

Non-credit Course Equivalents for Advanced Standing

CCAC Non-credit Course (completion of)	# of credits awarded	CCAC Credit Course Equivalent(s) (Course # & Title)	Applies to CCAC Program/Major	NOTES
XGH-301 Mechatronics	17	MEC-108 Programmable Logic Controllers 1 (PLC) EGR-170 Fluid Power Systems MEC-156 Motors & Motor Controls EET-103 Introduction to Electronics	300 Electronic Engineering Technology 723 Mechatronics, cert 722 Mechatronics, A.S.	
XGC-600 EMT Certification	3	FSA Restricted Elective	330 Fire Science Administration	Accepted for 3 credits of a restricted elective.
XGC-599 Emergency Medical Responder	3	FSA Restricted Elective	330 Fire Science Administration	Accepted for 3 credits of a restricted elective.
XEN-100 Renewable/Alternative Energy Technologies Program Tier 1	4	EGR-130 Introduction to Renewable Energy Systems	490 Green & Sustainable Building Design	
XGM-905 American Sign Language – Educational Settings XGM-910 ASL – Written Test Preparation for Interpreter XGM-912 ASL – Special Populations XGM-913 ASL – Performance Test Preparation for Interpreters XGM-914 ASL – Team Interpreting XGM-918 ASL – Working with Individuals XGM-920 ASL – Knowledge Test Preparation for Interpreters	4	ITP-206 Interpreter Ethics	915 ASL Interpreting	All 7 courses <u>combined</u> are equivalent of the 4-credit course listed.
XGM-902 American Sign Language – Interpreting Basics XGM-906 ASL – Sign to Voice XGM-909 ASL – Voice to Sign XGM-921 ASL – Interpreting Voice to Sign	3	ITP-105 Introduction to Interpreting	915 ASL Interpreting	All 4 courses <u>combined</u> are equivalent of the 3-credit course listed.
XUS-030 Welding I – Shielded Metal XUS-057 Welding II – Piping – Advanced XUS-059 Welding III – MIG & Stainless XUS-061 Welding 1 – Carbon Steel XUS-063 Burning & Tack Welding XUS-179 Welding Structural Extension	9	WLD-101 Welding Fundamentals WLD-102 Advanced Welding WLD-201 Preparation for Welding Certification	316 Welding	All 6 courses <u>combined</u> are equivalent of the 3 credit courses listed for 9 total credits.

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XUS-084 Electric Motor Theory XUS-085 Electrical Motor Controls XUS-142 Electrical Print Reading XUS-149 Basic Electricity 1 XUS-154 Basic Electricity 2 XUS-155 Basic Electricity 3 XUS-183 Electrical Transformers XUS-187 Hydraulics XUS-194 AC/DC Fundamentals	4	EET-103 Introduction to Electronics	300 Electronic Engineering Technology 723 Mechatronics, cert 722 Mechatronics, A.S.	All 9 courses <u>combined</u> are equivalent of the 4-credit course listed.
XGH-319 Certified Production Technician (CPT)	6	MEC-100 Mechatronics Safety & Quality MEC-102 Mechatronics Industrial Processes	723 Mechatronics (Cert) 722 Mechatronics (A.S.)	CPT is a credentialed Manufacturing Skills Standards Council (MSSC) certification.
XGH-322 Manufacturing Technician Level 1 (MT1)	6	MEC-107 Manufacturing Tech: Math/Tec/Reas MEC-109 Manufacturing Tech: Proc/Cnt/Qu	723 Mechatronics (Cert) 722 Mechatronics (A.S.)	

NOTE: Fire fighter certifications that convert to FSA program credits are all Pro-Board certifications, not CCAC non-credit courses. CCAC provides classes to help students become eligible to take the Pro Boards.