TECHNOLOGY DEPARTMENT 2-YEAR PLAN OF COURSE OFFERINGS

Last Update 8-17-2016 Subject to Change

We provide two year plans as a guide to help students plan their course of study. Though every effort is made to offer the courses as planned, unforeseen changes in staffing, enrollment variations in each semester, funding, curricula and/or policies, require modifications as necessary. Students should check with their advisors with plenty of lead time in order to plan their courses to fulfill program requirements.

Please contact the Department Chair for any courses of interest that may have been omitted from this current plan or to inquire about plans for course offerings in the summer and winter sessions. Courses may be added to the schedule upon verification of student interest and instructor availability.

Department Chair: Allan Anderson   Email: aanderson@threerivers.edu

CRSE	NUM	TITLE	FALL 2016			SPRING 2017			FALL 2017			SPRING 2018		
			Day	Evening	Online	Day	Evening	Online	Day	Evening	Online	Day	Evening	Online
ARC*	K102	Architecture- World	x	x		x	x		x	x		x	x	
ARC*	K108	Construction Materials					x						x	
ARC*	K135	Construction Graphics		x						x				
ARC*	K135L	Construction Graphics Lab		x						x				
ARC*	K137	Architectural Detailing					x						x	
ARC*	K137L	Architectural Detailing Lab					x						x	
ARC*	K211	Architectural Design		x						x				
ARC*	K211L	Architectural Design Lab		x						x				
ARC*	K213	Architectural Design II					x						x	
ARC*	K213L	Architectural Design II Lab					x						x	
ARC*	K214	Sustainable Design		x						x				
ARC*	K221	Contracts & Specifications		x						x				
ARC*	K225	Alternative Building Systems							x					
ARC*	K227	Codes & Ordinances					x						x	
ARC*	K241	Site Analysis					x						x	
ARC*	K241L	LAB. Site Analysis					x						x	
ARC*	K280	Professional Practice	See Department Chair											
ARC*	K282	Trends & Issues		x						x				
ARC*	K296	Co-Op Education Work Experience	See Department Chair											
CAD*	K106	Computer-Aided Drafting	x	x		x	x		x	x		x	x	
CAD*	K107	LAB, Comp-Aided Drafting	x	x		x	x		x	x		x	x	
CAD*	K111	CAD Latest Version Update	See Department Chair											
CAD*	K124	CAD -Electrical	See Department Chair											
CAD*	K125	CAD- Electrical Lab	See Department Chair											
CAD*	K130	CAD - Industrial				x						x		
CAD*	K131	LAB. CAD - Industrial				x						x		
CAD*	K202	CAD - Advanced Topics		x						x				
CAD*	K203	LAB.CAD - Adv Topics		x						x				
CAD*	K214	CAD - Construction				x	x					x	x	
CAD*	K215	CAD - Construction Lab				x	x					x	x	
CAD*	K239	Geometric Dim & Tolerencing					x						x	
CAD*	K250	CAD 3D Parametric Modeling	x						x					
CAD*	K251	LAB. CAD 3D Parametric Model	x						x					
CIV*	K101	Civil Engineering Materials	See Department Chair											
CIV*	K146	Introduction to GIS & Lab	See Department Chair											
CIV*	K150	Surveying I	x			x			x			x		
CIV*	K151	LAB. Surveying I	x			x			x			x		
CIV*	K200	Capstone Soils					x						x	
CIV*	K201	LAB. Capstone Soils					x						x	
CIV*	K203	Civil Hydraulics					x						x	

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			Day	Evening	Online	Day	Evening	Online	Day	Evening	Online	Day	Evening	Online
CIV*	K222	Structural Design		x						x				
CIV*	K229	Construction Estimating					x							x	
CIV*	K236	Hydrology and Stormwater Drainage		x			x			x			x	
CIV*	K237	Hydrology and Stormwater Drainage Lab		x			x			x			x	
CIV*	K250	Surveying II				x						x		
CIV*	K251	LAB. Surveying II				x						x		
CIV*	K295	Co-Op Work Experience	See Department Chair												
CIV*	K296	Co-Op Education Work Experience II	See Department Chair												
CSA*	K105	Intro to Software Applications	x	x	x	x	x	x	x	x	x	x	x	x
CSA*	K205	Adv Applications					x						x	
CSC*	K108	Intro to Programming	x			x		x	x			x	x	
CSC*	K207	Intro Visual Basic				x	x					x	x	
CSC*	K208	Advanced Visual Basic	See Department Chair												
CSC*	K215	Object-Oriented Programming with C++	See Department Chair												
CSC*	K216	Interm C++ Programming	See Department Chair												
CSC*	K218	C++ Programming	See Department Chair												
CSC*	K223	Java Programming I		x		x				x		x		
CSC*	K224	Java Programming II		x		x				x			x	
CSC*	K233	Database I			x	x					x	x		
CSC*	K234	Database Devl II	See Department Chair												
CSC*	K235	LAB, Database Development III	See Department Chair												
CSC*	K241	Data Structures and Algorhythms	See Department Chair												
CSC*	K257	Web Development with PHP						x						x
CSC*	K295	Co-Op Ed/Work Experience	See Department Chair												
CSC*	K296	Co-Op Ed/Work Experience II	See Department Chair												
CST*	K145	Digital Circuits and Logic	x						x					
CST*	K153	Web Development & Design			x			x			x			x
CST*	K175	Web Network and Administration					x			x			x	
CST*	K176	Internet Technologies		x			x			x			x	
CST*	K177	Server Technologies					x			x			x	
CST*	K232	Communications & Networking					x						x	
CST*	K252	Web Development and Design II	See Department Chair												
CST*	K253	Web E-Commerce	See Department Chair												
CST*	K275	Information Security					x						x	
CTC*	K120	Fund Construction Management								x				
CTC*	K229	Construction Estimating					x						x	
CTC*	K296	Co-Op Education Work Experience	See Department Chair												
EET*	K105	Electric Circuits & Systems	x	x		x	x		x	x		x	x	
EET*	K115	Electrical Graphics Lab	See Department Chair												
EET*	K116	Electric Network Analysis	See Department Chair												
EET*	K117	Electric Network Analysis Lab	See Department Chair												
EET*	K119	Adv Circuits & Systems		x			x			x			x	
EET*	K124	Micro Computer System Analysis	See Department Chair												
EET*	K125	Micro Computer System Analysis Lab	See Department Chair												
EET*	K134	Electronics I				x						x		
EET*	K140	Energy Conversions Systems	See Department Chair												
EET*	K141	Energy Conversions Systems Lab	See Department Chair												
EET*	K144	Fnd Elec Ckts & Machines	x						x					
EET*	K145	LAB. Fd Elec Ckts & Machines	x						x					
EET*	K162	Electronic Applications	See Department Chair												
EET*	K163	Electronic Applications Lab	See Department Chair												

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EET*	K234	Electronics II	See Department Chair											
EET*	K254	Digital Electronics I	x						x					
EET*	K258	Microprocessors & Controls					x						x	
EET*	K264	Data Acquisition and Controls	x				x			x		x		
EET*	K266	Advanced Controls and Robotics				x							x	
EET*	K274	Electronic Communications Systems		x						x				
EET*	K293	Electrical Co-Op II	See Department Chair											
EET*	K295	Electrical Co-Op	See Department Chair											
EGR*	K111	Introduction to Engineering	x				x		x			x		
EGR*	K211	Engineering Statics		x						x				
EGR*	K212	Engineering Dynamics					x						x	
ENV*	K101	Environmental Studies				x	x					x	x	
ENV*	K110	Environmental Regulations				x						x		
ENV*	K130	Occupational Safety & Health	x						x					
ENV*	K146	Introduction to GIS		x						x				
ENV*	K172	Env Research Project I		x		x				x		x		
ENV*	K207	Sustainable Landscape Ecology	See Department Chair											
ENV*	K208	Long Island Sound Ecology	See Department Chair											
ENV*	K220	HAZWOPER/HAZMAT Training					x						x	
ENV*	K230	Enviromental Control Processes	See Department Chair											
ENV*	K238	Air Quality	See Department Chair											
ENV*	K242	Hydrology	See Department Chair											
ENV*	K245	Water Resources Engineering	x						x					
ENV*	K245L	LAB, Water Resources Engineering	x						x					
ENV*	K254	Nuclear Environmental Impact	See Department Chair											
ENV*	K265	Fund Measure Applications w LAB		x						x				
ENV*	K275	Environmental Control Project	See Department Chair											
ENV*	K277	Env Research Project II		x		x				x		x		
ENV*	K278	Env Research Project III		x		x				x		x		
ENV*	K279	Env Research Project IV		x		x				x		x		
ENV*	K291	Enviromental Tech Co-op	See Department Chair											
ENV*	K295	Environmental Issues Seminar					x						x	
GIS*	K146	Introduction to GIS & LAb		x						x				
MEC*	K114	Statics		x						x				
MEC*	K150	Solid Modeling I		x		x	x		x	x		x	x	
MEC*	K151	Solid Modeling I Lab		x		x	x		x	x		x	x	
MEC*	K152	Fund Engrng Graphics	See Department Chair											
MEC*	K153	Fund Engrng Graphics Lab	See Department Chair											
MEC*	K154	Solid Modeling II		x		x				x			x	
MEC*	K155	Solid Modeling II Lab		x		x				x			x	
MEC*	K231	Computer Aided Engineering	x						x					
MEC*	K232	Computer Aided Engineering Lab	x											
MEC*	K241	Thermodynamics	See Department Chair											
MEC*	K250	Strength of Materials		x						x				
MEC*	K252	LAB, Strength of Matls	See Department Chair											
MEC*	K262	Materials Science					x						x	
MEC*	K263	LAB, Materials Science					x						x	
MEC*	K270	Intro to Fluid Mechanics	See Department Chair											
MEC*	K272	Fluid Mechanics & Thermodynmcs	x			x			x			x		
MEC*	K274	Heat Transfer				x	x					x	x	
MEC*	K275	LAB, Thermal Sciences				x	x					x	x	

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MEC*	K281	Machine Design				x						x		
MEC*	K282	LAB. Machine Design				x						x		
MEC*	K286	Welding Engineering Applications				See Department Chair								
MEC*	K287	Welding Engineering Applicatons Lab				See Department Chair								
MEC*	K295	Mech Engnrng Technology Coop				See Department Chair								
MFG*	K102	Manufacturing Processes		x		x				x				x	
MFG*	K105	Manufacturing Math II				x								x	
MFG*	K116	Workplace Skills				x								x	
MFG*	K117	Quality Control/Metrology				See Department Chair								
MFG*	K118	Comp Cntrl Laser Mats Procssng				See Department Chair								
MFG*	K119	LAB. Com Cntr Lasr Mats Proc				See Department Chair								
MFG*	K121	Sheet Metal Blueprint Reading				x								x	
MFG*	K129	Introduction to Sheet Metal Fabrication				See Department Chair								
MFG*	K130	Manufacturing Processes and Tool Use				See Department Chair								
MFG*	K131	Advanced Sheet Metal Fabrication				See Department Chair								
MFG*	K134	Sheet Metal Layout				See Department Chair								
MFG*	K171	Intro to Lean Mfg				See Department Chair								
MFG*	K172	Intro Lean Supply Chain Mgmt				See Department Chair								
MFG*	K221	Mechatronics				x								x	
MFG*	K230	Statistical Process Control		x						x				
MFG*	K236	Non-Destructive Testing I				x								x	
MFG*	K237	Lab, Non-Destructive Testing				x								x	
MFG*	K239	Geometric Dimension & Tolrncng												x	
MFG*	K271	Advanced Lean Manufacturing												x	
MFG*	K272	Impl. Lean Supply Chain Mgmt												x	
MFG*	K294	Mfg Engnring Technology Coop II				See Department Chair								
MFG*	K295	Mfg Engnring Technology Coop				See Department Chair								
NUC*	K100	Intro Nuclear Systems	x						x					
NUC*	K110	Radiation Health Safety				x						x		
NUC*	K111	LAB. Rad Health Safety				x						x		
NUC*	K112	Introduction to Radiological Science	x						x					
NUC*	K117	Atomic & Reactor Physics				x						x		
NUC*	K118	Nuclear Chemistry				x						x		
NUC*	K210	Nuclear Instruments & Control				x						x		
NUC*	K211	LAB. Nuc Instr & Cntrl				x						x		
NUC*	K220	Nuclear Simulator				x						x		
NUC*	K221	LAB. Nuclear Simulator				x						x		
NUC*	K230	Nuclear Topics				x						x		
NUC*	K240	Adv Nuclear Chemistry				See Department Chair								
NUC*	K250	Reactor Theory	x						x					
NUC*	K260	Nuclear Materials Science	x						x					
NUC*	K261	LAB. Nuclear Mat Science	x						x					
NUC*	K270	Nuclear Health Physics				See Department Chair								
NUC*	K295	Nuclear CO-OP				See Department Chair								
NUC*	K296	Nuclear CO-OP II				See Department Chair								
PHO*	K101	Introduction to Light & Lasers		x		x				x				x	
PHO*	K102	Applied Optics				See Department Chair								
PHO*	K140	Optoelectronics								x					
PHO*	K230	Laser Electronics				x							x		
PHO*	K241	Introduction to Lasers				x								x	
PHO*	K242	Lab, Intro to Lasers				x								x	

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PHO*	K251	Fiber Optic System and Devices					x					x		
PHO*	K252	LAB. Fiber Optic System Device					x					x		
PHO*	K295	Photonics Co-Op	See Department Chair											
PHO*	K296	Photonics Co-Op II	See Department Chair											
TCN*	K101	Intro to Engineering Technology	See Department Chair											
TCN*	K105	Laser and Lab Safety		x			x			x			x	
TCN*	K198	Special Topics: Introduction to Solidworks	See Department Chair											
TCN*	K291	Interdisciplinary Capstone Project	x			x			x			x		
TCN*	K295	General Engineering Tech Co-Op												
TCN*	K296	General Engineering Tech Co-Op II	See Department Chair											