



Credit Transfer Pathway
FVTC Program: Agricultural Engineering Technology Individual Studies
UW-River Falls Program: Agricultural Engineering Technology
Academic Year: 2011-12

FVTC			UW-River Falls		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-003-127	Introduction to Ag Engineering	3.00	AGEN 150	Intro to Ag Engineering	3.00
10-006-141	Plant Science	3.00	CROP 161	or Intro to Plant Sci	3.00
10-006-143	Introduction to Soils	3.00	SOIL 120	Intro to Soil Science	3.00
10-003-118	Ag Diesel Engine Systems	3.00	AGEN 320	Internal Combustion Eng	3.00
10-003-131	Ag DC Electrical Systems	3.00			
10-003-120	Ag Planting Equipment	3.00	AGEN 361	Machinery and Power	4.00
10-003-121	Ag Grain Harvesting	3.00			
10-003-130	Ag Forage Harvesting Equipment	2.00			
10-006-135	Ag GPS Application	2.00	AGEN 363	Precision Ag	3.00
10-003-165	Feed/Grain/Animal Waste System	2.00	AGEN 365	Waste Mgt	3.00
10-003-166	AG/OPE Welding	2.00	AGEN 255	Welding	3.00
10-006-113	Agribusiness Overview	3.00	Agen 185	Fresh seminar	1.00
			Agen 285	Soph seminar	1.00
10-140-122	Global Understanding	3.00	GP	Global Perspectives course	3.00
10-003-110	Agriculture Hydraulic Systems	2.00			
Technical Studies		37.00			30.00
10-804-115	College Technical Math 1	5.00	PHYS 151/PHYS 156	General Physics 1 lec and lab	5.00
10-806-143	College Physics 1 (prerequisite: 10-804-115)	3.00			
10-806-134	General Chemistry (prereq: ACCUP or 10-804-115)	4.00	CHEM 120	Intro to Gen Chem	6.00
10-801-195	Written Communication	3.00	ENGL 100	Academic Reading and Writing	3.00
10-801-196	Oral/Interpersonal Comm	3.00	COMS 101	Fund of Oral Com	3.00
10-809-172	Race, Ethnic and Diversity Studies	3.00	PSYC 285	Psych of Prejudice and Racism	3.00
10-809-166	Intro to Ethics	3.00	PHIL 240	Social Ethics	3.00
Choose 2 of the following:					
10-809-195	Economics (3.00 credits)	6.00	ECON 100 PSYC 101 SOCIO 100	Modern Economics General Psychology Intro to Sociology	6.00
10-809-198	Intro to Psychology (3.00 credits)				
10-809-196	Intro to Sociology (3.00 credits)				
General Education		30.00			29.00
Recommended Electives		0.00			0.00
Total credits needed at FVTC to complete degree		67.00	Transfer credits to UWRF Total		59.00
Additional FVTC Courses (Calculus at FVTC or UWRF)*:		8.00			
10-804-116	College Technical Math 2 (prereq: 10-804-115)	4.00	MATH 166	Calculus for Science & Math	4.00
10-804-198	Calculus 1 (prerequisite: 10-804-116)	4.00			
Total credits transferred to UW-River Falls		75.00	Total Credits Applied Toward Major		63.00

*Note: If FVTC students satisfy 4 credits of MATH 166 through transfer, a minimum of 57 credits would be required at UW-River Falls to complete the degree.

Additional courses needed to complete degree at UWRF:		
Course No.	Course Title	Credits
MATH 166*	Calculus for Science & Math (may need additional math courses to prepare for calculus)	4.00
ENGL 200	Investigating Ideas (CA – Advanced Communication course)	3.00
HF	Humanities and Fine Arts course	3.00
PED 108	Health and Fitness for Life	1.00
PE-2	Activity courses (2 at 0.5 credit each)	1.00
EC	Ethical citizenship course	3.00
AGEC 230	Ag Econ 1	3.00
Below courses to be taken at UWRF-in Ag Eng Tech option		
AGEN 240	Structures	3.00
AGEN 350	Applied Electricity	3.00

AGEN 352	Food and Process Engineering	3.00
AGEN 355	Irrigation and Drainage	3.00
AGEN 385	Ag Eng Tech Prof Seminar III	1.00
AGEN 485	Ag Eng Tech Prof Seminar IV	1.00
GENG 121	Engineering Drawing	3.00
GENG 245	Materials Design Requirements	3.00
GENG 265	Engineering Graphics	3.00
GENG 450	Engineering Project Management	3.00
AGEN 451	Ag Instrumentation and Electronics	2.00
GENG 235	Surveying	3.00
AFES 492	Experiential Learning (MD - Multi-disciplinary Inquiry course)	3.00
	Ag Eng Tech electives	6.00-7.00
Subtotal:		58.00- 59.00
Select 1 of these courses:		
AGEN 425	Environmental Engineering	4.00
AGEN 443	Controlled Environmental Systems	3.00
AGEN 465	Fluid Power Systems	2.00
Total credits taken at UWRF		61.00-63.00
Credits accepted from FVTC		59.00
Total credits needed to complete degree:		120.00