

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

For the full version, access www.pathways.prov.vt.edu/coursecatalog.



1 - Discourse

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



COMM	1015	Communication Skills	Minor
COMM	1016	Communication Skills	Prereq Minor
COMM	2754H	Topics in Tech Innovation	
ENGL	1105	First-Year Writing	

Foundational (1F)

ENGL	1106	First-Year Writing	Prereq
FR	3105	Gram/Composition/Conversation	Prereq
FR	3106	Gram/Composition/Conversation	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

AINS	2414	Identity & Inclusion in Agric	Prereq
ALCE	2414	Identity & Inclusion in Agric	Prereq 2x count
ALS	2204	Intro Civic Agriculture	Minor
ALS	4244	Capstone Global Food Security	Prereq Minor
APS	4414	Issues in Appalachian Studies	Prereq
APSC	4004	Contemporary Issues in APSC	Prereq
ART	4104	Interpretation of Visual Arts	Prereq Minor
BIT	4854	Analytics in Action	Prereq 2x count
BMES	2004	Concussion Perspectives	
CEE	2804	Introduction to CEE	Prereq
CEE	3304	Fluid Mech for CEE	Prereq
CEE	4804	Prof & Legal Issues	Prereq
COMM	2004	Public Speaking	Prereq Minor
COMM	2764H	Topics in Tech Innovation	Prereq
ECON	4884	Adv Philosophy Politics Econ	Prereq Minor
ENGL	2634	Writing and Social Justice	
ENGL	2744	Intro to Creative Writing	Prereq 2x count
ENGL	3024	Religion and Literature	

Advanced/Applied (1A)

ENGL	3134	Gender and Linguistics	Prereq
ENGL	3144	Language & Ethnicity in the US	Prereq
ENGL	3534	Literature and the Environ	Prereq Minor
ENGL	3764	Technical Writing	Prereq
ENGL	4164	Studies in Shakespeare	Prereq
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 count
HUM	3034H	Theories of Popular Culture	2x count
HUM	4414	Issues in Appalachian Studies	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	
ME	4015	Engineering Design & Project	

ME	4016	Engineering Design & Project	Prereq
MGT	4334	Ethical Leadership	Prereq
MGT	4854	Analytics in Action	Prereq
PHIL	4884	Adv Philosophy Politics Econ	Prereq Minor
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 count
RLCL	3034H	Theories of Popular Culture	2x count
RLCL	3144	Language & Ethnicity in the US	Prereq
SOC	3144	Language & Ethnicity in the US	Prereq
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	Minor
WGS	3134	Gender and Linguistics	Prereq

2 - Critical Thinking in the Humanities

Credit hours: 6 credits



AFST	1814	Intro to African Studies	2x count
AFST	2204	Race & Gender in Rel & Cult	2x count
AFST	2275	African-American History	2x count
AFST	2276	African-American History	Prereq 2x count
AFST	2644	Intro African-American Lit	Minor
AFST	3864	Development and Hum in Africa	Prereq Minor 2x count
APS	1704	Intro to Appalachian Studies	2x count
APS	2434	Cult Politics Music Appalachia	
ARBC	2774	Arab Culture and Civilization	
ARBC	3304	Modern Arabic Lit in Trans	
ARBC	3474	Topics in Arab Cinema	Prereq
ARCH	3115	Histories of Architecture	Prereq
ARCH	3116	Histories of Architecture	Minor
ART	1104	Language of Visual Arts	
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	3284	Medieval Art and Architecture	
ART	3384	Renaissance Art	Prereq
ART	3484	Baroque Art and Arch	
ART	3584	19th Century Art	
ART	3674	History of Photography	Prereq
BIT	4604	Data Gov, Privacy, Ethics	Prereq
CINE	2054	Introduction to Cinema	
CLA	1134	Ancient Mediterranean World	
CLA	2224	Ancient Greek & Roman Women	
CLA	2234	Classics in the Modern World	
CLA	2444	Greek and Roman Mythology	
COMM	2064	The Rhetorical Tradition	
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	
ENGL	3024	Religion and Literature	
ENGL	3424	Topics Rus Lit in Eng	
ENGL	3434	The Works of Vladimir Nabokov	
ENGL	3534	Literature and the Environment	
ENGL	4164	Studies in Shakespeare	
FR	2714	French Culture & Civ	Minor



Prereq Course has prerequisites or class restriction. Consult the [timetable](#).

2x count Course double-counts for Concept 7.

Minor Course is part of a [Pathways Minor](#). Consult the [minor checksheets](#).

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

For the full version, access www.pathways.prov.vt.edu/coursecatalog.



2 - Critical Thinking in the Humanities (continued)

Credit hours: 6 credits

FR	3314	Intro to Francophone Studies	Prereq	2x count	HIST	3864	Development and Hum in Africa	Minor	RLCL	1004H	Intro to Religion & Culture	Minor	
FR	3424	Medieval-Renaissance Culture	Prereq		HTM	3484	Socio-Cult Impacts of Tourism	Minor	RLCL	1024	Judaism, Christianity, Islam		
FR	3434	Baroque-Revolution Culture	Prereq		HUM	1324	HUM: Mod World		RLCL	1034	Religion and the Modern World		
FR	3444	From Romanticism to Belle-Apoque	Prereq		HUM	1704	Intro to Appalachian Studies	Minor	2x count	RLCL	1044	Religious Ethics	
FR	3454	WWI-Contemporary Culture	Prereq		HUM	2504	Intro Amer Studies			RLCL	1134	Ancient Mediterranean World	
FREC	2554	Leading Global Sustainability			IS	3864	Development and Hum in Africa	Minor		RLCL	1214	The Medieval World	
GER	2724	German Culture & Civ			ITAL	3305	Intro to Ital Lit in Context	Prereq		RLCL	1904	Religion and Culture In Asia	
GER	3305	Survey of German Literature			ITAL	3306	Intro to Ital Lit in Context	Prereq		RLCL	2124	Religion in American Life	2x count
GER	3306	Survey of German Literature			ITAL	3474	Topics in Italian Cinema			RLCL	2134	Judaism	
GER	3474	Topics in German Cinema			JUD	2134	Judaism			RLCL	2204	Race & Gender in Rel & Cult	2x count
HD	1134	Intro to Disabilities Studies			JUD	2414	Hebrew Bible/Old Testament			RLCL	2324	Islam	
HIST	1014	Topics in Reacting to the Past			LAR	2554	Leading Global Sustainability	Minor		RLCL	2374	Gods and Kings in India	
HIST	1025	Intro to European History			LAR	4034	Evol of the Am Land	Minor		RLCL	2384	Gandhi and Modern India	
HIST	1025	Intro to European History			MGT	4324	Bus and Prof Ethics	Minor		RLCL	2414	Hebrew Bible/Old Testament	
HIST	1026	Intro to European History			MUS	2115	Survey of Western Music			RLCL	2424	New Testament	
HIST	1115	History of the United States	2x count		MUS	2116	Survey of Western Music			RLCL	2444	Greek and Roman Mythology	
HIST	1116	History of the United States	2x count		MUS	3164	History of Electronic Music			RLCL	2504	Intro Amer Studies	
HIST	1215	Intro to World History			MUS	3164H	History of Electronic Music			RLCL	3024	Religion and Literature	
HIST	1216	Intro to World History			NR	2554	Leading Global Sustainability	Minor		RLCL	3214	Religion and Culture in India	
HIST	1354	Conflict Security in East Asia			PHIL	1204	Knowledge and Reality			RLCL	3224	Religion in China and Japan	
HIST	1515	History of Africa			PHIL	1304	Morality and Justice	Minor		RLCL	3414	Jesus in Earliest Christianity	
HIST	1516	History of Africa			PHIL	1304H	Morality and Justice	Minor		RLCL	3424	Christian Orthodoxy and Heresy	
HIST	2054	Engineering Cultures			PHIL	2115	Ancient/Medieval Philosophy			RLCL	3454	Philosophy of Religion	
HIST	2104	Topics in US History			PHIL	2116	Ancient/Medieval Philosophy			RUS	2734	Intro Rus Culture and Civ	
HIST	2114	Topics Crit Issues Euro Hist	2x count		PHIL	2125	History of Modern Philosophy			RUS	3304	Survey 19th Century Rus Lit	Prereq
HIST	2124	Topics Crit Issues World Hist			PHIL	2126	History of Modern Philosophy			RUS	3314	Survey 20th Century Rus Lit	Prereq
HIST	2224	Ancient Greek and Roman Women			PHIL	2304	Global Ethics	Minor		RUS	3424	Topics Rus Lit in Eng	Prereq
HIST	2234	Classics in the Modern World			PHIL	2894	Intro Philosophy Politics Econ	Minor		RUS	3434	The Works of Vladimir Nabokov	Prereq
HIST	2275	African-American History	2x count		PHIL	3015	Political Theory	Prereq		SOC	2604	Intro Data in Social Context	Minor
HIST	2276	African-American History	2x count		PHIL	3016	Political Theory	Prereq		SPAN	2744	Topics in Spanish Culture	
HIST	2374	Gods and Kings in India			PHIL	3024	Topics Philosophical Movements			SPAN	2754	Topics in Spanish Am Culture	
HIST	2384	Gandhi and Modern India			PHIL	3314	Ethical Theory	Minor		SPAN	2764	Intro Latino American Studies	
HIST	2604	Intro Data in Social Context	Minor		PHIL	3334	Ethics and Artific Intelligence	Prereq		SPAN	2774	Minority Lang & Span Context	
HIST	3054	The American Civil War	Minor		PHIL	3414	Aesthetics			SPAN	3304	Intro Hispanic Literature	Prereq
HIST	3114	History of Capitalism	Minor		PHIL	3454	Philosophy of Religion			SPAN	3404	Early Penin Culture & Lit	Prereq
HIST	3144	American Environmental History	Minor		PHIL	4304	Political Philosophy	Prereq	Minor	SPAN	3414	Modern Penin Culture & Lit	Prereq
HIST	3164	Sexuality in American History	2x count		PHIL	4324	Bus and Prof Ethics	Minor		SPAN	3444	Early Span-Am Culture & Lit	Prereq
HIST	3304	World of Alexander the Great			PHIL	4334	Jurisprudence	Prereq	Minor	SPAN	3464	Mod Mex/Central Am Cult Lt	Prereq
HIST	3374	French Empire			PHIL	4884	Adv Philosophy Politics Econ	Prereq	Minor	SPAN	3474	Mod Span Caribbean Cult Lit	Prereq
HIST	3544	World War II	Minor		PSCI	2894	Intro Philosophy Politics Econ	Minor		SPAN	3484	Mod Andean/S Cone Cult Lit	Prereq
HIST	3554	Age of Globalization	Minor		PSCI	3015	Political Theory	Prereq		SPAN	3564	Community Through Service	
HIST	3564	The Cold War	Minor		PSCI	3016	Political Theory	Prereq		STL	4324	Global Aspects of IP	Prereq
HIST	3654	Arab-Israeli Conflict	Minor		PSCI	4884	Adv Philosophy Politics Econ	Prereq	Minor	STS	1504	Intro Science, Tech, Society	Minor
HIST	3714	War and Medicine	Minor		RLCL	1004	Intro to Religion & Culture	Minor		STS	2054	Engineering Cultures	

Prereq Course has prerequisites or class restriction. Consult the [timetable](#).

2x count Course double-counts for Concept 7.

Minor Course is part of a [Pathways Minor](#). Consult the [minor checksheets](#).

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

For the full version, access www.pathways.prov.vt.edu/coursecatalog.



2 - Critical Thinking in the Humanities (continued)

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	3284	Technology and Disability	Minor
STS	3314	Medical Dilemmas & Hum Exper	
STS	3334	Energy and Society	Minor
TA	2014	Introduction to Theatre	Minor
TA	2024	Introduction to Acting	

UH	2554	Humanities & Global Citizenship	Minor
WGS	1824	Intro Women's & Gender Studies	2x count
WGS	2204	Race & Gender in Rel & Cult	

Credit hours: 6 credits



3 - Reasoning in the Social Sciences

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 count
AFST	1714	Intro African American Studies	Minor 2x count
AFST	1814	Intro to African Studies	
AFST	3864	Development and Hum in Africa	Minor
AHRM	2404	Consumer Rights	
AINS	1104	Intro American Indian Studies	
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
BIT	2164	Foundations Security Environ	
BSE	4554	Creating the Ecological City	Prereq Minor
COMM	1014	Introduction to Communication	
COMM	2044	Principles of Public Relations	Minor
COMM	2074	Introduction to Sports Media	
COMM	2084	Media and Society	
COMM	2134	Intro to Health Communication	
COMM	3204	Multicultural Communication	Minor
CRIM	4474	Cyber Criminology	Prereq
CS	2164	Foundations Security Environ	
ECON	1104	Economics of Gender	2x count
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 2x count
EDCI	2614	The Reading Mind	
EDCI	3004	Pre-Education Seminar	Prereq
EDCI	3024	Issues of Schooling in the US	2x count
EDCI	3144	Educ Excptnl Learners	Minor
EDCO	2004	Healthy Relationships	2x count
EDEP	2444	Motivating Yourself and Others	

ENGE	1644	Global STEM Practice	Minor
ENGE	4094	Startup: Commercialization	
ENGL	1504	Introduction to Linguistics	
ENGL	1514	Language and Society	
ENGL	3144	Language & Ethnicity in the US	
FIN	4014	Cyberlaw and Policy	Prereq
FIW	2234	Fish, Fishing, & Conservation	Minor
FIW	4114	Biodiversity Conservation	Minor
FR	2714	French Culture & Civ	
FREC	2554	Leading Global Sustainability	Minor
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
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	Prereq
HD	2014	Integrative Health Practices	Minor 2x count
HD	2314	Human Sexuality	
HD	3144	Educ Excptnl Learners	Minor
HIST	1025	Intro to European History	2x count
HIST	1026	Intro to European History	2x count
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	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	
HIST	3554	Age of Globalization	Minor
HIST	3564	The Cold War	Minor
HIST	3724	Disease, Med, & Health	2x count
HIST	3864	Development and Hum in Africa	Minor
HNFE	2314	Active Transp for Health	Minor
HNFE	2664	Behav Theory in Hlth Promotion	
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
IS	1004	Nations and Nationalities	2x count
IS	2054	Introduction to World Politics	Minor
IS	2064	Global Econ and World Politics	Minor
IS	3864	Development and Hum in Africa	Minor
LAR	2554	Leading Global Sustainability	Prereq Minor
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 count
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
PHIL	3015	Political Theory	Prereq Minor

Credit hours: 6 credits



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

For the full version, access www.pathways.prov.vt.edu/coursecatalog.

3 - Reasoning in the Social Sciences (continued)

Credit hours: 6 credits

PHIL	3016	Political Theory	Prereq	Minor	RLCL	1004H	Intro to Religion & Culture	Minor	SPAN	3494	Intro to Hispanic Linguistics	Prereq	
PSCI	1004	Nations and Nationalities	2x count		RLCL	2054	Ethnography: Studying Culture		SPIA	1024	Community Service Learning	Minor	
PSCI	1014	US Gov & Politics	Minor	2x count	RLCL	2464	Religion and Science		SPIA	2024	Community Systems Thinking	Minor	
PSCI	1024	Comp Gov & Politics	Minor		RLCL	2514	Asian American Experience		SPIA	2244	Sustainable Urbanization	Minor	
PSCI	2054	Introduction to World Politics	Minor		RLCL	3144	Language & Ethnicity in the US	Prereq	SPIA	2314	Active Transp for Health	Minor	
PSCI	2064	Global Econ and World Politics	Minor		RLCL	3204	Multicultural Communication	Minor	SPIA	2554	Collaborative Policy & Plan	2x count	
PSCI	2164	Foundations Security Environ			SOC	1004	Introductory Sociology	Minor	SPIA	4554	Creating the Ecological City	Prereq	Minor
PSCI	2894	Intro Philosophy Politics Econ	Minor		SOC	1014	Intro Social Anthrop		STL	2304	Foundations of STL	Prereq	Minor
PSCI	3015	Political Theory	Minor		SOC	2004	Social Problems	Minor	STS	1504	Intro Science, Tech, Society	Minor	
PSCI	3016	Political Theory	Minor		SOC	2014	Soc. Intimate Relationships	2x count	STS	2054	Engineering Cultures		
PSVP	2044	Peace and Violence	Minor		SOC	2024	Soc of Race and Ethnicity	2x count	STS	2444	Global Sci & Tech Policy	Minor	
PSYC	1004	Introductory Psychology			SOC	2034	Diversity Comm Engagement	Minor	STS	2464	Religion and Science	Minor	
PSYC	2034	Developmental Psychology	Prereq		SOC	2054	Ethnography: Studying Culture		STS	2715	History of Technology	Minor	
PSYC	2044	Psychology of Learning	Prereq	Minor	SOC	2304	Individual in Society		STS	2716	History of Technology	Minor	
PSYC	2084	Social Psychology	Prereq		SOC	2514	Asian American Experience		STS	3334	Energy and Society	Minor	
PSYC	3014	Abnormal Psychology	Prereq	Minor	SOC	3144	Language & Ethnicity in the US	Prereq	UH	2544	Soc Sci & Global Citizenship		
PSYC	3024	Human Behaviors Nat Environ	Prereq	2x count	SOC	3314	Social Movements	Prereq	UH	2814	Soc Sci Tech Innov Soc Impact		
RED	4604	Environ & Sustain Housing	Minor	2x count	SPAN	2764	Intro Latino American Studies		UNIV	1824	Pathways to Success Exploring		
RED	4604H	Environ & Sustain Housing	Minor	2x count	SPAN	2774	Minority Lang & Span Context		WATR	2004	Water, Environment, & Society	Minor	
RLCL	1004	Intro to Religion & Culture	Minor		SPAN	3544	Sounds of Spanish	Prereq	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)

ALS	3404	Ecological Agriculture	Minor	ENSC	1016	Found Environ Science	Minor	ISC	1106H	Integrated Science I	Prereq
BIOL	1014	Introduction to Biology		ENT	2004	Insects and Human Society		ISC	1115	Integrated Science Lab I	Prereq
BIOL	1024	Cancer Causes Treatments Costs		ENT	2804	Bees: Biol, Diversity, Sustain		ISC	1116	Integrated Science Lab I	Prereq
BIOL	1034	Biology of Sex		FIW	2114	Prin Fish and Wildlife	Minor	LAR	1254	Environment & Natural Systems	Minor
BIOL	1054	Human Biol: Cncpts Curr Issues		FIW	2234	Fish, Fishing, & Conservation	Minor	MINE	2114	Energy and Raw Materials	Minor
BIOL	1064	Plants and Civilizations		FIW	4114	Biodiversity Conservation	Prereq	MSE	2984D	Special Study	
BIOL	1074	How Animals Think		FREC	2004	Forest Ecosystems	Minor	NEUR	2464	Neuroscience and Society	
BIOL	1105	Principles of Biology		FREC	2114	Ecology of Appalachian Forests	Minor	PHYS	1055	Introduction to Astronomy	
BIOL	1106	Principles of Biology		FREC	2134	Plants & Greenspaces Urban Com	Minor	PHYS	1056	Introduction to Astronomy	
BIOL	29844	Special Study		GEOG	1524	Intro Earth's Climate		PHYS	2074	Contemporary Physics	
BMES	2004	Concussion Perspectives		GEOS	1004	Introduction to Earth Science		PHYS	2205	General Physics	
CHEM	1015	Chemistry in Context	Minor	GEOS	1014	Evolution of Earth-Life System		PHYS	2206	General Physics	Prereq
CHEM	1016	Chemistry in Context	Minor	GEOS	1024	Earth Resources, Soc, & Env	Minor	PHYS	2215	General Physics Laboratory	
CHEM	1025	Chemistry in Context Lab		GEOS	1034	Earth's Natural Hazards	Minor	PHYS	2216	General Physics Laboratory	Prereq
CHEM	1026	Chemistry in Context Lab		GEOS	1054	Age of Dinosaurs		PHYS	2305	Foundations of Physics	Prereq
CHEM	1035	General Chemistry		GEOS	1104	Intro to Earth Sciences Lab		PHYS	2306	Foundations of Physics	Prereq
CHEM	1036	General Chemistry	Prereq	GEOS	1124	Earth Res, Society & Env. Lab		PPWS	2004	Mysterious Mushrooms & Molds	
CHEM	1045	General Chemistry Laboratory		GEOS	2014	Mission to the Planets		PSYC	2064	Nervous Systems and Behavior	Prereq
CHEM	1046	General Chemistry Laboratory		HORT	2134	Plants & Greenspaces Urban Com	Minor	UH	2524	Nat Sci & Global Citizenship	
CSES	2244	Ag Global Food Sec and Health	Minor	ISC	1105	Integrated Science I					
ENSC	1015	Found Environ Science	Minor	ISC	1106	Integrated Science I	Prereq				



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

For the full version, access www.pathways.prov.vt.edu/coursecatalog.

5 - Quantitative and Computational Thinking

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



			Foundational (5F)							
ACIS	1004	Accounting Foundation	Minor	HIST	2604	Intro Data in Social Context	Minor	MATH	1536	Geometry Mathematics of Design
BIT	2164	Foundations Security Environ		ISC	1105	Integrated Science I		MGT	2404	Multicultural Prob Analytics
BIT	2404	Multicultural Prob Analytics	Prereq Minor	ISC	1106	Integrated Science I		PSCI	2164	Foundations Security Environ
BIT	2405	Bus Stats Analytics & Model	Prereq	ISC	1106H	Integrated Science I	Prereq	REAL	2034	Real Estate Data Analysis
CONS	2304	Consumer and Family Finances		LAR	1254	Environment & Natural Systems	Prereq	SOC	2104	Quantitative Community Researc
CS	1014	Intro Computational Thinking	Minor	MATH	1014	Precalc with Transcendental	Minor	SOC	2604	Intro Data in Social Context
CS	2164	Foundations Security Environ		MATH	1025	Elementary Calculus	Minor	STAT	1014	Data in Our Lives
ENGL	2034	Analyzing Sounds of Language	Prereq	MATH	1026	Elementary Calculus	Minor	STAT	2004	Introductory Statistics
FIN	2114	Invest & Financial Literacy		MATH	1225	Calculus of a Single Variable	Prereq Minor	STS	2604	Intro Data in Social Context
FREC	1004	Digital Planet	Minor	MATH	1226	Calculus of a Single Variable		UH	2744	Topics Comp Tech Soc Innov
GEOG	1084	Digital Planet	Minor	MATH	1524	Business Calculus	Prereq			
HD	2104	Quantitative Comm Research		MATH	1535	Geometry Mathematics of Design				

			Advanced/Applied (5A)							
AAEC	2104	Personal Financial Planning	Prereq	ENGL	4144	Phonology	Prereq	SPIA	2006	Intro to Urban Analytics
ART	3114	Creative Code	Prereq	FREC	3004	Environmental Informatics	Prereq	SPIA	2104	Urban Analytics for Decisions
BDS	4194	Predicting Social Behavior	Prereq	FREC	4354	Forest Soil and Watershed Mgmt	Prereq	SPIA	4464	Data & Art of Policy and Plans
BIT	2406	Bus Stats Analytics & Model	Prereq	HD	3024	Community Analytics	Prereq Minor	STAT	3005	Statistical Methods
CEE	3804	Computer Applications for CEE	Prereq	HTM	4354	IT & Social Media in HTM	Prereq	STAT	3604	Statistics for Social Science
CMDA	2014	Data Matter	Prereq	LAR	3044	Land Analysis & Site Planning		STAT	3615	Biological Statistics
CMDA	2984E	Special Study		MATH	2214	Intro Diff Equations	Prereq	UH	2754	Adv Topic Comp Tech Soc Innov
CMDA	4864	Comp Mod Dta Analyt Capstone	Prereq	MATH	2214H	Intro Diff Equations	Prereq	UH	2764	Adv Topic Comp Engr Soc Innov
ENGE	4104	Applied Exploration Innovation	Prereq	PSYC	4194	Predicting Social Behavior	Minor			
ENGL	4074	Syntax	Prereq	SPIA	2005	Intro to Urban Analytics	Minor			

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



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

For the full version, access www.pathways.prov.vt.edu/coursecatalog.



6 - Critique and Practice in the Arts (continued)

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



Design (6D)

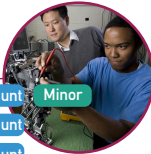
AHRM	1014	Intro Design for Consumers	Minor
AHRM	2014	Design for Consumers Studio	Prereq Minor
ALS	2984L	Special Study	
ALS	4214	Capstone: Civic Ag Food Sys	Prereq Minor
APS	2124	Music Traditions in Appalachia	
APS	2404	Folk Cultures in Appalachia	
ART	1104	Language of Visual Arts	Minor
ART	1234	Topics in Design Non-Majors	
BSE	4554	Creating the Ecological City	Prereq Minor
ENGE	1215	Foundations of Engineering	Minor
ENGE	1216	Foundations of Engineering	Prereq Minor
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	4554	Creating the Ecological City	Prereq Minor
GEOG	3314	Cartography	Minor
HORT	4554	Creating the Ecological City	Prereq Minor
HTM	3424	Event Management	Prereq Minor
HUM	2404	Folk Cultures in Appalachia	
ITDS	1114	Design Appreciation	Minor
ITDS	1224	Intro to Interior Design	
ITDS	3114	Sustainable Design & Biophilia	
LAR	1264	Understand Represent Landscape	
LAR	4554	Creating the Ecological City	
MGT	2064	Foundations Entrepreneurship	

MUS	2124	Music Traditions in Appalachia	
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	

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

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



AAEC	3324	EnvironSustain Dev Econ	Prereq Minor 2x count
AFST	1714	Intro African American Studies	2x count
AFST	2204	Race & Gender in Rel & Cult	2x count
AFST	2275	African-American History	2x count
AFST	2276	African American History	2x count
AFST	2644	Intro African-American Lit	Prereq 2x count
AINS	2414	Identity & Inclusion in Agric	Prereq
ALCE	2414	Identity & Inclusion in Agric	Prereq 2x count
APS	1704	Intro to Appalachian Studies	2x count Minor
APS	2404	Folk Cultures in Appalachia	
APS	2434	Cult Politics Music Appalachia	
ART	3684	African-American Art	Prereq
ART	3884	American Art to 1914	
CINE	4144	Topics in Cinema Studies	Prereq
COMM	2094	Comm & Issues of Diversity	Prereq
COMM	2754H	Topics in Tech Innovation	Prereq
DANC	2004	Anatomy for Performers	
ECON	1104	Economics of Gender	2x count
ECON	3034	Poverty and Discrimination	Prereq
EDCI	3024	Issues of Schooling in the US	2x count
EDCO	2004	Healthy Relationships	2x count
ENGL	2634	Writing and Social Justice	Prereq Minor 2x count
ENGL	2644	Intro African-American Lit	Prereq 2x count
HD	1134	Intro to Disabilities Studies	Prereq Minor 2x count
HD	2014	Integrative Health Practices	2x count Minor

HIST	1115	History of the United States	2x count
HIST	1116	History of the United States	2x count
HIST	2104	Topics in US History	2x count
HIST	2275	African-American History	2x count
HIST	2276	African-American History	2x count
HIST	3164	Sexuality in Amer History	2x count
HIST	3724	Disease, Med, & Health	2x count
HTM	4434	Event & Exp Wkshp	Prereq
HUM	1704	Intro to Appalachian Studies	2x count
HUM	2404	Folk Cultures in Appalachia	
HUM	3034	Theories of Popular Culture	2x count
HUM	3034H	Theories of Popular Culture	2x count
IS	1004	Nations and Nationalities	2x count
MGT	3444	Multi Diversity in Orgs	Prereq 2x count
MGT	4334	Ethical Leadership	Prereq 2x count
PSCI	1004	Nations and Nationalities	2x count
PSCI	1014	US Gov & Politics	2x count Minor
PSYC	3024	Hum Behaviors Nat Environ	Prereq 2x count
RED	4604	Environ & Sustain Housing	2x count Minor
RED	4604H	Environ & Sustain Housing	2x count Minor
RLCL	2124	Religion in American Life	2x count
RLCL	2204	Race & Gender in Rel & Cult	2x count
RLCL	3034	Theories of Popular Culture	2x count
RLCL	3034H	Theories of Popular Culture	2x count
SOC	1004	Introductory Sociology	2x count

SOC	2004	Social Problems	2x count Minor
SOC	2014	Soc Intimate Relationships	2x count
SOC	2024	Soc of Race and Ethnicity	2x count
SOC	2034	Diversity Comm Engagement	2x count Minor
SOC	3314	Social Movements	Prereq 2x count
SPAN	3564	Community Through Service	Prereq 2x count
SPIA	2554	Collaborative Policy & Plan	2x count Minor
TA	2984G	Special Study	
WGS	2204	Race & Gender in Rel & Cult	2x count

