Computer Accounting	ACCT 80	Accounting Information Systems	3	
ACC	340	Quickbooks for Individuals	Career-Tech			
ADM		Administrative Assistant	Career-Tech			
ADN		Associate Degree Nursing	<u>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</u>			
AGA		Agriculture - Agronomy	Career-Tech			
AGB		Agriculture - Farm Mgt-Business	Career-Tech			
AGH		Agriculture - Horticulture	Career-Tech			
AGN		Agriculture - Natural Resources	Career-Tech			
AGP		Agriculture - Precision Ag	Career-Tech			
AGS		Agriculture - Animal Science	Career-Tech			
ANT						
ANT	100	Intro to Anthropology	SCSA ELECTIVE		3	
ANT	105	Cultural Anthropology	SCSA 002	Intro Cultural Anthropology	3	MULT
ART **						
ART	100	The Arts Today	ART ELECTIVE		1	
ART	101	Art Appreciation	<b>ART 74</b>	Introduction to Art	3	ARTS
ART	103	Art Excursions I	ART ELECTIVE		1 each	
ART	104	Art Excursions II	ART ELECTIVE		1 each	
ART	107	Arts & Crafts	ART ELECTIVE		3	
ART	108	Art of the Western World	<b>ART 75</b>	Themes in Art History	3	ARTS, HIST
ART	112	Introductory Graphic Imaging	ART ELECTIVE		2	
ART	113	Graphic Design I	<b>ART 21</b>	Digital Media	3	
ART	114	Graphic Design II	<b>ART 52</b>	Form & Concept	3	
ART	118	Design, Form and Function	ART ELECTIVE		2	
ART	119	Two-Dimensional Design	ART ELECTIVE		2	ARTS
ART	122	Three-Dimensional Design	ART ELECTIVE		2	ARTS
ART	128	Graphic Imaging	ART ELECTIVE		2	
ART	129	Digital Publication Design	ART ELECTIVE		2	
ART	133	Drawing	<b>ART 15</b>	Drawing I	3	ARTS
ART	134	Drawing II	<b>ART 16</b>	Drawing II	3	
ART	137	Freehand Drawing	ART ELECTIVE		1	
ART	140	Painting	ART ELECTIVE		2	
ART	141	Painting II	ART ELECTIVE		2	
ART	142	Painting III	ART ELECTIVE		2	
ART	145	Watercolor	ART ELECTIVE		3	
ART	146	Pastels	ART ELECTIVE		3	
ART	170	Ceramics	ART ELECTIVE		2	
ART	171	Ceramics II	ART ELECTIVE		2	
ART	172	Ceramics III	ART ELECTIVE		2	
ART	180	Foundations in Photography	ART ELECTIVE		3	
ART	184	Photography	ART ELECTIVE		3	
ART	185	Photography II	ART ELECTIVE		3	
ART	186	Digital Photography	ART ELECTIVE		3	

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
ART	200	Art History I	ELECTIVE (1)		2	ARTS
ART	201	Art History II	ELECTIVE (1)		2	ARTS
ART	202	Art History III	ELECTIVE (1)		2	ARTS
ART	281	Color Photography	ART ELECTIVE		3	
ART	284	Photography: Enhancements	ART ELECTIVE		3	
ART	285	Photography: Environmental	ART ELECTIVE		3	
ART	286	Photography: Portraiture	ART ELECTIVE		3	
ART	289	Photo Journalism	JMC ELECTIVE		3	
ART	350	Art Seminar I	ART ELECTIVE		1	
ART	352	Art Seminar II	ART ELECTIVE		2	
ART	354	Art Seminar III	ART ELECTIVE		3	
ART	850	Wilderness Art Workshop	ART ELECTIVE		2	
ART	924	Honors Project	ART ELECTIVE		1	
ART	928	Independent Study	ART ELECTIVE		1	
**Credit for specific requirements for Art majors may require portfolio validation in studio courses. All Art courses with a grade of "C" or better can be considered electives.						
(1) Credit for Art History courses is subject to proficiency validation by the Art Department. When validated, ART 200, 201, and 202 together are the equivalent of <b>ART 75</b> and <b>ART 76</b> , Survey of Art History I and II.						
ATR		Automation Technology & Robotics	Career-Tech			
AUT		Automotive Technology	Career-Tech			
AVI		Aviation	Career-Tech			
AVM		Aviation Maintenance	Career-Tech			
BCA						
All except below:		Business Computer Applications	Career-Tech			
BCA	185	Beginning Webpage Development	<b>JMC 105</b>	Web Page Design	3	
BIO	101	Introduction to Biology	BIO 001	Biological Sciences -Non-Majors	2	LIFE, BLAB
BIO	103	Introduction to Biology Lab	BIO 01L	Biology Laboratory	1	LIFE
BIO	120	General Biology ID	BIO ELECTIVE		4	LIFE
BIO	121	General Biology IID	BIO ELECTIVE		3	LIFE
BIO	122	General Biology IIID	BIO ELECTIVE		3	LIFE
BIO	127	Field Botany	BIO 152	Field Botany	3	LIFE, BLAB
BIO	161	Basic Anatomy & Physiology	BIO ELECTIVE		3	
BIO	175	Human Anatomy	ELECTIVE (1)		3	LIFE
BIO	176	Human Anatomy Lab	ELECTIVE (1)		1	
BIO	178	Human Physiology	ELECTIVE (1)		3	LIFE
BIO	179	Human Physiology Lab	ELECTIVE (1)		1	
BIO	187	Microbiology w/lab	ELECTIVE (2)		4	LIFE
BIO	199	Basic Anatomy & Physiology Lab	BIO ELECTIVE		1	
BIO	222	Marine Ecology	BIO ELECTIVE		3	
BIO	925	Honors Research	BIO ELECTIVE		1	
BIO	949	Special Topics	BIO ELECTIVE		1	
<sup>(1)</sup> BIO 175, 176, 178, 179 together are equivalent to Drake's <b>BIO 18 and 18L</b> .						
<sup>(2)</sup> BIO 187 is similar in course content to Drake's <b>BIO 103</b> and may be counted toward a biology major.						
BPT		Bioprocess Technology	Career-Tech			
BUS	102	Introduction to Business	BUS ELECTIVE		3	
BUS	104	Business Essentials	BUS ELECTIVE		3	
BUS	130	Intro to Entrepreneurship	BUS ELECTIVE		3	
BUS	133	Entrepreneurial Studies	BUS ELECTIVE		3	
BUS	135	Managing the Entrepreneurial Ven	BUS ELECTIVE		3	
BUS	188	Legal Environment of Business	BUS ELECTIVE		3	
BUS	197	Leadership Development	BUS ELECTIVE		3	
BUS	924	Honors Project	BUS ELECTIVE		1	
BUS	932	Internship	Career-Tech		1	
BUS	949	Special Topics	BUS ELECTIVE		1	
CAD		Computer Aided Drafting	Career-Tech			
CFR		Computer Forensics	Career-Tech			
CHM	121	Intro to General Chemistry	CHEM ELECTIVE		3	LIFE
CHM	132	Intro to Organic & Biochemistry	CHEM ELECTIVE		4	

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
CHM	157	Principles of Chemistry I	<b>CHEM 1, 3</b>	Gen Chem I, Gen Chem Lab I	3	PHSC
CHM	158	Principles of Chemistry II	<b>CHEM 1, 3</b>	Gen Chem I, Gen Chem Lab I	3	PHSC
CHM	159	Principles of Chemistry III	<b>CHEM 2, 4</b>	Gen Chem II, Gen Chem Lab II	4	PHSC
CHM	166	General Chemistry I	<b>CHEM 1, 3</b>	Gen Chem I, Gen Chem Lab I	5	PHSC
CHM	176	General Chemistry II	<b>CHEM 2, 4</b>	Gen Chem II, Gen Chem Lab II	5	PHSC
CHM	251	Organic Chemistry I	ELECTIVE (5)		3	LIFE
CHM	252	Organic Chemistry II	ELECTIVE (5)		3	LIFE
CHM	253	Organic Chemistry III	<b>CHEM 108, 110</b>	Organic Chem II, Organic Chem Lab II	3	LIFE
CHM	949	Special Topics	CHEM ELECTIVE		varies	
<sup>(5)</sup> CHM 251 and 252 together will meet Drake's Organic Chemistry I requirement.						
CIS	121	Intro to Programming Logic	CS ELECTIVE		3	
CIS	125	Intro to Program Logic w/ language	CS ELECTIVE		3	
CIS	159	Programming with Alice	CS ELECTIVE		3	
CIS	161	C++	CS ELECTIVE		3	
CIS	169	C#	CS ELECTIVE		3	
CIS	171	JAVA	CS ELECTIVE		3	
CIS	175	JAVA II	CS ELECTIVE		3	
CIS	198	JavaScript	IS ELECTIVE		3	
CIS	199	XML	CS ELECTIVE		2	
CIS	200	Advanced JAVA Script	CS ELECTIVE		2	
CIS	205	Fund of Web Programming	<b>IS 145</b>	Website Technology	2	
CIS	206	Web Scripting	CS ELECTIVE		3	
CIS	209	Java Script	CS ELECTIVE		2	
CIS	216	Web Design & Management	CS ELECTIVE		2	
CIS	217	Data Driven Web Page	CS ELECTIVE		3	
CIS	218	Active Server Pages	Career-Tech		4	
CIS	226	Advanced Web Design	Career-Tech		2	
CIS	237	Advanced HTML	CS ELECTIVE		2	
CIS	239	Dynamic HTML	CS ELECTIVE		2	
CIS	320	Advanced Data Base	CS ELECTIVE		2	
CIS	334	PHP/Apache/MySQL	CS ELECTIVE		3	
CIS	337	SQL/Oracle	CS ELECTIVE		2	
CIS	343	DB Programming with DB2	CS ELECTIVE		2	
CIS	344	DB Programming with DB2	CS ELECTIVE		3	
CIS	345	DB Design	<b>IS 160</b>	Database Management	2	
CIS	361	Business Intelligence	Career-Tech		3	
CIS	402	COBOL	IS ELECTIVE		3	
CIS	412	COBOL II	IS ELECTIVE		3	
CIS	421	COBOL III	Career-Tech		3	
CIS	462	CICS	CS ELECTIVE		3	
CIS	472	Advanced CICS	CS ELECTIVE		3	
CIS	500	Intro to Business Analysis	BUS ELECTIVE		2	
CIS	501	Intro to Business Analysis	BUS ELECTIVE		3	
CIS	503	Intro to Systems Analysis	CS ELECTIVE		2	
CIS	582	Assembler	CS ELECTIVE		3	
CIS	590	Mainframe Environment	Career-Tech		3	
CIS	596	MVS/JCL Commands	CS ELECTIVE		2	
CIS	600	Visual Basic Express	CS ELECTIVE		2	
CIS	604	Visual Basic	<b>IS 080</b>	Visual Basic	3	
CIS	612	Advanced Visual Basic	<b>IS 080</b>	Visual Basic	3	
CIS	703	Unix/Linux	CS ELECTIVE		2	
CIS	728	Programmer Communications	CS ELECTIVE		2	
CIS	750	Project Management	Career-Tech		3	
CIS	845	Quality Assurance	Career-Tech		2	
CIS	850	Programming Field Project I	CS ELECTIVE		2	
CIS	851	Programming Field Project II	CS ELECTIVE		2	
CIS	932	Internship	CS ELECTIVE		4	
ELECTIVE courses will be evaluated upon admission for possible equivalencies to Drake computer science courses						

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
CLS	106	Pop Culture	GENERAL ELECTIVE		1	
CLS	150	Latin American History & Culture	GENERAL ELECTIVE		3	MULT
CLS	155	Brazilian History & Culture	GENERAL ELECTIVE		3	MULT
CLS	175	Native American Studies	GENERAL ELECTIVE		3	MULT
CLS	185	Cultural History of Iowa	GENERAL ELECTIVE		3	
CLS	222	Survey of Latino Lit	GENERAL ELECTIVE		3	MULT
COM	140	Introduction to Mass Media	<b>JMC 030</b>	Communications in Society	3	INFO
COM	142	Mass Media Writing	JMC ELECTIVE		3	
COM	149	Mass Media Analysis	JMC ELECTIVE		3	
COM	717	Business English	Career-Tech		2	
COM	725	Workplace Communication	Career-Tech		2	
COM	948	Special Topics	GENERAL ELECTIVE		1	
CON		Construction	Career-Tech			
CRJ	100	Intro to Criminal Justice	GENERAL ELECTIVE		3	
CRJ	101	Ethics in Criminal Justice	GENERAL ELECTIVE		3	VE
CRJ	103	Global Crime	GENERAL ELECTIVE		3	
CRJ	106	Interviewing & Writing Strategies	Career-Tech		3	
CRJ	110	Patrol Procedures	Career-Tech		3	
CRJ	141	Criminal Investigation	GENERAL ELECTIVE		3	
CRJ	150	Defensive Tactics	Career-Tech		1	
CRJ	172	Cyber Investigations	Career-Tech		3	
CRJ	242	Applied Criminalistics	Career-Tech		3	
CRJ	252	Basic Firearms	Career-Tech		1	
CRJ	254	Advanced Firearms	Career-Tech		1	
CRJ	265	Trial Preparation and Court Testim	Career-Tech		3	
CRJ	924	Honors Project	GENERAL ELECTIVE		1	
CRJ	932	Internship	GENERAL ELECTIVE		7	
CRR		Collision Repair & Refinish	Career-Tech			
CSC	105	Computer Essentials	CS ELECTIVE		1	
CSC	110	Introduction to Computers	<b>IS 44</b>	IT Applications for Business	3	INFO
CSC	130	Business Computer Software	<b>IS 44</b>	IT Applications for Business	3	INFO
DRA	101	Introduction to Theatre	<b>THEA 76</b>	Introduction to Theatre	3	ARTS
DRA	108	Drama Excursions	<b>THEA 76</b>	Introduction to Theatre	1	ARTS
DRA	110	Introduction to Film	<b>ENG 70</b>	Introduction to Film Study	3	ARTS
DRA	130	Acting I	<b>THEA 3</b>	Technique of Acting I	3	
DRA	132	Acting II	<b>THEA 4</b>	Technique of Acting II	3	
DRA	133	Acting III	THEA 55	Acting III	3	
DRA	162	Technical Theatre	<b>THEA 30</b>	Stagecraft I	3	ARTS
DRA	180-181	Theater Lab I – II	<b>THEA 30</b>	Stagecraft I (Lab)	1 each	ARTS
DRA	210	African Americans in Film	<b>ENG 99</b>	Special Topics in English	3	MULT
DRA	235	Acting Workshop	<b>THEA 2</b>	Acting for Non-Majors	3	ARTS
DRA	280-281	Theater Lab III – IV	THEA ELECTIVE		1 each	
DSL		Diesel	Career-Tech			
ECE	103	Intro to Early Childhood Edu	ELECTIVE (4)		3	
ECE	104	ECE Certifications	NO CREDIT		0.5	
ECE	106	Child Development Assoc. Standar	NO CREDIT		1	
ECE	133	Child Health, Safety & Nutrition	ELECTIVE (2)		3	
ECE	141	Designing Curriculum	GENERAL ELECTIVE		3	
ECE	158	Early Childhood Curriculum I	ELECTIVE (4)		3	
ECE	159	Early Childhood Curriculum II	ELECTIVE (3)		3	
ECE	170	Child Growth & Development	ELECTIVE (2)		3	
ECE	221	Infant/Toddler Care Education	ELECTIVE (4)		3	
ECE	243	Early Childhood Guidance	ELECTIVE (3)		3	
ECE	259	Topics in Early Childhood Educati	GENERAL ELECTIVE		3	
ECE	263	EC Field Experience I	GENERAL ELECTIVE		1.5	
ECE	264	EC Field Experience II	GENERAL ELECTIVE		1.5	
ECE	276	Classroom Teaching	ELECTIVE (1)		2	
ECE	287	Exceptional Learner	<b>SPED 120</b>	Intro to Special Education	3	

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
ECE	290	Early Childhood Program Adminis	GENERAL ELECTIVE		3	
(1) ECE 276 may count as <b>EDUC 103</b> – Foundations of Education.						
(2) ECE 133 and ECE 170 together are equivalent to Drake's <b>EDUC 105</b> (3cr) & EDUC Elective (3cr)						
(3) ECE 159 and ECE 243 together are equivalent to Drake's <b>EDUC 153</b> (3cr) & EDUC Elective (3cr)						
(4) ECE 103 and ECE 158 and ECE 221 together are equivalent to Drake's <b>EDUC 152</b> (3cr) & EDUC Elective (6cr)						
<b>**EDUC 104</b> , the 60 hour Education Practicum, must be taken at Drake University.						
ECN	120	Principles of Macroeconomics	<b>ECON 1</b>	Principles of Macroeconomics	3	
ECN	130	Principles of Microeconomics	<b>ECON 2</b>	Principles of Microeconomics	3	
EDU	120	Communication, Ethics and Confid	EDUC ELECTIVE		2	
EDU	121	Behavior Improvement	EDUC ELECTIVE		2	
EDU	122	Roles and Responsibilities	EDUC ELECTIVE		2	
EDU	213	Introduction to Education	<b>EDUC 1</b>	Introduction to Education	3	
EDU	235	Children's Literature	<b>EDUC 124</b>	Literature-Childhood and Youth	3	
EDU	260	Art for the Elementary Educator	<b>EDUC 83</b>	Special Methods in Art	3	
EDU	925	Honors Research	EDUC ELECTIVE		1	
EDU	949	Special Topics	EDUC ELECTIVE		1	
EGR		Engineering	Career-Tech			
EGT		Engineering Technology	Career-Tech			
ELE		Electrical Technology	Career-Tech			
ELT		Electronics	Career-Tech			
EMS		Emergency Medical Services	Career-Tech			
ENG	001-033		NO CREDIT			
ENG	101	Elements of Writing	ENG ELECTIVE		3	
ENG	105	Composition I	<b>ENG 1</b>	Seminar in Reading & Writing	3	WRIT
ENG	106	Composition II	ENG ELECTIVE		3	WRIT
ENG	111	Technical Writing	<b>ENG 94</b>	Business & Admin Writing	3	WRIT
ENG	225	Creative Writing - Poetry	<b>ENG 91</b>	Reading & Writing Poetry	3	WRIT
ENG	230	Creative Writing - Fiction	<b>ENG 92</b>	Reading & Writing Short Story	3	WRIT
ENG	925	Honors Research	ENG ELECTIVE		1	
ENV	105	Introductory Environmental Scienc	ENSP ELECTIVE		2	
ENV	106	Introductory Environmental Scienc	ENSP ELECTIVE		1	
ENV	110	Environmental Science w/ lab	<b>ENSP 035</b>	One Earth:Glob Env Science	3	LIFE
ENV	142	Natural Resources	<b>ENSP 035</b>	One Earth:Glob Env Science	3	LIFE
ESL			NO CREDIT			
FIN	121	Personal Finance	<b>FIN 95</b>	Managing Individual Finances	3	
FLF	131	Elementary French I	FREN 001	Beginning French I	3	
FLF	132	Elementary French II	FREN 002	Beginning French II	3	MULT
FLF	133	Elementary French III	FREN 051	Intermediate French I	3	
FLF	145	French I	FREN 001	Beginning French I	5	
FLF	231	Intermediate French I	FREN 051	Intermediate French I	3	
FLF	232	Intermediate French II	FREN 052	Intermediate French II	3	MULT
FLF	233	Intermediate French III	FREN ELECTIVE		3	
FLF	245	French II	FREN 002	Beginning French II	5	MULT
FLS	124	Spanish: Emergency Medical	SPAN ELECTIVE		3	
FLS	131	Elementary Spanish I	SPAN 001	Beginning Spanish I	3	
FLS	132	Elementary Spanish II	SPAN 002	Beginning Spanish II	3	MULT
FLS	133	Elementary Spanish III	SPAN ELECTIVE		3	
FLS	153	Accelerated Elementary Spanish I	SPAN ELECTIVE		5	
FLS	154	Accelerated Elementary Spanish II	SPAN ELECTIVE		5	
FLS	231	Intermediate Spanish I	SPAN 051	Intermediate Spanish I	3	
FLS	232	Intermediate Spanish II	SPAN 052	Intermediate Spanish II	3	MULT
FLS	233	Intermediate Spanish III	SPAN ELECTIVE		3	
GEO	121	World Regional Geography	<b>SCSG 003</b>	World Regional Geography	3	MULT
GIS	100	Intro to Geospatial Tech	ENSP ELECTIVE		3	
GIS	111	Intro to Geographic Info Syst	ENSP 065	Geographic Info Systems	3	INFO
GIS	121	Intro to DataBases	ENSP ELECTIVE		3	
GIS	130	Remote Sensing	ENSP ELECTIVE		3	
GIS	140	Intro to GPS	ENSP ELECTIVE		3	

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
GIS	180	GIS Tools and Methods	ENSP ELECTIVE		3	
GIS	200	Intro to Cartography	ENSP ELECTIVE		3	
GIS	205	GIS Applications	ENSP ELECTIVE		3	
GIS	230	GIS Applications	ENSP 165	Applications of Geog Info Syst	4	
GRA	127	Illustrator I	ART ELECTIVE		3	
GRA	135	InDesign	ART ELECTIVE		2	
GRA	143	PhotoShop I	ART ELECTIVE		2	
GRA	145	PhotoShop III	ART ELECTIVE		3	
GRA	155	Fireworks	ART ELECTIVE		2	
GRA	222	Illustrator II	ART ELECTIVE		2	
GRA	224	InDesign II	ART ELECTIVE		2	
GRA	226	Photoshop II	ART ELECTIVE		2	
GRA	228	Flash	ART ELECTIVE		3	
GRA	229	Flash II	ART ELECTIVE		2	
GRA	250	Dreamweaver	ART ELECTIVE		2	
GRA	251	Dreamweaver II	ART ELECTIVE		2	
HCM		Hospitality, Culinary, Management	Career-Tech			
HCR		Heating & Air Conditioning	Career-Tech			
HIS	110	Western Civilization: Ancient to M	HIST ELECTIVE		3	HIST
HIS	111	Western Civilization: Early Moder	HIST ELECTIVE		3	HIST
HIS	121	Ancient Mediterranean World	HIST ELECTIVE		3	HIST
HIS	125	Modern Europe	HIST 133 or HIST 134	Europe 19th Century or Contemporary Europe	3	HIST, MULT
HIS	141	History of Asia	HIST ELECTIVE		3	HIST, MULT
HIS	151	U.S. History to 1877	<b>HIST 75</b>	US Hist to 1877	3	HIST
HIS	152	U.S. History since 1877	<b>HIST 76</b>	US Hist Since 1877	3	HIST
HIS	214	Russian History & Culture	HIST ELECTIVE		3	HIST, MULT
HIS	257	African American History	HIST ELECTIVE		3	HIST, MULT
HIS	927	Honors Study	HIST ELECTIVE		1	
HIS	949	Special Topics	HIST ELECTIVE		1	
HIT		Health Information Technology	Career-Tech			
HSC		Health Sciences	Career-Tech			
HUC		Health Unit Coordinator	Career-Tech			
HUM	135	Humanities of the Early World	GENERAL ELECTIVE		3	ARTS
HUM	136	Humanities of the Renaissance	GENERAL ELECTIVE		3	ARTS
HUM	137	Humanities of the Modern World	GENERAL ELECTIVE		3	ARTS
HUM	145	Language and Society	GENERAL ELECTIVE		3	
HUM	205	Humanities: The Hero	GENERAL ELECTIVE		3	
HUM	210	Humanities: Nature of Conflict	GENERAL ELECTIVE		3	
HUM	927	Honors Study	GENERAL ELECTIVE		1	
HUM	952	Topics	GENERAL ELECTIVE		1	
IND		Industrial Technology	Career-Tech			
LEO		Laser Electro-Optics Technology	Career-Tech			
LIT	101	Introduction to Literature	ENG ELECTIVE		3	
LIT	110	American Literature to mid-1800's	<b>ENG 42</b>	Approaches to American Lit	3	WRIT
LIT	112	US Literature: 1945 to present	<b>ENG 63</b>	American Writing Since 1960	3	HIST
LIT	113	US Literature: 1865-1945	<b>ENG 42</b>	Approaches to American Lit	3	WRIT
LIT	140	British Literature I	<b>ENG 44</b>	Approaches to British Lit	3	WRIT
LIT	141	British Literature II	<b>ENG 44</b>	Approaches to British Lit	3	WRIT
LIT	150	World Literature I	<b>ENG 20</b>	Literature & Culture	3	MULT
LIT	152	Early Modern World Literature	ENG ELECTIVE		3	
LIT	153	Modern World Literature	ENG ELECTIVE		3	
LIT	157	Bible as Literature	ENG ELECTIVE		3	
LIT	161	The Short Story	<b>ENG 30</b>	Genres	3	CRIT
LIT	165	The Novel	<b>ENG 30</b>	Genres	3	CRIT
LIT	167	Popular Genres I	<b>ENG 30</b>	Genres	3	CRIT
LIT	168	Popular Genres II	<b>ENG 30</b>	Genres	3	CRIT
LIT	171	Survey of Poetry	<b>ENG 30</b>	Genres	3	CRIT

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
LIT	175	Survey of Drama	ENG 30	Genre	3	CRIT
LIT	181	Mythology & Literature	ENG ELECTIVE		3	
LIT	802	Readings in Literature I	ENG ELECTIVE		1	
LIT	804	Readings in Literature II	ENG ELECTIVE		2	
LIT	806	Readings in Literature III	ENG ELECTIVE		3	
MAT	010-072		NO CREDIT			
MAT	101	Intermediate Algebra	NO CREDIT			
MAT	105	Elements of Contemporary Math	MATH ELECTIVE		2	
MAT	110	Math for Liberal Arts	MATH 17	Spirit of Mathematics	3	QUAN
MAT	117	Math for Elementary Teachers	MATH 25	Structure Math Elem Education	3	QUAN
MAT	120	College Algebra	MATH ELECTIVE		3	QUAN
MAT	125	Precalculus	MATH 20	College Algebra	3	QUAN
MAT	140	Finite Mathematics	MATH ELECTIVE		3	QUAN
MAT	156	Statistics	STAT 71	Statistics I	3	QUAN
MAT	161	Business Statistics	STAT 71	Statistics I	3	QUAN
MAT	210	Calculus	MATH 50	Calculus I	4	QUAN
MAT	216	Calculus II	MATH 70	Calculus II	4	QUAN
MAT	219	Calculus III	MATH 100	Calculus III	4	QUAN
MAT	742-762		Career-Tech			
MAT	925	Honors Research	MATH ELECTIVE		1	
MAT	952	Topics	MATH ELECTIVE		1	
MFG		Manufacturing	Career-Tech			
MGT	101	Principles of Management	MGMT ELECTIVE		3	
MGT	170	Human Resources Management	MGMT ELECTIVE		3	
MGT	220	Intro to Sport Management	MGMT ELECTIVE		3	
MKT	110	Principles of Marketing	MKTG 101	Marketing Principles	3	
MKT	140	Principles of Selling	MKTG ELECTIVE		3	
MKT	198	Sports Marketing	MKTG ELECTIVE		3	
**Please see notes in the beginning of this agreement document about validating the equivalent course.						
MLT		Medical Lab Technology	Career-Tech			
MMS						
MMS	241	Public Relations & Marketing	JMC ELECTIVE		3	
MST		Massage Therapy	Career-Tech			
MTR		Medical Transcription	Career-Tech			
MUA		Applied Music	MUS ELECTIVE**			
**Music majors: these courses will be reviewed for transfer toward the major requirements depending on specific instrument and restrictions for credit for applied music courses, as stated in the Drake General Catalog.						
MUS	100	Music Appreciation	MUS 80	Music in Western Culture	3	ARTS
MUS	108	Jazz Appreciation	MUS ELECTIVE		1	
MUS	115-117	Music Theory I - III	ELECTIVE <sup>6</sup>		2 each	
MUS	135-136	Music Theory Lab I -II	ELECTIVE <sup>6</sup>		1 each	
MUS	140, 141, 142	Concert Choir I - III	MUS 149	Drake Choir	1 each	
MUS	152, 252, 253, 254, 255, 256	Vocal Ensemble 1-VI	MUS ELECTIVE		1 each	
MUS	170, 171, 172	Jazz Band I-III	MUS 145	Jazz Ensemble	1 each	
MUS	202	World Music	MUS 81	World Music for Music Majors	3	ARTS, MULT
MUS	215, 216, 217	Music Theory IV -VI	ELECTIVE <sup>6</sup>		2 each	
MUS	235, 236	Music Theory Lab III, IV	ELECTIVE <sup>6</sup>		1 each	
MUS	240, 241, 242	Concert Choir IV-VI	MUS ELECTIVE		1 each	
MUS	270, 271, 272	Jazz Band IV-VI	MUS ELECTIVE		1 each	
MUS	293	Music Excursions	MUS ELECTIVE		1	
<sup>6</sup> The Department of Music at Drake University administers a proficiency examination to any student transferring a						

IHCC Course Number	IHCC Course Title	Drake Course Equivalent	Credits	Area of Inquiry (AOI)
music theory and ear training sequence of courses to determine appropriate placement within Drake's sequence of courses. Drake accepts all theory and ear-training transfer courses as elective courses until individual assessment can be done. Credits will be reassigned as equivalents to Drake's music theory sequence, when appropriate, after proficiency testing has been completed.				
NET	Computer Networking	Career-Tech		
OTA	Occupational Therapy Asst	Career-Tech		
PEA	122-296 Physical Education Activities	GENERAL ELECTIVE		
A maximum of 4 credit hours of physical education activity credit will be accepted in transfer				
PEC	112 Theory of Coaching	GENERAL ELECTIVE	3	
PEC	113 Coaching Ethics	GENERAL ELECTIVE	3	
PEC	128 Care & Prevention of Athletic Injury	EDUC 172	3	Care & Prev of Athl Injury
PEC	162 Sports Officiating - Fall Sports	GENERAL ELECTIVE	2	
PEC	163 Sports Officiating - Winter Sports	GENERAL ELECTIVE	2	
PEC	164 Sports Officiating - Spring Sports	GENERAL ELECTIVE	2	
PEH	102 Health	GENERAL ELECTIVE	3	
PEH	115 Wellness Education	GENERAL ELECTIVE	3	
PEH	142 First Aid	GENERAL ELECTIVE	3	
PEH	162 Introduction to Physical Education	GENERAL ELECTIVE	3	
PEH	176 Sport Psychology	GENERAL ELECTIVE	3	
PEH	210 Elementary Physical Education	GENERAL ELECTIVE	3	
PEH	215 Introduction to Secondary Physical	GENERAL ELECTIVE	3	
PET	Certified Personal Trainer	Career-Tech		
PEV	107 Techniques of Sports I	GENERAL ELECTIVE	1	
PEV	108 Techniques of Sports II	GENERAL ELECTIVE	1	
PEV	207 Techniques of Sports III	GENERAL ELECTIVE	1	
PEV	208 Techniques of Sports IV	GENERAL ELECTIVE	1	
A maximum of 4 credit hours of physical education activity credit will be accepted in transfer				
PHB	Phlebotomy	Career-Tech		
PHI	101 Introduction to Philosophy	PHIL 21	3	CRIT
PHI	105 Introduction to Ethics	PHIL 90	3	VE, CRIT
PHI	114 Critical Reasoning	PHIL 51	3	CRIT
PHI	120 Modern Philosophy	PHIL ELECTIVE	3	
PHI	121 Classical-Medieval Philosophy	PHIL ELECTIVE	3	
PHI	145 Intro to Ethical Conflicts	PHIL 90	3	VE, CRIT
PHR	Pharmacy Technology	Career-Tech		
PHS	184 Introduction to Earth Science	ELECTIVE <sup>8</sup>	2	PHSC
PHS	186 Intro to Earth Science Lab	ELECTIVE <sup>8</sup>	1	PHSC
<sup>8</sup> PHS 184 and PHS 186 together are equivalent to Drake's ENSP 41 and fulfill the PHSC AOI.				
PHY	101 Physics	ELECTIVE <sup>7</sup>	2	PHSC
PHY	102 Physics Lab	ELECTIVE <sup>7</sup>	1	
PHY	151 General Physics I	ELECTIVE <sup>6</sup>	3	PHSC
PHY	152 General Physics II	ELECTIVE <sup>6</sup>	3	PHSC
PHY	153 General Physics III	ELECTIVE <sup>6</sup>	3	PHSC
PHY	705 Introduction to Physics	Career-Tech	2	
<sup>6</sup> PHY 151, 152, and 153 together are the equivalent of Drake's PHY 11 and PHY 12, General Physics I, II.				
<sup>7</sup> PHY 101 and 102 together are equivalent to Drake's PHSC 001 and fulfill the PHSC AOI.				
PNN	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		
POL				
POL	111 American Government	POLS 1	3	
POL	121 International Relations	POLS 75	3	MULT
PSY	111 General Psychology	PSY ELECTIVE	3	LIFE
PSY	112 Psychology of Human Relations	PSY ELECTIVE	3	
PSY	121 Developmental Psychology	PSY ELECTIVE	3	
PSY	211 Psychology of Adjustment	PSY ELECTIVE	3	
PSY	223 Child & Adolescent Psychology	PSY 42	3	Child & Adoles Psychology

IHCC Course Number		IHCC Course Title	Drake Course Equivalent		Credits	Area of Inquiry (AOI)
PSY	226	Psychology of Aging	PSY ELECTIVE		3	
PSY	241	Abnormal Psychology	<b>PSY 76</b>	Abnormal Psychology	3	
PSY	251	Social Psychology	<b>PSY 30</b>	Social Psychology	3	CRIT
PSY	281	Educational Psychology	PSY ELECTIVE		3	
PSY	924	Honors Project	PSY ELECTIVE		1	
PSY	949	Special Topics	PSY ELECTIVE		1	
PTA		Physical Therapy Assistant	Career-Tech			
RAD		Radiology Technology	Career-Tech			
RDG		Reading	NO CREDIT			
REL	101	Survey of World Religions	REL ELECTIVE		3	MULT
SCI	130	Limits of Science	GENERAL ELECTIVE			
SDV	020-137		NO CREDIT			
SDV	142	Career Planning	GENERAL ELECTIVE		3	
SDV	145-147		NO CREDIT			
SDV	150	Communications for Careers	GENERAL ELECTIVE		3	
SER		Sustainable Energy Resources	Career-Tech			
SOC	110	Introduction to Sociology	<b>SCSS 1</b>	Survey of Sociology	3	
SOC	115	Social Problems	SCSS ELECTIVE		3	
SOC	120	Marriage & Family	<b>SCSS 50</b>	Intimate Relations	3	
SOC	135	Death and Dying	SCSS ELECTIVE		3	
SOC	147	Foreign & Domestic Terrorism	SCSS ELECTIVE		3	
SOC	170	Sociology & Technology	SCSS ELECTIVE		3	
SOC	230	Juvenile Delinquency	SCSS ELECTIVE		3	
SOC	240	Criminology	SCSS ELECTIVE		3	
SOC	242	Introduction to Corrections	SCSS ELECTIVE		3	
SOC	244	Criminal Procedure	SCSS ELECTIVE		3	
SOC	245	Criminal Law	SCSS ELECTIVE		3	
SOC	261	Human Sexuality	SCSS ELECTIVE		3	
SOC	280	Social Issues	SCSS ELECTIVE		3	
SOC	924	Honor Research: Social Science	SCSS ELECTIVE		1	
SOC	949	Special Topics	SCSS ELECTIVE		varies	
SPC	101	Fundamentals of Communication	<b>SCSR 73</b>	Public Speaking	3	CRIT
SPC	112	Fundamentals of Speech	<b>SCSR 73</b>	Public Speaking	3	CRIT
SPC	122	Interpersonal Communications	ELECTIVE		3	
TDT		Truck Driving	Career-Tech			
VRT		Virtual Reality Technology	Career-Tech			
WEL		Welding	Career-Tech			
WST	101	Women's Studies	<b>WS 001 or SCSS 75 or ENG 75</b>	Introduction to Women's Studies		MULT, CITZ
WTT		Wind Energy & Turbine Tech	Career-Tech			