PATHWAYS COURSE CATALOG - "AT-A-GLANCE" VERSION

VIRGINIA TECH

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1 - Discourse

Credit hours: 9 credits: 6 foundational + 3 advanced/applied

Foundational (1F)

Dept	Number	Title	Tags
COMM	1015	Communication Skills	Minor
COMM	1016	Communication Skills	Prereq, Minor
COMM	2754H	Topics in Tech Innovation	Prereq, 2x
ENGL	1105	First-Year Writing	
ENGL	1106	First-Year Writing	Prereq
FR	3105	Gram/Composition/Conv	Prereq
FR	3106	Gram/Composition/Conv	Prereq
GER	3105	Gram/Comp/Conv	Prereq
GER	3106	Gram/Comp/Conv	Prereq
SPAN	3105	Gram/Comp/Conv	Prereq
SPAN	3106	Gram/Comp/Conv	Prereq

Advanced/Applied (1A)

Dept	Number	Title	Tags
AINS	2414	Identity & Inclusion in Agric	Prereq, 2x
ALCE	2414	Identity & Inclusion in Agric	Prereq, 2x
ALS	2204	Intro Civic Agriculture	Minor
ALS	4244	Capstone Global Food Security	Prereq, Minor
APS	4414	Issues in Appalachian Studies	Prereq, Minor
APSC	4004	Contemporary Issues in APSC	Prereq
ART	4104	Interpretation of Visual Arts	Prereq, Minor
BIT	4164	Future of Security	Prereq, Minor
BIT	4854	Analytics in Action	Prereq, Minor
BMES	2004	Concussion Perspectives	Minor
BMES	4015	BME Senior Design and Project	Prereq
BMES	4016	BME Senior Design and Project	Prereq
CEE	2804	Introduction to CEE	
CEE	3304	Fluid Mech for CEE	Prereq
CEE	4804	Prof & Legal Issues Civil Eng	Prereq, Minor
CEM	2104	Intro to CEM	
CEM	3084	Construction Economy	Prereq
CEM	4445	CEM Capstone	Prereq
CEM	4446	CEM Capstone	Prereq
COMM	2004	Public Speaking	Prereq, Minor
COMM	3154	Multimedia Reporting	Prereq
COMM	3214	Professional Communication	Prereq, Minor
COMM	2764H	Topics in Tech Innovation	Prereq
CS	4164	Future of Security	Prereq, Minor
ECE	4805	Senior Design Project	Prereq
ECE	4806	Senior Design Project	Prereq
ECON	4884	Adv Philosophy Politics Econ	Prereq, Minor
ENGL	2634	Writing and Social Justice	Prereq, Minor, 2x
ENGL	2744	Intro to Creative Writing	Prereq
ENGL	3024	Religion and Literature	
ENGL	3134	Gender and Linguistics	Prereq, Minor
ENGL	3144	Language & Ethnicity in the US	Prereq, Minor
ENGL	3534	Literature and the Environment	Prereq, Minor
ENGL	3694	Topics in World Novels	Prereq
ENGL	3764	Technical Writing	Prereq
ENGL	3844	Writing and Digital Media	Prereq, Minor
ENGL	4164	Studies in Shakespeare	Prereq
ESM	4015	Creative Design and Project	Prereq
ESM	4016	Creative Design and Project	Prereq
FREC	3524	Environmental Interpretation	Prereq
FREC	3734	Forest Fiber Supply	Prereq
FREC	4174	Climate Chng & Intl Policy	Prereq
FREC	4454	Urban and Community Forestry	Prereq, Minor
GEOG	3274	Polar Environments	Prereq
GEOS	4024	Senior Seminar	Prereq
HIST	2624	Topics Hist Data Soc Context	
HIST	3054	The American Civil War	Minor
HIST	3714	War and Medicine	Minor
HUM	2504	Intro Amer Studies	
HUM	3034	Theories of Popular Culture	2x
HUM	3034H	Theories of Popular Culture	2x
HUM	4414	Issues in Appalachian Studies	Prereq, Minor
IS	4174	Climate Chng & Intl Policy	Prereq
ISE	3034	Tech Comm for Engineers	Prereq
ITAL	3305	Intro to Ital Lit in Context	Prereq
ITAL	3306	Intro to Ital Lit in Context	Prereq
ITAL	3474	Topics in Italian Cinema	
LAR	4034	Evol of the Am Land	Minor
ME	3024	Engineering Design & Econ	Prereq
ME	3034	Mech Engineering Discourse	Prereq
ME	4015	Engineering Design & Project	Prereq
ME	4016	Engineering Design & Project	Prereq
MGT	4334	Ethical Leadership	Prereq, Minor, 2x
MGT	4854	Analytics in Action	Prereq, Minor
PHIL	4884	Adv Philosophy Politics Econ	Prereq, Minor
PR	3144	Writing and Editing for PR	Prereq
PSCI	4164	Future of Security	Prereq, Minor
PSCI	4174	Climate Chng & Intl Policy	Prereq
PSCI	4884	Adv Philosophy Politics Econ	Prereq, Minor
RLCL	2504	Intro Amer Studies	
RLCL	3024	Religion and Literature	
RLCL	3034	Theories of Popular Culture	2x
RLCL	3034H	Theories of Popular Culture	2x
RLCL	3144	Language & Ethnicity in the US	Prereq, Minor
SOC	3144	Language & Ethnicity in the US	Prereq, Minor
SPIA	4784	Community Systems Capstone	Prereq, Minor
STL	4314	Current Topics in STL	Prereq, Minor
TA	2404	Intro App Collaborative Tech	Minor
UH	2504	Discourse & Global Citizenship	
WGS	3134	Gender and Linguistics	Prereq, Minor

2 - Critical Thinking in the Humanities

Credit hours: 6 credits

Dept	Number	Title	Tags
AFST	1814	Intro to African Studies	
AFST	2204	Race & Gender in Rel & Cult	2x
AFST	2275	African-American History	2x
AFST	2276	African-American History	2x
AFST	2644	Intro African-American Lit	Prereq, 2x
AFST	3864	Development and Hum in Africa	Minor
AINS	3174	Native American History	2x
APS	1704	Intro to Appalachian Studies	Minor, 2x
APS	2434	Cult Politics Music Appalachia	Minor, 2x
ARBC	2774	Arab Culture and Civilization	
ARBC	3304	Modern Arabic Lit in Trans	
ARBC	3474	Topics in Arab Cinema	
ARCH	3115	Histories of Architecture	Prereq
ARCH	3116	Histories of Architecture	Prereq
ART	1104	Language of Visual Arts	Minor
ART	1334	Visual Arts and Culture	
ART	2385	Surv Hist West Art	Minor
ART	2386	Surv Hist West Art	Minor
ART	3054	Islamic Art and Architecture	
ART	3064	Arts of China and Japan	
ART	3074	Egyptian Art and Architecture	
ART	3094	Early Mod Global Vis Culture	
ART	3174	Introduction to Archaeology	Minor
ART	3184	Roman Art and Architecture	

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Legend	
Prereq	Course has prerequisites or class restriction. Consult the timetable.
2x	Course double-counts for Concept 7.
Minor	Course is part of a Pathways Minor. Consult the minor checksheets.

VT VIRGINIA TECH

2 - Critical Thinking in the Humanities (continued)

Credit hours: 6 credits

Dept	Number	Course	Tags
ART	3284	Medieval Art and Architecture	
ART	3384	Renaissance Art	
ART	3484	Baroque Art and Arch	
ART	3584	19th Century Art	
ART	3674	History of Photography	
BIT	4604	Data Gov, Privacy, Ethics	Prereq Minor
CHN	2734	Chinese Culture and Civ	
CINE	2054	Introduction to Cinema	
CLA	1134	Ancient Mediterranean World	
CLA	2224	Ancient Greek & Roman Women	
CLA	2234	Classics in the Modern World	
CLA	2434	Fairytale, Folklore, and Magic	
CLA	2444	Greek and Roman Mythology	
CLA	2464	Myth, Philosophy, Video Games	
CMST	2064	The Rhetorical Tradition	
CRIM	2504	Crime & Punishment Amer Hist	2x
CRIM	3124	Murder in American History	2x
ECON	2894	Intro Philosophy Politics Econ	Minor
ECON	4884	Adv Philosophy Politics Econ	Prereq Minor
ENGL	1604	Introduction to Poetry	
ENGL	1614	Introduction to Short Fiction	
ENGL	1624	Intro to Detective Fiction	
ENGL	1634	Introduction to Shakespeare	
ENGL	1644	Intro to World Literature	
ENGL	1654	Intro to Science Fiction	Minor
ENGL	1664	Intro to Women's Literature	
ENGL	1704	The Harry Potter Phenomenon	
ENGL	2444	Greek and Roman Mythology	
ENGL	2644	Intro African American Lit	Prereq 2x
ENGL	3024	Religion and Literature	
ENGL	3424	Topics Rus Lit in Eng	Prereq
ENGL	3434	The Works of Vladimir Nabokov	Prereq
ENGL	3534	Literature and the Environment	Prereq Minor
ENGL	3694	Topics in World Novels	Prereq
ENGL	4164	Studies in Shakespeare	Prereq
FR	2714	French Culture & Civ	
FR	3314	Intro to Francophone Studies	Prereq
FR	3424	Medieval-Renaissance Culture	Prereq
FR	3434	Baroque-Revolution Culture	Prereq
FR	3444	From Romanticism to Belle-Epoque	Prereq
FR	3454	WWI-Contemporary Culture	Prereq
FREC	2554	Leading Global Sustainability	Minor
GER	2724	German Culture & Civ	
GER	3305	Survey of German Literature	Prereq

Dept	Number	Course	Tags
GER	3306	Survey of German Literature	Prereq
GER	3474	Topics in German Cinema	
HD	1134	Intro to Disabilities Studies	Minor 2x
HIST	1014	Topics in Reacting to the Past	
HIST	1024	Ancient History	
HIST	1025	Intro to European History	
HIST	1026	Intro to European History	
HIST	1115	History of the United States	2x
HIST	1116	History of the United States	2x
HIST	1215	Intro to World History	
HIST	1216	Intro to World History	
HIST	1354	Conflict Security in East Asia	Minor
HIST	1515	History of Africa	
HIST	1516	History of Africa	
HIST	2054	Engineering Cultures	
HIST	2104	Topics in US History	2x
HIST	2114	Topics Crit Issues Euro Hist	
HIST	2124	Topics Crit Issues World Hist	
HIST	2224	Ancient Greek and Roman Women	
HIST	2234	Classics in the Modern World	
HIST	2264	America in the 1960s	2x
HIST	2275	African-American History	2x
HIST	2276	African-American History	2x
HIST	2374	Gods and Kings in India	
HIST	2384	Gandhi and Modern India	
HIST	2504	Crime & Punishment Amer Hist	2x
HIST	2604	Intro Data in Social Context	Minor
HIST	2624	Topics Hist Data Soc Context	
HIST	3054	The American Civil War	Minor
HIST	3114	History of Capitalism	Minor
HIST	3124	Murder in American History	2x
HIST	3144	American Environmental History	Minor
HIST	3164	Sexuality in American History	2x
HIST	3174	Native American History	2x
HIST	3304	World of Alexander the Great	
HIST	3354	Reform & Rev Early Mod England	
HIST	3374	French Empire	
HIST	3544	World War II	Minor
HIST	3554	Age of Globalization	Minor
HIST	3564	The Cold War	Minor
HIST	3654	Arab-Israeli Conflict	Minor
HIST	3714	War and Medicine	Minor
HIST	3864	Development and Hum in Africa	Minor
HTM	3484	Socio-Cult Impacts of Tourism	Minor

Dept	Number	Course	Tags
HUM	1324	HUM: Mod World	
HUM	1704	Intro to Appalachian Studies	Minor 2x
HUM	2504	Intro Amer Studies	
IS	2484	Religion and Politics	2x
IS	3864	Development and Hum in Africa	Minor
ITAL	3305	Intro to Ital Lit in Context	Prereq
ITAL	3306	Intro to Ital Lit in Context	Prereq
ITAL	3474	Topics in Italian Cinema	
JUD	2134	Judaism	
JUD	2414	Hebrew Bible/Old Testament	
LAR	2554	Leading Global Sustainability	Minor
LAR	4034	Evol of the Am Land	Minor
MGT	2204	Global Business of Pop Culture	2x
MGT	4324	Bus and Prof Ethics	Minor
MUS	2115	Survey of Western Music	
MUS	2116	Survey of Western Music	
MUS	3164	History of Electronic Music	
MUS	3164H	History of Electronic Music	
NR	2554	Leading Global Sustainability	Minor
PHIL	1204	Knowledge and Reality	
PHIL	1304	Morality and Justice	Minor
PHIL	1304H	Morality and Justice	
PHIL	2115	Ancient/Medieval Philosophy	
PHIL	2116	Ancient/Medieval Philosophy	
PHIL	2125	History of Modern Philosophy	
PHIL	2126	History of Modern Philosophy	
PHIL	2304	Global Ethics	Minor
PHIL	2894	Intro Philosophy Politics Econ	Minor
PHIL	3015	Political Theory	Prereq Minor
PHIL	3016	Political Theory	Prereq Minor
PHIL	3024	Topics Philosophical Movements	
PHIL	3314	Ethical Theory	Prereq Minor
PHIL	3334	Ethics and Artific Intelligence	
PHIL	3414	Aesthetics	
PHIL	3454	Philosophy of Religion	
PHIL	4304	Political Philosophy	Prereq Minor
PHIL	4324	Bus and Prof Ethics	Minor
PHIL	4334	Jurisprudence	Prereq Minor
PHIL	4884	Adv Philosophy Politics Econ	Prereq Minor
PSCI	2484	Religion and Politics	2x
PSCI	2894	Intro Philosophy Politics Econ	Minor
PSCI	3015	Political Theory	Minor
PSCI	3016	Political Theory	Minor
PSCI	4884	Adv Philosophy Politics Econ	Prereq Minor

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Prereq	Course has prerequisites or class restriction. Consult the timetable.
2x	Course double-counts for Concept 7.
Minor	Course is part of a Pathways Minor. Consult the minor checksheets.

2 - Critical Thinking in the Humanities (continued)

Credit hours: 6 credits

Dept	No.	Title	Badges
RLCL	1004	Intro to Religion & Culture	Minor
RLCL	1004H	Intro to Religion & Culture	
RLCL	1024	Judaism, Christianity, Islam	
RLCL	1034	Religion and the Modern World	
RLCL	1044	Religious Ethics	
RLCL	1134	Ancient Mediterranean World	
RLCL	1214	The Medieval World	
RLCL	1904	Religion and Culture In Asia	
RLCL	1904H	Religion and Culture In Asia	
RLCL	2124	Religion in American Life	2x
RLCL	2134	Judaism	
RLCL	2204	Race & Gender in Rel & Cult	2x
RLCL	2324	Islam	
RLCL	2374	Gods and Kings in India	
RLCL	2384	Gandhi and Modern India	
RLCL	2414	Hebrew Bible/Old Testament	
RLCL	2424	New Testament	
RLCL	2444	Greek and Roman Mythology	
RLCL	2484	Religion and Politics	2x
RLCL	2504	Intro Amer Studies	
RLCL	3024	Religion and Literature	
RLCL	3214	Religion and Culture in India	
RLCL	3224	Religion in China and Japan	
RLCL	3414	Jesus in Earliest Christianity	
RLCL	3424	Christian Orthodoxy and Heresy	
RLCL	3454	Philosophy of Religion	
RUS	2734	Intro Rus Culture and Civ	
RUS	3304	Survey 19th Century Rus Lit	Prereq
RUS	3314	Survey 20th Century Rus Lit	Prereq
RUS	3424	Topics Rus Lit in Eng	Prereq
RUS	3434	The Works of Vladimir Nabokov	Prereq
SOC	2604	Intro Data in Social Context	Minor
SPAN	2744	Topics in Spanish Culture	
SPAN	2754	Topics in Spanish Am Culture	
SPAN	2764	Intro Latino American Studies	Minor
SPAN	2774	Minority Lang & Span Context	Minor
SPAN	3304	Intro Hispanic Literature	Prereq
SPAN	3404	Early Penin Culture & Lit	Prereq
SPAN	3414	Modern Penin Culture & Lit	Prereq
SPAN	3444	Early Span-Am Culture & Lit	Prereq
SPAN	3464	Mod Mex/Central Am Cult Lt	Prereq
SPAN	3474	Mod Span Caribbean Cult Lit	Prereq
SPAN	3484	Mod Andean/S Cone Cult Lit	Prereq
SPAN	3514	Span Medical Professions	Prereq, 2x
SPAN	3534	Spanish Business Professions	Prereq, 2x
SPAN	3564	Community Through Service	Prereq, 2x
STL	4324	Global Aspects of IP	Prereq, Minor
STS	1504	Intro Science, Tech, Society	Minor
STS	2054	Engineering Cultures	
STS	2154	The Life Sciences and Society	Minor
STS	2254	Innovation in Context	Minor
STS	2444	Global Sci & Tech Policy	Minor
STS	2454	Science Tech & Environment	Minor
STS	2604	Intro Data in Social Context	Minor
STS	3104	Sci & Tech in Modern Society	
STS	3284	Technology and Disability	Minor
STS	3314	Medical Dilemmas & Hum Exper	
STS	3334	Energy and Society	Minor
TA	2014	Introduction to Theatre	
TA	2024	Introduction to Acting	Minor
UH	2554	Humanities & Global Citizenship	
UH	2834	Hum Tech Innov Soc Impact	
WGS	1824	Intro Women's & Gender Studies	Minor
WGS	2204	Race & Gender in Rel & Cult	2x

3 - Reasoning in the Social Sciences

Credit hours: 6 credits

Dept	No.	Title	Badges
AAEC	1005	Econ Food Fiber Sys	Minor
AAEC	1006	Econ Food Fiber Syst	Minor
AAEC	1264	Peace Economics	Minor
AAEC	3204	Intl Agri Dvlp & Trad	Prereq, Minor
AAEC	3324	Environ Sustain Dev Econ	Prereq, Minor, 2x
AAEC	4464	Water Resources Policy & Econ	Prereq, Minor, 2x
AFST	1714	Intro African American Studies	Minor, 2x
AFST	1814	Intro to African Studies	
AFST	3864	Development and Hum in Africa	Minor
AHRM	2404	Consumer Rights	
AINS	1104	Intro American Indian Studies	Minor
ALS	4204	Concepts Comm Food Systems	Prereq, Minor
ARBC	2774	Arab Culture and Civilization	
ART	3174	Introduction to Archaeology	Minor
BDS	2005	Fundamentals of BDS	Minor
BDS	2006	Fundamentals of BDS	Prereq, Minor
BDS	3134	Choice and Behavior	Prereq
BIT	2164	Foundations Security Environ	Minor
BSE	4554	Creating the Ecological City	Prereq, Minor
CMST	2134	Intro to Health Communication	Minor
COMM	1014	Introduction to Communication	
COMM	2084	Media and Society	Minor
CRIM	4474	Cyber Criminology	Prereq, Minor
CS	2164	Foundations Security Environ	Minor
ECON	1104	Economics of Gender	2x
ECON	1204	Economics of Race	2x
ECON	1214	Econ Hist: Diversity&Inclusion	2x
ECON	2005	Principles of Economics	Minor
ECON	2006	Principles of Economics	Prereq, Minor
ECON	2894	Intro Philosophy Politics Econ	Minor
ECON	3034	Poverty and Discrimination	Prereq, Minor, 2x
ECON	3134	Choice and Behavior	Prereq
EDCI	2614	The Reading Mind	
EDCI	2674	Language, Culture, & Learning	2x
EDCI	3024	Issues of Schooling in the US	2x
EDCI	3144	Educ Excptnl Learners	Minor
EDCO	2004	Healthy Relationships	Minor, 2x
EDEP	2444	Motivating Yourself and Others	Minor
ENGE	1644	Global STEM Practice	Minor
ENGE	4094	Startup: Commercialization	Minor
ENGL	1504	Introduction to Linguistics	Minor
ENGL	1514	Language and Society	Minor, 2x
ENGL	3144	Language & Ethnicity in the US	Prereq, Minor
FIN	4014	Cyberlaw and Policy	Prereq, Minor
FIW	2234	Fish, Fishing, & Conservation	Minor
FIW	4114	Biodiversity Conservation	Prereq, Minor
FR	2714	French Culture & Civ	
FREC	2124	Forests, Society & Climate	Minor
FREC	2554	Leading Global Sustainability	Minor
FREC	4174	Climate Chng & Intl Policy	Prereq
FREC	4464	Water Resources Policy & Econ	Prereq, Minor, 2x
FREC	4554	Creating the Ecological City	Prereq, Minor
GEOG	1004	Intro Human Geography	
GEOG	1014	World Regions	Minor
GEOG	1115	Seeking Sustainability	Minor
GEOG	1116	Seeking Sustainability	Prereq, Minor
GEOG	2004	Water, Environment & Society	Minor
GEOG	2054	Introduction to World Politics	Minor
GEOG	2064	Global Econ and World Politics	Minor
GEOG	2244	Sustainable Urbanization	Minor

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Prereq Course has prerequisites or class restriction. Consult the timetable.

2x Course double-counts for Concept 7.

Minor Course is part of a Pathways Minor. Consult the minor checksheets.

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3 - Reasoning in the Social Sciences (continued)

Credit hours: 6 credits

Dept	Number	Title	Tags
GEOG	3104	Environ Prob Pop Dev	Minor
GEOG	4074	Medical Geography	Prereq
GER	2724	German Culture & Civ	
HD	1004	Human Development I	Minor
HD	2004	HD II: Adulthood & Aging	Minor
HD	2014	Integrative Health Practices	Minor, 2x
HD	2314	Human Sexuality	
HD	3144	Educ Excptnl Learners	Minor
HD	3954C	Study Abroad	
HIST	1025	Intro to European History	
HIST	1026	Intro to European History	
HIST	1215	Intro to World History	
HIST	1216	Intro to World History	
HIST	1224	Conquest Culture in Lat Am Emp	
HIST	1354	Conflict Security in East Asia	Minor
HIST	1515	History of Africa	
HIST	1516	History of Africa	
HIST	1764	History of Rock 'n' Roll	2x
HIST	2054	Engineering Cultures	
HIST	2484	Modern Germany	
HIST	2715	History of Technology	Minor
HIST	2716	History of Technology	Minor
HIST	3114	History of Capitalism	Minor
HIST	3144	American Environmental History	Minor
HIST	3304	World of Alexander the Great	
HIST	3374	French Empire	
HIST	3544	World War II	Minor
HIST	3554	Age of Globalization	Minor
HIST	3564	The Cold War	Minor
HIST	3724	Disease, Med, & Health	Minor, 2x
HIST	3864	Development and Hum in Africa	Minor
HNFE	2314	Active Transp for Health	Minor
HNFE	2664	Behav Theory in Hlth Promotion	Minor
HORT	2184	Plants Places Culture Globally	Minor
HORT	4554	Creating the Ecological City	Prereq, Minor
HTM	2454	Travel & Tourism Management	Minor
HTM	3484	Socio-Cult Impacts of Tourism	Minor
HUM	3204	Multicultural Communication	Minor
IDS	4094	Startup: Commercialization	Minor

Dept	Number	Title	Tags
IS	1004	Nations and Nationalities	2x
IS	2054	Introduction to World Politics	Minor
IS	2064	Global Econ and World Politics	Minor
IS	3864	Development and Hum in Africa	Minor
IS	4174	Climate Chng & Intl Policy	Prereq
JMC	2074	Introduction to Sports Media	
LAR	2554	Leading Global Sustainability	Minor
LAR	3264	People Community and Place	Prereq
LAR	4554	Creating the Ecological City	Prereq, Minor
MGT	2064	Foundations Entrepreneurship	
MGT	2354	Leadership: Mgr & Entrepreneur	Prereq, Minor
MGT	3444	Multi Diversity in Orgs	Prereq, Minor, 2x
MGT	4094	Startup: Commercialization	Minor
MN	4005	Leadership & Mgt/Ethics	Prereq, Minor
MN	4006	Leadership & Mgt/Ethics	Prereq, Minor
NR	1115	Seeking Sustainability	Minor
NR	1116	Seeking Sustainability	Prereq, Minor
NR	2554	Leading Global Sustainability	Minor
PHIL	2894	Intro Philosophy Politics Econ	Minor
PM	4744	Housing Challenges & Policies	2x
PR	2044	Principles of Public Relations	Minor
PSCI	1004	Nations and Nationalities	2x
PSCI	1014	US Gov & Politics	Minor, 2x
PSCI	1024	Comp Gov & Politics	Minor
PSCI	2054	Introduction to World Politics	Minor
PSCI	2064	Global Econ and World Politics	Minor
PSCI	2164	Foundations Security Environ	Minor
PSCI	2894	Intro Philosophy Politics Econ	Minor
PSCI	4174	Climate Chng & Intl Policy	Prereq
PSVP	2044	Peace and Violence	Minor
PSYC	1004	Introductory Psychology	Minor
PSYC	2034	Developmental Psychology	Prereq, Minor
PSYC	2044	Psychology of Learning	Prereq, Minor
PSYC	2084	Social Psychology	Prereq
PSYC	3014	Abnormal Psychology	Prereq, Minor
PSYC	3024	Human Behaviors Nat Environ	Prereq, Minor, 2x
RED	4604	Environ & Sustain Housing	Minor, 2x
RED	4604H	Environ & Sustain Housing	2x
RLCL	1004	Intro to Religion & Culture	Minor
RLCL	1004H	Intro to Religion & Culture	

Dept	Number	Title	Tags
RLCL	2054	Ethnography: Studying Culture	Minor
RLCL	2464	Religion and Science	
RLCL	2514	Asian American Experience	
RLCL	3144	Language & Ethnicity in the US	Prereq, Minor
RLCL	3204	Multicultural Communication	Minor
SOC	1004	Introductory Sociology	Minor, 2x
SOC	1014	Intro Social Anthrop	
SOC	2004	Social Problems	Minor, 2x
SOC	2014	Soc. Intimate Relationships	2x
SOC	2024	Soc of Race and Ethnicity	2x
SOC	2034	Diversity Comm Engagement	Minor, 2x
SOC	2054	Ethnography: Studying Culture	Minor
SOC	2304	Individual in Society	
SOC	2514	Asian American Experience	
SOC	3144	Language & Ethnicity in the US	Prereq, Minor
SOC	3314	Social Movements	Prereq, Minor, 2x
SPAN	2764	Intro Latino American Studies	Minor
SPAN	2774	Minority Lang & Span Context	Minor
SPAN	3494	Intro to Hispanic Linguistics	Prereq, Minor
SPAN	3544	Sounds of Spanish	Prereq, Minor
SPIA	1024	Community Service Learning	Minor
SPIA	2024	Community Systems Thinking	Minor
SPIA	2244	Sustainable Urbanization	Minor
SPIA	2314	Active Transp for Health	Minor
SPIA	2554	Collaborative Policy & Plan	Minor, 2x
SPIA	4554	Creating the Ecological City	Prereq, Minor
STL	2304	Foundations of STL	Prereq, Minor
STS	1504	Intro Science, Tech, Society	Minor
STS	2054	Engineering Cultures	
STS	2444	Global Sci & Tech Policy	Minor
STS	2464	Religion and Science	
STS	2715	History of Technology	Minor
STS	2716	History of Technology	Minor
STS	3334	Energy and Society	Minor
UH	2544	Soc Sci & Global Citizenship	
UH	2814	Soc Sci Tech Innov Soc Impact	
UNIV	1824	Pathways to Success Exploring	
WATR	2004	Water, Environment, & Society	
WATR	4464	Water Resources Policy & Econ	Prereq, Minor, 2x
WGS	1824	Intro Women's & Gender Studies	Minor

4 - Reasoning in the Natural Sciences

Credit hours: 6 credit hours (with 2 additional lab credits for students in some majors)

Dept	Number	Title	Tags
ALS	3404	Ecological Agriculture	Minor
BIOL	1014	Introduction to Biology	
BIOL	1024	Cancer Causes Treatments Costs	
BIOL	1034	Biology of Sex	
BIOL	1054	Human Biol: Cncpts Curr Issues	
BIOL	1064	Plants and Civilizations	
BIOL	1074	How Animals Think	
BIOL	1105	Principles of Biology	
BIOL	1106	Principles of Biology	

Prereq Course has prerequisites or class restriction. Consult the timetable.

2x Course double-counts for Concept 7.

Minor Course is part of a Pathways Minor. Consult the minor checksheets.

www.pathways.prov.vt.edu

4 - Reasoning in the Natural Sciences (continued)

Credit hours: 6 credit hours (with 2 additional lab credits for students in some majors)

Dept	Number	Title	Tags
BIOL	29844	Special Study	
BIOL	2984D	Special Study	
BMES	2004	Concussion Perspectives	Minor
CHEM	1015	Chemistry in Context	Minor
CHEM	1016	Chemistry in Context	Minor
CHEM	1025	Chemistry in Context Lab	
CHEM	1026	Chemistry in Context Lab	
CHEM	1035	General Chemistry	
CHEM	1036	General Chemistry	Prereq
CHEM	1045	General Chemistry Laboratory	
CHEM	1046	General Chemistry Laboratory	
CHEM	3054	Postconsumer Materials	Minor
CSES	2244	Ag Global Food Sec and Health	Minor
ENSC	1015	Found Envrion Science	Minor
ENSC	1016	Found Envrion Science	Minor
ENT	2004	Insects and Human Society	
ENT	2804	Bees: Biol, Diversity, Sustain	
FIW	2114	Prin Fish and Wildlife	Minor
FIW	2234	Fish, Fishing, & Conservation	Minor
FIW	4114	Biodiversity Conservation	Prereq Minor
FREC	2004	Forest Ecosystems	Minor
FREC	2114	Ecology of Appalachian Forests	Minor
FREC	2124	Forests, Society & Climate	Minor
FREC	2134	Plants & Greenspaces Urban Com	Minor
GEOG	1524	Intro Earth's Climate	
GEOS	1004	Introduction to Earth Science	
GEOS	1014	Evolution of Earth-Life System	
GEOS	1024	Earth Resources, Soc, & Env	Minor
GEOS	1034	Earth's Natural Hazards	Minor
GEOS	1054	Age of Dinosaurs	
GEOS	1064	Climate History	
GEOS	1104	Intro to Earth Sciences Lab	
GEOS	1124	Earth Res, Society & Env. Lab	
GEOS	2014	Mission to the Planets	
HORT	2134	Plants & Greenspaces Urban Com	Minor
ISC	1005	Integrated Sci Reasoning	
ISC	1006	Integrated Sci Reasoning	
ISC	1105	Integrated Science I	
ISC	1106	Integrated Science I	Prereq
ISC	1106H	Integrated Science I	Prereq
ISC	1115	Integrated Science Lab I	
ISC	1116	Integrated Science Lab I	Prereq
LAR	1254	Environment & Natural Systems	Minor
MINE	2114	Energy and Raw Materials	Minor
MSE	1014	Mat Science Everyday Life	Minor
MSE	2984D	Special Study	
NEUR	2464	Neuroscience and Society	Minor
PHYS	1055	Introduction to Astronomy	
PHYS	1056	Introduction to Astronomy	
PHYS	2074	Contemporary Physics	
PHYS	2205	General Physics	Prereq
PHYS	2206	General Physics	Prereq
PHYS	2215	General Physics Laboratory	Prereq
PHYS	2216	General Physics Laboratory	Prereq
PHYS	2305	Foundations of Physics	Prereq
PHYS	2306	Foundations of Physics	Prereq
PPWS	2004	Mysterious Mushrooms & Molds	
PPWS	2754	Weeds That Shape Our World	
PSYC	2064	Nervous Systems and Behavior	Prereq Minor
UH	2524	Nat Sci & Global Citizenship	

5 - Quantitative and Computational Thinking

Credit hours: 9 credits: 6 Foundational + 3 advanced/applied

Foundational (5F)

Dept	Number	Title	Tags
ACIS	1004	Accounting Foundation	Minor
BIT	2164	Foundations Security Environ	Minor
BIT	2404	Multicultural Prob Analytics	Prereq Minor
BIT	2405	Bus Stats Analytics & Model	Prereq
CONS	2304	Consumer and Family Finances	
CS	1014	Intro Computational Thinking	Minor
CS	1064	Intro to Programming in Python	Minor
CS	2164	Foundations Security Environ	Minor
ENGL	2034	Analyzing Sounds of Language	Prereq Minor
FIN	2114	Invest & Financial Literacy	
FREC	1004	Digital Planet	Minor
GEOG	1084	Digital Planet	Minor
HD	2104	Quantitative Comm Research	Minor
HIST	2604	Intro Data in Social Context	Minor
ISC	1105	Integrated Science I	
ISC	1106	Integrated Science I	Prereq
ISC	1106H	Integrated Science I	Prereq
LAR	1254	Environment & Natural Systems	Minor
MATH	1014	Precalc with Transcendental	Prereq
MATH	1025	Elementary Calculus	Minor
MATH	1026	Elementary Calculus	Prereq Minor
MATH	1225	Calculus of a Single Variable	
MATH	1226	Calculus of a Single Variable	Prereq
MATH	1524	Business Calculus	Prereq
MATH	1535	Geometry Mathematics of Design	Prereq
MATH	1536	Geometry Mathematics of Design	Prereq
MGT	2404	Multicultural Prob Analytics	Prereq Minor
PSCI	2164	Foundations Security Environ	Minor
REAL	2034	Real Estate Data Analysis	Prereq
SOC	2104	Quantitative Community Researc	Minor
SOC	2604	Intro Data in Social Context	Minor
STAT	1014	Data in Our Lives	Minor
STAT	2004	Introductory Statistics	Prereq
STS	2604	Intro Data in Social Context	Minor
UH	2744	Topics Comp Tech Soc Innov	Prereq

Advanced/Applied (5A)

Dept	Number	Title	Tags
AAEC	2104	Personal Financial Planning	
ALS	3104	Animal Breeding and Genetics	Prereq
ART	3114	Creative Code	Prereq
BDS	4194	Predicting Social Behavior	Prereq
BIT	2406	Bus Stats Analytics & Model	Prereq
CEE	3804	Computer Applications for CEE	
CMDA	2014	Data Matter	Prereq Minor
CMDA	2984E	Special Study	
CMDA	4864	Comp Mod Dta Analyt Capstone	Prereq
CS	3114	Data Structures and Algorithms	Prereq
CS	2984E	Special Study	
ECON	3054	Introduction to Forecasting	Prereq
EDCI	4244	Curr & Instr Middle Math 4-8	Prereq
ENGE	4104	Applied Exploration Innovation	Prereq
ENGL	4074	Syntax	Prereq Minor
ENGL	4144	Phonology	Prereq Minor
FREC	3004	Environmental Informatics	Prereq Minor
FREC	3214	Forest Biometrics	Prereq

Prereq — Course has prerequisites or class restriction. Consult the timetable.

2x — Course double-counts for Concept 7.

Minor — Course is part of a Pathways Minor. Consult the minor checksheets.

5 - Quantitative and Computational Thinking (continued)

Credit hours: 9 credits: 6 Foundational + 3 advanced/applied

Advanced/Applied (5A, continued)

Dept	Num	Title	Badges
FREC	4354	Forest Soil and Watershed Mgmt	Prereq · Minor
HD	3024	Community Analytics	Prereq · Minor
HTM	4354	IT & Social Media in HTM	Prereq · Minor
LAR	3044	Land Analysis & Site Planning	
MATH	2214	Intro Diff Equations	Prereq
MATH	2214H	Intro Diff Equations	Prereq
PSYC	4194	Predicting Social Behavior	Prereq
SBIO	2504	Circular Economy Analytics	Prereq
SPIA	2005	Intro to Urban Analytics	Minor
SPIA	2006	Intro to Urban Analytics	Minor
SPIA	2104	Urban Analytics for Decisions	Minor
SPIA	4464	Data & Art of Policy and Plans	Minor
STAT	3005	Statistical Methods	Prereq
STAT	3604	Statistics for Social Science	Prereq · Minor
STAT	3615	Biological Statistics	Prereq
UH	2514	QuantComp Think Global Citizen	
UH	2754	Adv Topic Comp Tech Soc Innov	Prereq
UH	2764	Adv Topic Comp Engr Soc Innov	Prereq

6 - Critique and Practice in Design and the Arts

Credit hours: 6 credits: 3 design + 3 arts, or 6 integrated design and arts

Arts (6A)

Dept	Num	Title	Badges
AHRM	1014	Design and Art for Consumers	Minor
APS	2124	Music Traditions in Appalachia	Minor
ARCH	4514	Thesis Inquiry	Prereq
ARCH	4524	Thesis Documentation	Prereq
ART	1004	Studio Art for Non-Majors	Minor
ART	1104	Language of Visual Arts	Minor
ART	1114	CT+E Play to Make	
ART	1334	Visual Arts and Culture	
ART	1984M	Special Study	
ART	2385	Surv Hist West Art	Minor
ART	2386	Surv Hist West Art	Minor
ART	2514	Drawing Concepts	Prereq
ART	2604	Intro to Creative Tech	Prereq
ART	3054	Islamic Art and Architecture	
ART	3064	Arts of China and Japan	
ART	3074	Egyptian Art and Architecture	
ART	3094	Early Mod Global Vis Culture	
ART	3184	Roman Art and Architecture	
ART	3284	Medieval Art and Architecture	
ART	3384	Renaissance Art	
ART	3484	Baroque Art and Arch	
ART	3584	19th Century Art	
ART	3674	History of Photography	
ART	3684	African-American Art	2x
ART	3884	American Art to 1914	2x
ART	4104	Interpretation of Visual Arts	Prereq · Minor
BSE	4554	Creating the Ecological City	Prereq · Minor
DANC	2004	Anatomy for Performers	2x
DANC	2014	Introduction to Dance History	2x
DANC	2024	Intro to Dance Techniques	
DANC	2104	Moving Body, Moving Mind	
DANC	3024	Int/Adv Dance Techniques	Prereq
ENGL	2744	Intro to Creative Writing	Prereq
FA	2004	Creativity & the Artistic Exp	Minor
FREC	4554	Creating the Ecological City	Prereq · Minor
GER	3474	Topics in German Cinema	
HNFE	2104	Moving Body, Moving Mind	
HORT	2164	Floral Design	Minor
HORT	4554	Creating the Ecological City	Prereq · Minor
HUM	1604	Intro Hum and Arts	
HUM	2204	The Creative Process	
IDS	2114	History of Industrial Design	
ITDS	1114	Design Appreciation	Minor
LAR	1264	Understand Represent Landscape	Minor
LAR	4154	Design Built Environment	
LAR	4554	Creating the Ecological City	Prereq · Minor
MUS	1104	Music Appreciation	
MUS	1114	Listening in the Digital Age	
MUS	2115	Survey of Western Music	
MUS	2116	Survey of Western Music	
MUS	2124	Music Traditions in Appalachia	Minor
MUS	3314	Instrumental Ensemble Music	Minor
MUS	3414	Choral Ensemble Music	Minor
SPIA	4554	Creating the Ecological City	Prereq · Minor
TA	2014	Introduction to Theatre	
TA	2024	Introduction to Acting	Minor
TA	2204	Creative Dance	
TA	2404	Intro App Collaborative Tech	Minor
TA	2984M	Special Study	
TA	3984M	Special Study	
UH	2534	Desn/Arts & Global Citizenship	
UH	2824	Arts Tech Innov Soc Impact	

Design (6D)

Dept	Num	Title	Badges
AHRM	1014	Design and Art for Consumers	Minor
AHRM	2014	Design for Consumers Studio	Prereq · Minor
ALS	2984L	Special Study	
ALS	4214	Capstone: Civic Ag Food Sys	Prereq · Minor
APS	2124	Music Traditions in Appalachia	Minor
APS	2404	Folk Cultures in Appalachia	Minor · 2x
ARCH	4514	Thesis Inquiry	Prereq
ARCH	4524	Thesis Documentation	Prereq
ART	1104	Language of Visual Arts	Minor
ART	1234	Topics in Design Non-Majors	Minor
BSE	4554	Creating the Ecological City	Prereq · Minor
CEM	3074	Global Design and Construction	Prereq
CS	2114	Softw Des & Data Structures	Prereq
ENGE	1215	Foundations of Engineering	Minor
ENGE	1216	Foundations of Engineering	Prereq · Minor
ENGE	1414	Foundations of Engr Practice	
ENGE	2094	Create!: Ideation & Innovation	Minor
ENGE	4104	Applied Exploration Innovation	Prereq
ENGL	2744	Intro to Creative Writing	Prereq
FMD	2224	Fashion Presentation Techniq.	Prereq
FREC	3364	Environmental Silviculture	Prereq · Minor
FREC	4444	Integ Forest Mgt Practicum	Prereq
FREC	4554	Creating the Ecological City	Prereq · Minor
GEOG	3314	Cartography	Prereq
HORT	2164	Floral Design	Minor
HORT	4554	Creating the Ecological City	Prereq · Minor
HTM	3424	Event Management	Prereq · Minor

Prereq — Course has prerequisites or class restriction. Consult the timetable.

2x — Course double-counts for Concept 7.

Minor — Course is part of a Pathways Minor. Consult the minor checksheets.

6 - Critique and Practice in the Arts (continued)

Credit hours: 6 credits: 3 design + 3 arts, or 6 integrated design and arts

Design (6D, continued)

Subj	Num	Title	Tags
HUM	2404	Folk Cultures in Appalachia	Minor 2x
IDS	2124	History Modern Designers	
ITDS	1114	Design Appreciation	Minor
ITDS	1224	Intro to Interior Design	
ITDS	3114	Sustainable Design & Biophilia	
LAR	1264	Understand Represent Landscape	Minor
LAR	2154	Landscape Architecture History	
LAR	4084	Land Design & Planning Studio	Prereq Minor
LAR	4154	Design Built Environment	
LAR	4554	Creating the Ecological City	Prereq Minor
MGT	2064	Foundations Entrepreneurship	
MUS	2124	Music Traditions in Appalachia	Minor
RED	2604	Residential Design	
RED	2654	Residential Environments	Prereq
RED	4664	Universal Design	Minor
SPIA	4554	Creating the Ecological City	Prereq Minor
STS	3284	Technology and Disability	Minor
TA	2204	Creative Dance	
TA	2404	Intro App Collaborative Tech	Minor
UH	2534	Desn/Arts & Global Citizenship	
UH	2855	Calhoun Trans Fusion Studio	
UH	2856	Calhoun Trans Fusion Studio	Prereq

7 - Critical Analysis of Identity and Equity in the United States

Credit hours: 3 credits (double-counted with another concept)

Subj	Num	Title	Tags
AAEC	3324	EnvironSustain Dev Econ	Prereq Minor 2x
AAEC	4464	Water Resources Policy & Econ	Prereq Minor 2x
AFST	1714	Intro African American Studies	Minor 2x
AFST	2204	Race & Gender in Rel & Cult	2x
AFST	2275	African-American History	2x
AFST	2276	African American History	2x
AFST	2644	Intro African-American Lit	Prereq 2x
AINS	2414	Identity & Inclusion in Agric	Prereq 2x
AINS	3174	Native American History	2x
ALCE	2414	Identity & Inclusion in Agric	Prereq 2x
APS	1704	Intro to Appalachian Studies	Minor 2x
APS	2404	Folk Cultures in Appalachia	Minor 2x
APS	2434	Cult Politics Music Appalachia	Minor 2x
ART	3684	African-American Art	2x
ART	3884	American Art to 1914	2x
CINE	4144	Topics in Cinema Studies	2x
COMM	2094	Comm & Issues of Diversity	Prereq
COMM	2754H	Topics in Tech Innovation	Prereq 2x
CRIM	2504	Crime & Punishment Amer Hist	2x
CRIM	3124	Murder in American History	2x
DANC	2004	Anatomy for Performers	2x
DANC	2014	Introduction to Dance History	2x
ECON	1104	Economics of Gender	2x
ECON	1204	Economics of Race	2x
ECON	1214	Econ Hist: Diversity&Inclusion	2x
ECON	3034	Poverty and Discrimination	Prereq Minor 2x
EDCI	2674	Language, Culture, & Learning	2x
EDCI	3024	Issues of Schooling in the US	2x
EDCI	3954G	Study Abroad	
EDCO	2004	Healthy Relationships	Minor 2x
ENGL	1514	Language and Society	Minor 2x
ENGL	2634	Writing and Social Justice	Prereq Minor 2x
ENGL	2644	Intro African-American Lit	Prereq 2x
FREC	4464	Water Resources Policy & Econ	Prereq Minor 2x
HD	1134	Intro to Disabilities Studies	Minor 2x
HD	2014	Integrative Health Practices	Minor 2x
HD	3954G	Study Abroad	
HIST	1115	History of the United States	2x
HIST	1116	History of the United States	2x
HIST	1764	History of Rock 'n' Roll	2x
HIST	2104	Topics in US History	2x
HIST	2264	America in the 1960s	2x
HIST	2275	African-American History	2x
HIST	2276	African-American History	2x
HIST	2504	Crime & Punishment Amer Hist	2x
HIST	3124	Murder in American History	2x
HIST	3164	Sexuality in Amer History	2x
HIST	3174	Native American History	2x
HIST	3724	Disease, Med, & Health	Minor 2x
HTM	4434	Event & Exp Wkshp	Prereq Minor
HUM	1704	Intro to Appalachian Studies	Minor 2x
HUM	2404	Folk Cultures in Appalachia	Minor 2x
HUM	3034	Theories of Popular Culture	2x
HUM	3034H	Theories of Popular Culture	2x
IS	1004	Nations and Nationalities	2x
IS	2484	Religion and Politics	2x
MGT	2204	Global Business of Pop Culture	2x
MGT	3444	Multi Diversity in Orgs	Prereq Minor 2x
MGT	4334	Ethical Leadership	Prereq Minor 2x
MGT	2984G	Special Study	
PM	4744	Housing Challenges & Policies	2x
PSCI	1004	Nations and Nationalities	2x
PSCI	1014	US Gov & Politics	Minor 2x
PSCI	2484	Religion and Politics	2x
PSYC	3024	Hum Behaviors Nat Environ	Prereq Minor 2x
RED	4604	Environ & Sustain Housing	Minor 2x
RED	4604H	Environ & Sustain Housing	2x
RLCL	2124	Religion in American Life	2x
RLCL	2204	Race & Gender in Rel & Cult	2x
RLCL	2484	Religion and Politics	2x
RLCL	3034	Theories of Popular Culture	2x
RLCL	3034H	Theories of Popular Culture	2x
SOC	1004	Introductory Sociology	Minor 2x
SOC	2004	Social Problems	Minor 2x
SOC	2014	Soc Intimate Relationships	2x
SOC	2024	Soc of Race and Ethnicity	2x
SOC	2034	Diversity Comm Engagement	Minor 2x
SOC	3314	Social Movements	Prereq Minor 2x
SPAN	3514	Span Medical Professions	Prereq 2x
SPAN	3534	Spanish Business Professions	Prereq 2x
SPAN	3564	Community Through Service	Prereq 2x
SPIA	2554	Collaborative Policy & Plan	Minor 2x
TA	2984G	Special Study	
WATR	4464	Water Resources Policy & Econ	Prereq Minor 2x
WGS	2204	Race & Gender in Rel & Cult	2x

Legend:
- **Prereq** — Course has prerequisites or class restriction. Consult the timetable.
- **2x** — Course double-counts for Concept 7.
- **Minor** — Course is part of a Pathways Minor. Consult the minor checksheets.