

Approved courses for the Certificate in Systems Program, Purdue Systems Collaboratory

Required courses from the Purdue Systems Collaboratory			Credit	UCC	Cross listing	Semester	Restrictions
SYS	30000	It's A Complex World - Addressing Global Challenges	3	STS		Sp	
SYS	35000	Systems Theories and Approaches	3	STS		F/Sp	
SYS	40000	Science and Technology Policy	3			F/Sp	
Students must take at least 6 credit units from the following "Systems" related courses							
College of Agriculture			Credit	UCC	Cross listing	Semester	
AGR	20100	Communications Across Cultures	3	BSS		S/Sp	
AGEC	20400	Intro to Resource Economics and Environmental Policy	3	BSS		Sp	
FNR	22310	Introduction to Environmental Policy	3	STS	POL 22300	F/Sp	
FNR	23000	World Forests and Society	3	STS		F	
AGEC	25000	Economic Geography Of World Food And Resources	3			F/Sp	
AGRY	28500	World Crop Adaptation and Distribution	3	STS		Sp	
FNR	30200	Global Sustainability Issues	2			Sp	
NRES	30500	Environmental Decision Making	3			Sp	
SFS	31500	Energy And Resource Systems	1			Sp	
SFS	31600	Decisions Through Systems Analysis	1			Sp	
AGEC	34000	International Economic Development	3			Sp	
AGEC	35200	Quantitative Techniques For Firm Decision Making	3			F/Sp	
AGEC	40600	Natural Resource And Environmental Economics	3		FNR 40600	F/Sp	
FNR	40600	Natural Resource And Environmental Economics	3		AGEC 40600	F/Sp	
AGEC	41000	Agricultural Policy	3			Sp	
FNR	41200	Natural Resources Decision Making	3			Sp	
ABE	48500	Agricultural Engineering Project Management And Design	4			F/Sp/Sm	
AGEC	52500	Environmental Policy Analysis	3			Sp	Specific student classification restriction.
AGEC	52800	Global Change And The Challenge Of Sustainably Feeding A Growing Planet	3			Sp	Specific student classification restriction.
AGEC	59600	World Food Problems	3		NUTR 59000	Sp	Taught as a section within NUTR 59000.
College of Education			Credit	UCC	Cross listing	Semester	
EDPS	31500	Collaborative Leadership: Interpersonal Skills	3	OC		F/Sp/Sm	
EDPS	31600	Collaborative Leadership: Cross-Cultural Settings	3	BSS		F/Sp/Sm	
EDST	51200	Foundations Of Educational Policy	3			F/Sp/Sm	Specific student classification restriction.
College of Engineering			Credit	UCC	Cross listing	Semester	
EEE	25000	Environmental, Ecological, and Engineering Systems	3			F	Specific student classification restriction.
EEE	30000	Environmental And Ecological Systems Modeling	3			Sp	
IDE	30100	Professional Preparation In Interdisciplinary Engineering	1			Sp	Only open to Interdisciplinary Engr.
ENGR	30500	Fundamentals of Innovation Theory and Practice	3			Sp	
ENGR	31000	Engineering In Global Context	3			F/Sp	
CE	35500	Engineering Environmental Sustainability	4		EEE 35500	Sp	Specific student classification restriction.
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ENGR	39501	Breakthrough Thinking Complex Challenges	3			F	
CE	39800	Introduction To Civil Engineering Systems Design	3			F/Sp	
ME	41500	Energy Systems Engineering	3			Sp	
CHE	46300	Applications Of Chemical Engineering Principles	3			F	
CE	49700	Community Resilience	3		POL 42900	Sp	
AAE	56000	System-Of-Systems Modeling And Analysis	3			Sp	Specific student classification restriction.
IE	57700	Human Factors In Engineering	3		PSY057700	F/Sp	Specific student classification restriction.
College of Science			Credit	UCC	Cross listing	Semester	
STAT	11300	Statistics and Society	3	STS, IL		F/Sp/Sm	
BIOL	21100	The Social Impact Of The Biological Sciences	3			F/Sp/Sm	
EAPS	30100	Oil!	3			F	
BIOL	31200	Great Issues in Genomics and Society	3	STS		F/Sp/Sm	
EAPS	32700	Climate, Science And Society	3			F/Sp	Specific student classification restriction.
EAPS	36000	Great Issues In Science And Society	3			F	Specific student classification restriction.
EAPS	36400	Natural Hazards: Science And Society	3			Sp	Specific student classification restriction.
EAPS	37500	Great Issues - Fossil Fuels, Energy And Society	3			F/Sp	
BIOL	40300	Social Implications In Natural Sciences	3			F	
BIOL	44215	Multidisciplinary Design Of Systems And Devices For Physiology Measurements	2			F	Specific student classification restriction.
BIOL	48300	Great Issues: Environmental And Conservation Biology	3			F	
College of Health and Human Sciences			Credit	UCC	Cross listing	Semester	
NUR	22201	Population Health	2			F/Sp/Sm	Only open to Nursing or Accelerated Nursing.
PSY	24000	Introduction To Social Psychology	3			F/Sp/Sm	
CSR	34400	Fundamentals Of Negotiations	3			F/Sp/Sm	
HK	51000	Introduction To The Quantitative Methods Of Public Health	3			F	Specific student classification restriction.
NUTR	54000	Food Regulations	1			Sp	Specific student classification restriction.
PSY	57700	Human Factors In Engineering	3		IE 57700	F/Sp	Specific student classification restriction.

Krannert School of Management				Credit	UCC	Cross listing	Semester	
ECON	36700	Law And Economics	3				F/Sp/Sm	ECON 25100
ECON	45100	Game Theory	3				F/Sp	
MGMT	45800	The Regulatory Process, Consumerism, And Public Policy	3				F/Sp/Sm	Restriction on study majors.
College of Liberal Arts				Credit	UCC	Cross listing	Semester	
GSLA	10100	Global Awareness	3				F/Sp/Sm	Restriction on study majors.
HIST	10500	Survey of Global World	3	HUM			F/Sp/Sm	
PHIL	11400	Global Moral Issues	3				F/Sp/Sm	
POL	12000	Introduction To Public Policy And Public Administration	3	BSS			F/Sp/Sm	
POL	14100	Governments of the World	3	BSS			F/Sp/Sm	
COM	20400	Critical Perspectives On Communication	3				F/Sp/Sm	Must be enrolled in Pre Communication major.
ANTH	21000	Technology and Culture	3	STS			F/Sp	
SOC	22000	Social Problems	3	BSS			F/Sp/Sm	
POL	22300	Introduction to Environmental Policy	3	STS	FNR 22310		F/Sp	
COM	22400	Communicating in the Global Workplace	3	BSS			F	
HIST	30000	Eve Of Destruction: Global Crises And World Organization In The 20th Century	3	HUM			F/Sp/Sm	
COM	30300	Intercultural Communication	3				F/Sp	Specific student classification restriction.
SOC	31600	Industry And Society	3				F/Sp	
POL	32300	Comparative Environmental Policy	3				F/Sp/Sm	
COM	32400	Introduction To Organizational Communication	3				F/Sp/Sm	Specific student classification restriction.
ANTH	32700	Environment And Culture	3				F/Sp/Sm	
POL	32700	Global Green Politics	3	BSS			F/Sp/Sm	
ANTH	34000	Global Perspectives On Health	3				F/Sp	
POL	34700	Introduction To Latin American Politics	3				F/Sp	
ANTH	35200	Drugs, Culture, And Society	3		SOC 35200		F/Sp/Sm	
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COM	35300	Problems In Public Relations	3				F/Sp	Specific student classification restriction.
ANTH	37000	Ethnicity And Culture	3				F/Sp/Sm	
COM	41100	Communication And Social Networks	3				F/Sp/Sm	
POL	41300	The Human Basis Of Politics	3				F/Sp/Sm	
POL	42900	Community Resilience	3		CE49700		Sp	
COM	44400	Introduction To Communication And Social Entrepreneurship	3				F/Sp	
College of Technology (Purdue Polytechnic Institute)				Credit	UCC	Cross listing	Semester	
TECH	12000	Design Thinking In Technology	3				F/Sp/Sm	Only open to students of PPI or Exploratory Studies
TECH	12000	Technology and the Individual (Design Thinking in Technology)	3	STS, IL			F/Sp/Sm	Only open to students of PPI or Exploratory Studies
CGT	17208	Human-Centered Design And Development Learning Studio I	3				F/Sp/Sm	
MA	27900	Modern Mathematics In Science And Society	3				F/Sp	
CNIT	32000	Policy, Regulation, And Globalization In Information Technology	3				F/Sp/Sm	Must be enrolled in Comp Info Tech-BS
BCM	34000	Introduction To Healthcare Construction Management	3				F/Sp/Sm	Restriction on study majors.
OLS	34500	Critical Thinking In Organizations	3				F/Sp/Sm	
OLS	34600	Critical Thinking And Ethics	3				F/Sp/Sm	
AT	42101	Managerial Economics In Aviation	3				F/Sp/Sm	
IT	44600	Six Sigma Quality	3				F/Sp/Sm	
AT	45400	Human Factors In Aviation	3				F/Sp	Specific student classification restriction.
TLI	45570	Cross-Cultural Issues In Organizations	3				F/Sp/Sm	
AT	52500	Process Improvement And Simulation	3				F/Sp/Sm	Specific student classification restriction.
AT	55000	Critical Systems Thinking	3				F/Sp/Sm	Specific student classification restriction.

For more information on the Certificate in Systems program, visit www.purdue.edu/collaboratory or reach out to afra@purdue.edu.