

## Program Transfer Guide

**Central Texas College District Associate in Applied Science (AAS) in  
CYBERDEFENSE – INFORMATION ASSURANCE (CDIA)**

**→ UIU Bachelor of Science (BS) in  
INFORMATION SYSTEMS**

**JANUARY 2020**



### Years 1 & 2 at Central Texas College District:

CTCD Program Course Sequence			Course Transfers into UIU as			
Course ID	Course Name	# Cr	Course ID	Course Name	# Cr	Requirement Fulfilled
<b>Semester 1</b>						
COSC 1301	Introduction to Computing	3	CS 102	Intro to Computer Applications & Technology	3	Gen Ed Comp. Skills
ITSC 1316	Linux Installation & Config.	3	---	---	3	Free Elective
ITCC 1314	CCNA 1: Intro to Networks	3	IT 311	Networking* <i>(Requires both ITCC 1314 &amp; ITCC 1340)</i>	3	Non-IS Elective
ENGL 1301	Composition I	3	ENG 101	English Composition I*	3	Gen Ed Comm./Wrtn
MATH 1314	College Algebra	3	MATH 107	College Algebra*	3	Gen Ed Mathematics
<b>Semester 2</b>						
ITCC 1340	CCNA 2: Routing & Switching Essentials	3	IT 311	Networking* <i>(Requires both ITCC 1340 &amp; ITCC 1314)</i>	3	Free Elective
ITSE 1359	Intro to Scripting Languages	3	---	---	3	Free Elective
ITSY 1342	Information Technology Security	3	---	---	3	Free Elective
ITNW 1316	Network Administration	3	---	---	3	Free Elective
SPCH 1321	Business & Professional Communication	3	COMM 307	Business and Professional Communication*	3	Free Elective
<b>Semester 3</b>						
ITSC 2325	Advanced Linux	3	---	---	3	Free Elective
ITSY 2401	Firewalls & Network Security	4	---	---	4	Free Elective
ITSY 2345	Network Defense & Countermeasures	3	---	---	3	Free Elective
ITNW 1345	Implementing Network Directory Services	3	---	---	3	Free Elective
ITNW 1313	Computer Virtualization	3	---	---	3	Free Elective
<b>Semester 4</b>						
ITNW 1454	Implementing & Supporting Servers	4	---	---	4	Free Elective
PSYC 2301 <i>OR</i>	General Psychology	3	PSY 190	General Psychology	3	Gen Ed Soc. Sci.
PSYC 2315 <i>OR</i>	Psychology of Adjustment	3	PSY 201	Adjustment	3	Gen Ed Soc. Sci.
SOCI 1301	Introduction to Sociology	3	SOC 110	Principles of Sociology	3	Gen Ed Soc. Sci.
Creative Arts Elective		3	---	<i>See Electives Table</i>	3	Gen Ed Arts/Humn.
ITSY 2459 <i>OR</i>	Security Assessment and Auditing (Capstone)	4	---	---	4	Free Elective
ITSY 2486	Internship - Computer and Information Systems Security	4	---	---	4	Free Elective
Total occupational course credits earned:		60	Total course credits accepted:		60	
Total credits required for graduation:		60				
Total transferable credits#:		60				

*UIU recommendations are **bolded**.*

**Years 3 & 4 at Upper Iowa University:**

UIU Program Course List		# Cr	Requirement Fulfilled	Transferred In
<b>General Education Courses</b>				
	<i>any Gen Ed in Arts/Humanities</i>	3	<i>Gen Ed Arts/Humanities</i>	<i>Creative Arts Elective</i>
	any Gen Ed in Arts/Humanities	3	Gen Ed Arts/Humanities	---
ENG 101	<i>English Composition I</i>	3	<i>Gen Ed Comm./Wrtn</i>	<i>ENGL 1301</i>
ENG 102	English Composition II	3	Gen Ed Comm./Wrtn	---
COMM 105 OR COMM 200	Public Speaking Interpersonal Communication	3	Gen Ed Comm./Oral	--- OR ---
CS 102	<i>Intro Computer Applications &amp; Technology</i>	3	<i>Gen Ed Computer Skills</i>	<i>COSC 1301</i>
	<i>any Gen Ed in Mathematics (MATH 105 or higher)</i>	3	<i>Gen Ed Mathematics</i>	<i>MATH 1314</i>
	any Gen Ed in Natural Science	3	Gen Ed Natural Science	---
	any Gen Ed in Natural Science	3	Gen Ed Natural Science	---
	<i>any Gen Ed in Social Science</i>	3	<i>Gen Ed Social Science</i>	<i>ECON 160</i>
	<i>any Gen Ed in Social Science</i>	3	<i>Gen Ed Social Science</i>	<i>PSYC 2301, PSYC 2315 or SOCI 1301</i>
	any Gen Ed in Cultures	3	Gen Ed Cultures	---
<b>Major Courses</b>				
MATH 107	<i>College Algebra</i>	3	<i>Major</i>	<i>MATH 1314</i>
CS 122	IT Infrastructure	4	Major	---
CS 130	Foundations of Information Systems	3	Major	---
ECON 160	Principles of Microeconomics	3	Major	---
ACCT 201	Accounting Principles I	3	Major	---
MKT 208	Marketing Principles	3	Major	---
BA 210	Management Principles	3	Major	---
MATH 220	Elementary Statistics	3	Major	---
BA 222	Management Information Systems	3	Major	---
BA 302	Business Law and Ethics	3	Major	---
IS 310	Systems Analysis and Design	3	Major	---
IS 320	Enterprise Architecture	3	Major	---
CS 332	Databases and Information Management	3	Major	---
CS 342	Human Computer Interaction	3	Major	---
CS 400	Project Management and Integration	4	Major	---
IS 410	IS Strategy, Management, and Acquisition	3	Major	---
IS 480	IS Senior Capstone	1	Major	---
IS 481	IS Senior Capstone II	2	Major	---
IT 311	<i>Networking</i>	3	<i>Non-IS Elective</i>	<i>ITCC 1314</i>
Upper-division Electives ( <i>from list below</i> )		6	Major	---
Upper-Division Electives / Electives			Degree Requirements	---

Total additional credits needed at UIU to complete degree:

**74**

Total transferable credits from CTCD:

**60**
**Total Earned Credits:**
**134**
**Information Systems Elective Options at UIU**
**Information Systems, Security and Integration (ISSI) Specialization Electives**

IS 360 IT Security and Risk Management

IS 420 Enterprise Systems and Integration

<b>Information Systems Elective Options at UIU (cont.)</b>			
<b>Information Systems and Technology Management (ISTM) Specialization Electives</b>			
IS 348	Business Process Management		
IS 370	IT Audit and Controls		
<b>Other IS Electives</b>			
IS 499	Special Project		
<b>Non-IS Electives</b>			
SE 300	Data Structures and Algorithms •	IT 410	Information and System Security •
SE 310	Software Application and Interface Design •	SE 410	Software Testing, Validation & Verification •
IT 320	Web Systems and System Integration •		

## ~~ NOTES ~~

**LEGEND:**

- # Transfer grades lower than a C- will not be accepted.
- • Course has a prerequisite.
- **Bolded** text indicates UIU recommendations.
- *Grayed out text* indicates courses fulfilled through transfer. Strikethrough indicates specific course if within grouping.

A minimum of 120 semester credits is required for a baccalaureate degree; up to 78 lower-division college semester credits from Central Texas College District. A minimum of 30 credits must be upper-division credits for a UIU baccalaureate degree; lower-division transfer work from Central Texas College District does not contribute to the upper-division credit requirement at UIU.

*This program transfer guide is based on the November 2019 course-to-course articulation (UIU 2019-2020 catalog & CTCD 2019-2020 catalog).*

Every effort has been made to ensure the accuracy and completeness of this program articulation. The office of the Registrar of Upper Iowa University reserves the right to make corrections, additions, and deletions as necessary.

<b>Elective Transfer Table</b>						
<b>CTCD ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Creative Arts Electives (Subcategory of Humanities/Fine Arts)</b>						
ARTS 1303	Art History I	3	ART 211	Art History I	3	Gen Ed Arts/Humn.
ARTS 1304	Art History II	3	ART 212	Art History II	3	Gen Ed Arts/Humn.
DRAM 1310	Introduction to Theater	3	THE 110	Introduction to Theatre	3	Gen Ed Arts/Humn.
DRAM 2366	Introduction to Cinema	3	COMM 290	The Movies (also ENG 290)	3	Gen Ed Arts/Humn.
HUMA 1315	Fine Arts Appreciation	3	---	---	3	Gen Ed Arts/Humn.
MUSI 1306	Music Appreciation	3	MUS 100	Introduction to Music	3	Gen Ed Arts/Humn.

## Maximize Your Transfer to UIU

*Take up to 18 credits to fulfill general education and major requirements.*

Choose up to 18 additional credits at Central Texas College District to transfer into Upper Iowa University to fulfill general education and major requirements. View the Additional Elective Transfer Guide list below for course selection and recommendations. Talk with your advisors to ensure additional courses will fit with your degree plan and financial aid requirements.

**Choose up to 18 credits from the following areas:**

- Arts/Humanities General Education Requirement – up to 3 credits
- Communication (Written) General Education Requirement – up to 3 credits
- Communication (Oral) General Education Requirement – up to 3 credits
- Natural Science General Education Requirement – up to 6 credits
- Cultures General Education Requirement – up to 3 credits
- Major/Business Core – up to 18 credits

**LEGEND:**

- **Bolded** text indicates UIU recommendations
- • Course has a prerequisite

<b>Additional Elective Transfer Guide</b>						
<b>CTCD ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Arts/Humanities General Education Requirement</b>						
ARAB 1411	Beginning Arabic I	4	---	---	4	Gen Ed Arts/Humn.
ARAB 1412	Beginning Arabic II	4	---	---	4	Gen Ed Arts/Humn.
ARAB 2311	Intermediate Arabic I	3	---	---	3	Gen Ed Arts/Humn.
ARAB 2312	Intermediate Arabic II	3	---	---	3	Gen Ed Arts/Humn.
ARTC 2313	Digital Publishing II	3	GRAF 335	Publication Design •	3	Gen Ed Arts/Humn.
ARTC 2333	Publication Design	3	GRAF 335	Publication Design •	3	Gen Ed Arts/Humn.
ARTS 1303	Art History I	3	ART 211	Art History I	3	Gen Ed Arts/Humn.
ARTS 1304	Art History II	3	ART 212	Art History II	3	Gen Ed Arts/Humn.
ARTS 1311	Design I	3	ART 109	Two Dimensional Foundations	3	Gen Ed Arts/Humn.
ARTS 1312	Design II	3	ART 120	Three Dimensional Foundations	3	Gen Ed Arts/Humn.
ARTS 1316	Drawing I	3	ART 110	Drawing	3	Gen Ed Arts/Humn.
ARTS 1317	Drawing II	3	ART 210	Intermediate Drawing •	3	Gen Ed Arts/Humn.
ARTS 2311	Design III	3	---	---	3	Gen Ed Arts/Humn.
ARTS 2313	Design Communications I	3	---	---	3	Gen Ed Arts/Humn.
ARTS 2316	Painting I	3	---	---	3	Gen Ed Arts/Humn.
ARTS 2317	Painting II	3	---	---	3	Gen Ed Arts/Humn.
ARTS 2341	Art Metals I	3	---	---	3	Gen Ed Arts/Humn.
ARTS 2346	Ceramics I	3	ART 222	Ceramics/Hand Building	3	Gen Ed Arts/Humn.
ARTS 2347	Ceramics II	3	ART 223	Ceramics/Wheel Throwing	3	Gen Ed Arts/Humn.
ARTS 2356	Photography I	3	---	---	3	Gen Ed Arts/Humn.
ARTS 2357	Photography II	3	GRAF 218	Digital Photography & Editing	3	Gen Ed Arts/Humn.
CHIN 1411	Beginning Chinese I	4	---	---	4	Gen Ed Arts/Humn.
CHIN 1412	Beginning Chinese II	4	---	---	4	Gen Ed Arts/Humn.

**Additional Elective Transfer Guide (cont.)**

CTCD ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Arts/Humanities General Education Requirement (cont.)</b>						
CHIN 2311	Intermediate Chinese I	3	---	---	3	Gen Ed Arts/Humn.
CHIN 2312	Intermediate Chinese II	3	---	---	3	Gen Ed Arts/Humn.
COMM 2366	Introduction to Cinema	3	COMM 290	The Movies (also ENG 290)	3	Gen Ed Arts/Humn.
DRAM 1310	Introduction to Theater	3	THE 110	Introduction to Theatre	3	Gen Ed Arts/Humn.
DRAM 1352	Acting II	3	---	---	3	Gen Ed Arts/Humn.
DRAM 2366	Introduction to Cinema	3	COMM 290	The Movies (also ENG 290)	3	Gen Ed Arts/Humn.
ENGL 2307	Creative Writing I	3	ENG 170	Intro to Creative Writing *	3	Gen Ed Arts/Humn.
ENGL 2322	British Literature I	3	ENG 211	British Literature I	3	Gen Ed Arts/Humn.
ENGL 2323	British Literature II	3	ENG 212	British Literature II	3	Gen Ed Arts/Humn.
ENGL 2327	American Literature I	3	ENG 209	American Literature I	3	Gen Ed Arts/Humn.
ENGL 2328	American Literature II	3	ENG 210	American Literature II	3	Gen Ed Arts/Humn.
ENGL 2332	World Literature I	3	---	---	3	Gen Ed Arts/Humn.
ENGL 2333	World Literature II	3	ENG 214	World Literature Survey	3	Gen Ed Arts/Humn.
FREN 1411	Beginning French I	4	---	---	4	Gen Ed Arts/Humn.
FREN 1412	Beginning French II	4	---	---	4	Gen Ed Arts/Humn.
FREN 2311	Intermediate French I	3	---	---	3	Gen Ed Arts/Humn.
FREN 2312	Intermediate French II	3	---	---	3	Gen Ed Arts/Humn.
GERM 1411	Beginning German I	4	---	---	4	Gen Ed Arts/Humn.
GERM 1412	Beginning German II	4	---	---	4	Gen Ed Arts/Humn.
GERM 2311	Intermediate German I	3	---	---	3	Gen Ed Arts/Humn.
GERM 2312	Intermediate German II	3	---	---	3	Gen Ed Arts/Humn.
HIND 1411	Beginning Hindi I	4	---	---	4	Gen Ed Arts/Humn.
HIND 1412	Beginning Hindi II	4	---	---	4	Gen Ed Arts/Humn.
HIND 2311	Intermediate Hindi I	3	---	---	3	Gen Ed Arts/Humn.
HIND 2312	Intermediate Hindi II	3	---	---	3	Gen Ed Arts/Humn.
HUMA 1315	Fine Arts Appreciation	3	---	---	3	Gen Ed Arts/Humn.
INDO 1411	Beginning Indonesian I	4	---	---	4	Gen Ed Arts/Humn.
INDO 1412	Beginning Indonesian II	4	---	---	4	Gen Ed Arts/Humn.
INDO 2311	Intermediate Indonesian I	3	---	---	3	Gen Ed Arts/Humn.
INDO 2312	Intermediate Indonesian II	3	---	---	3	Gen Ed Arts/Humn.
ITAL 1411	Beginning Italian I	4	---	---	4	Gen Ed Arts/Humn.
ITAL 1412	Beginning Italian II	4	---	---	4	Gen Ed Arts/Humn.
ITAL 2311	Intermediate Italian I	3	---	---	3	Gen Ed Arts/Humn.
ITAL 2312	Intermediate Italian II	3	---	---	3	Gen Ed Arts/Humn.
JAPN 1411	Beginning Japanese I	4	---	---	4	Gen Ed Arts/Humn.
JAPN 1412	Beginning Japanese II	4	---	---	4	Gen Ed Arts/Humn.
JAPN 2311	Intermediate Japanese I	3	---	---	3	Gen Ed Arts/Humn.
JAPN 2312	Intermediate Japanese II	3	---	---	3	Gen Ed Arts/Humn.
KORE 1411	Beginning Korean I	4	---	---	4	Gen Ed Arts/Humn.
KORE 1412	Beginning Korean II	4	---	---	4	Gen Ed Arts/Humn.
KORE 2311	Intermediate Korean I	3	---	---	3	Gen Ed Arts/Humn.
KORE 2312	Intermediate Korean II	3	---	---	3	Gen Ed Arts/Humn.
MUSI 1303	Fundamentals of Music	3	---	---	3	Gen Ed Arts/Humn.
MUSI 1304	Foundations of Music	3	MUS 100	Introduction to Music	3	Gen Ed Arts/Humn.
MUSI 1306	Music Appreciation	3	MUS 100	Introduction to Music	3	Gen Ed Arts/Humn.
MUSI 1307	Music Literature	3	---	---	3	Gen Ed Arts/Humn.

**Additional Elective Transfer Guide (cont.)**

CTCD ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Arts/Humanities General Education Requirement (cont.)</b>						
MUSI 1311	Music Theory I	3	---	---	3	Gen Ed Arts/Humn.
MUSI 1312	Music Theory II	3	---	---	3	Gen Ed Arts/Humn.
MUSI 2311	Music Theory III	3	---	---	3	Gen Ed Arts/Humn.
MUSI 2312	Music Theory IV	3	---	---	3	Gen Ed Arts/Humn.
PASH 1411	Beginning Pashtu I	4	---	---	4	Gen Ed Arts/Humn.
PASH 1412	Beginning Pashtu II	4	---	---	4	Gen Ed Arts/Humn.
PASH 2311	Intermediate Pashtu I	3	---	---	3	Gen Ed Arts/Humn.
PASH 2312	Intermediate Pashtu II	3	---	---	3	Gen Ed Arts/Humn.
PERS 1411	Beginning Persian-Iranian/Afghan I	4	---	---	4	Gen Ed Arts/Humn.
PERS 1412	Beginning Persian-Iranian/Afghan II	4	---	---	4	Gen Ed Arts/Humn.
PERS 2311	Intermediate Persian-Iranian/Afghan I	3	---	---	3	Gen Ed Arts/Humn.
PERS 2312	Intermediate Persian-Iranian/Afghan II	3	---	---	3	Gen Ed Arts/Humn.
PHIL 1301	Introduction to Philosophy	3	PHIL 150	Intro to Philosophy	3	Gen Ed Arts/Humn.
PHIL 1304	Introduction to World Religions	3	REL 120	Intro to World Religions	3	Gen Ed Arts/Humn.
PHIL 2303	Introduction to Logic	3	---	---	3	Gen Ed Arts/Humn.
PHIL 2306	Introduction to Ethics	3	PHIL 202	Contemporary Ethics	3	Gen Ed Arts/Humn.
PHIL 2321	Philosophy of Religion	3	---	---	3	Gen Ed Arts/Humn.
PORT 1411	Beginning Portuguese I	4	---	---	4	Gen Ed Arts/Humn.
PORT 1412	Beginning Portuguese II	4	---	---	4	Gen Ed Arts/Humn.
PORT 2311	Intermediate Portuguese I	3	---	---	3	Gen Ed Arts/Humn.
PORT 2312	Intermediate Portuguese II	3	---	---	3	Gen Ed Arts/Humn.
PUNJ 1411	Beginning Punjabi I	4	---	---	4	Gen Ed Arts/Humn.
PUNJ 1412	Beginning Punjabi II	4	---	---	4	Gen Ed Arts/Humn.
PUNJ 2311	Intermediate Punjabi I	3	---	---	3	Gen Ed Arts/Humn.
PUNJ 2312	Intermediate Punjabi II	3	---	---	3	Gen Ed Arts/Humn.
RUSS 1411	Beginning Russian I	4	---	---	4	Gen Ed Arts/Humn.
RUSS 1412	Beginning Russian II	4	---	---	4	Gen Ed Arts/Humn.
RUSS 2311	Intermediate Russian I	3	---	---	3	Gen Ed Arts/Humn.
RUSS 2312	Intermediate Russian II	3	---	---	3	Gen Ed Arts/Humn.
SPAN 1411	Beginning Spanish I	4	SPN 101	Beginning Spanish I	4	Gen Ed Arts/Humn.
SPAN 1412	Beginning Spanish II	4	SPN 102	Beginning Spanish II *	4	Gen Ed Arts/Humn.
SPAN 2311	Intermediate Spanish I	3	SPN 201	Intermediate Spanish I *	3	Gen Ed Arts/Humn.
SPAN 2312	Intermediate Spanish II	3	SPN 202	Intermediate Spanish II *	3	Gen Ed Arts/Humn.
TURK 1411	Beginning Turkish I	4	---	---	4	Gen Ed Arts/Humn.
TURK 1412	Beginning Turkish II	4	---	---	4	Gen Ed Arts/Humn.
TURK 2311	Intermediate Turkish I	3	---	---	3	Gen Ed Arts/Humn.
TURK 2312	Intermediate Turkish II	3	---	---	3	Gen Ed Arts/Humn.
URDU 1411	Beginning Urdu I	4	---	---	4	Gen Ed Arts/Humn.
URDU 1412	Beginning Urdu II	4	---	---	4	Gen Ed Arts/Humn.
URDU 2311	Intermediate Urdu I	3	---	---	3	Gen Ed Arts/Humn.
URDU 2312	Intermediate Urdu II	3	---	---	3	Gen Ed Arts/Humn.
<b>Communication (Written) General Education Requirement</b>						
ENGL 1302	Composition II	3	ENG 102	English Composition II *	3	Gen Ed Comm./Wrtn

**Additional Elective Transfer Guide (cont.)**

CTCD ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Communication (Oral) General Education Requirement</b>						
SPCH 1315	Public Speaking	3	COMM 105	Public Speaking	3	Gen Ed Comm./Oral
SPCH 2341	Oral Interpretation	3	THE 240	Oral Interpretation	3	Gen Ed Comm./Oral
<b>Cultures General Education Requirement</b>						
ANTH 2346	General Anthropology	3	---	---	3	Gen Ed Cultures
ANTH 2351	Cultural Anthropology	3	ANTH 110	Introduction to Cultural Anthropology	3	Gen Ed Cultures or Gen Ed Soc. Sci.
SOCI 2319	Minority Studies	3	SOC 240	Diversity in the United States	3	Gen Ed Cultures or Gen Ed Soc. Sci.
<b>Natural Science General Education Requirement</b>						
AGCR 2318	Soil Science	3	ES 220	Soil and Water Conservation	3	Gen Ed Nat. Sci.
ANTH 2301	Physical Anthropology	3	---	---	3	Gen Ed Nat. Sci.
BIOL 1322	Nutrition and Diet Therapy I	3	BIO 165	Human Biology and Nutrition	3	Gen Ed Nat. Sci.
BIOL 1406	Biology for Science Majors I	4	BIO 135	Principles of Biology I	4	Gen Ed Nat. Sci.
BIOL 1407	Biology for Science Majors II	4	BIO 140	Principles of Biology II •	4	Gen Ed Nat. Sci.
BIOL 1408	Biology for Non-Science Majors I	4	BIO 100	General Biological Science	4	Gen Ed Nat. Sci.
BIOL 1411	General Botany	4	BIO 231	General Botany •	4	Gen Ed Nat. Sci.
BIOL 1413	General Zoology	4	BIO 220	Zoology •	4	Gen Ed Nat. Sci.
BIOL 2401	Anatomy and Physiology I	4	BIO 270	Human Anatomy & Physiology I •	4	Gen Ed Nat. Sci.
BIOL 2420	Microbiology for Non-Science Majors	4	---	---	4	Gen Ed Nat. Sci.
BIOL 2421	Microbiology for Science Majors	4	BIO 210	Microbiology •	4	Gen Ed Nat. Sci.
CHEM 1406	Introductory Chemistry I	4	CHEM 140	Chemistry for Everyday Life	4	Gen Ed Nat. Sci.
CHEM 1407	Introductory Chemistry II	4	---	---	4	Gen Ed Nat. Sci.
CHEM 1411	General Chemistry I	4	CHEM 151	General Chemistry I	4	Gen Ed Nat. Sci.
CHEM 1412	General Chemistry II	4	CHEM 152	General Chemistry II •	4	Gen Ed Nat. Sci.
ENVR 1401	Environmental Science I	4	ES 161	Introduction to Environmental Science	4	Gen Ed Nat. Sci.
FIRT 1333	Fire Chemistry I	3	---	---	3	Gen Ed Nat. Sci.
GEOL 1403	Physical Geology	4	ES 100	Introduction to Geology	4	Gen Ed Nat. Sci.
GEOL 1404	Historical Geology	4	---	---	4	Gen Ed Nat. Sci.
GEOL 1405	Environmental Science	4	---	---	4	Gen Ed Nat. Sci.
PHYS 1401	College Physics I	4	PHY 111 & PHY 112	Intro Physics I (3) & Intro Physics Lab I (1)	4	Gen Ed Nat. Sci.
PHYS 1402	College Physics II	4	PHY 113 & PHY 114	Intro Physics II (3) & Intro Physics Lab II (1) •	4	Gen Ed Nat. Sci.
PHYS 1403	Stars and Galaxies	4	PHY 110	Intro to Astronomy	4	Gen Ed Nat. Sci.
PHYS 1404	Solar System	4	PHY 110	Intro to Astronomy	4	Gen Ed Nat. Sci.
PHYS 1415	Physical Science I	4	---	---	4	Gen Ed Nat. Sci.
PHYS 2425	University Physics I	4	---	---	4	Gen Ed Nat. Sci.
GEOG 1301	Physical Geography	3	GEOG 100	Intro to Physical Geography	3	Gen Ed Nat. Sci. or Gen Ed Soc. Sci.
<b>Major Elective Requirement</b>						
ACCT 2301	Principles of Financial Accounting	3	ACCT 201	Accounting Principles I	3	Major



### ***Additional Elective Transfer Guide (cont.)***

<b>CTCD ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Major Elective Requirement (cont.)</b>						
BMGT 1327	Principles of Management	3	BA 210	Management Principles	3	Major
BUSG 2305 <i>OR</i> BUSI 2301	Business Law/Contracts  Business Law	3 <i>OR</i> 3	BA 302	Business Law and Ethics	3	Major
CPMT 1345 <i>OR</i> ITSC 1325	Computer Systems Maintenance  Personal Computer Hardware	3 <i>OR</i> 3	CS 122	IT Infrastructure •	3	Major
ITSC 1415	Project Management Software	4	CS 130	Foundations of Information Systems •	4	Major
ECON 2302	Principles of Microeconomics	3	ECON 160	Principles of Microeconomics	3	Gen Ed Soc. Sci. & Major
MATH 1342	Elementary Statistical Methods	3	MATH 220	Elementary Statistics •	3	Major
HAMG 2307 <i>OR</i> MRKG 1311	Hospitality Marketing and Sales  Principles of Marketing	3 <i>OR</i> 3	MKT 208	Marketing Principles	3	Major