

Indian Hills CC – Drake Computer Science Transfer Plan 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 the Drake Curriculum section on pages **13-16 of the October 2010b** IHCC-Drake articulation agreement 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
14 hrs		

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
12 hrs		

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 *
10 hrs		

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 OR
<u>—</u>	SPC 101	Fund of Oral Communication -- <i>satisfies AOI: CRIT</i>
10 hrs		

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 *
9 hrs		

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 *
11 hrs		

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>
12-14 hrs		

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
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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*
 HUM 135, 136 and 137 fulfill *DC AOI: ARTS*
 POL 111 and POL 121 fulfill *DC AOI: MULTI*
 SOC 115 fulfills *DC AOI: EC*

Humanities/Fine Arts 4 credits**Social Sciences 3 credits**

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>
15-16 hrs		

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>
15 hrs		

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>
15 hrs		

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>
15 hrs		

Total Credits @ Drake: 60-61

Minimum total Credits required for Bachelors Degree: 124