

WESTERN NEW MEXICO UNIVERSITY
Degree Plan - AAS in Environmental Electrician (5392)
Department of Applied Technology

Student Name: _____	ID#: _____
Address: _____	Email: _____
	Telephone: _____
Catalog Authority: _____	Expected Completion: _____
Advisor: _____	

Deadline for Application for Graduation: June 1st for Fall; September 1st for Spring; February 1st for Summer

GENERAL EDUCATION REQUIREMENTS (15)

Fixed 12: At least 12 credit hours of courses from four of the following six content areas PLUS 3 credits Flex Hours:

Applied Liberal Arts and Sciences (3)

ALAS 1810 HUM, ALAS 1820 Soc/Behav Sciences or ALAS 1830 STEM Course: _____ (3) _____

Course(Credits)	Sem/Year	Grade	Course(Credits)	Sem/Year	Grade
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Area I - Communications (3) ¹ **ENGL 1110 Pre-requisite/Co-req** **Area IV - Social and Behavioral Sciences (3)**

ENGL 1120 Composition II ¹ COMM 1130 Public Speaking COMM 1140 Intro to Media Writing COMM 2140 Small Group Communication Course: _____ (3) _____	ANTH 1140 Intro to Cultural Anthropology ECON 1110 Survey of Economics ECON 2110 Macroeconomic Principles ECON 2120 Microeconomic Principles GEOG 1120 World Regional Geography GEOG 1130 Human Geography POLS 1110 Intro to Political Science POLS 1120 American National Government PSYC 1110 Intro to Psychology SOC 1110 Intro to Sociology SOC 2310 Contemporary Social Problems Course: _____ (3) _____
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Area II - Mathematics (3) ² **BCIS 1110 is Pre-requisite/Co-req**

MATH 1010 Mathematics for School Teachers MATH 1130 Survey of Mathematics ² MATH 1220 College Algebra ² MATH 1350 Introduction to Statistics ² MATH 1510 Calculus I ² Course: _____ () _____	ENGL 1410 Intro to Literature ENGL 2310 Intro to Creative Writing HIST 1110 United States History I HIST 1120 United States History II HIST 1150 Western Civilization I HIST 1160 Western Civilization II PHIL 1115 Intro to Philosophy Course: _____ (3) _____
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Area III - Science (4)

Pick **one** course (plus lab) from the following:

BIOL 1110/1110L General Biology & Lab BIOL 1140/1140L5 Biology for Health Sciences & Lab BIOL 2110/2110L Principles of Biology: Cell/Molecular & Lab BIOL 2210/2210L Human Anatomy & Physiology I & Lab BIOL 2642/2642L Plant Form, Function and Diversity & Lab BIOL 2644/2644L Animal Form, Function and Diversity & Lab CHEM 1120/1120L Intro to Chemistry & Lab CHEM 1215/1215L General Chemistry I for STEM Majors & Lab GEOL 1110/1110L Physical Geology & Lab GEOL 1120/1120L Environmental Geology & Lab GEOL 2110/2110L Historical Geology & Lab PHSC 1120/1120L Forensic Science I & Lab Course: _____ (4) _____	Area VI - Creative & Fine Arts (3-4) ARTS 1250 Design II ARTS 1410 Intro to Photography ARTS 1610 Drawing I ARTS 1630 Painting I ARTS 2321 Appreciation of Clay ARTS 2841 Appreciation of Sculpture MUSC 1130 Music Appreciation Course: _____ () _____
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Environmental Electrician Core Requirements (62 hours)

Course(Credits)	Sem/Year	Grade	Course(Credits)	Sem/Year	Grade
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ELT 121 Basic Elec Constr Math (3) _____ ELT 123 Basic Elec Tools/Safety (3) _____ ELT 124 Intro NEC Safety/Plans (3) _____ ELT 125 Elec Thry/Blueprint/Cond (3) _____ ELT 126 Elec Appl/Wiring Method (4) _____ ELT 127 Intr A/C, Motor Th, NEC (3) _____ ELT 129 Conductor Term & Grnd (3) _____ ELT 130 Electrical Svc Installation (4) _____ ELT 235 Cond Load Calc/Overcurr (3) _____ ELT 237 Motor Operation/Cntrls (4) _____	ENVE 200 Photovoltaic Design Pri (3) _____ ENVE 205 Solar Site Analysis (3) _____ ENVE 250 Wind Power (3) _____ ENVE 255 Des/Assess Wind Turb (3) _____ IMP 120 Intro Valve/Pump/Drvr (2) _____ IMP 200 Intro to Bearings (3) _____ IMP 210 Pipe Compositions (2) _____ IMP 250 Hydraul Sys/Flow/Levl (2) _____ IMP 265 Electronic Theory (2) _____ WLDT 155 Shield Metal Arc Wld I (3) _____ WLDT 166 Tig Welding (3) _____
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Note: Please see Dept. Advisor about Industry and NCCER certifications

Total Credit Hours (minimum of 77 required): _____

Original completed on (date): _____ **Copy to Registrar on (date):** _____

Student Signature: _____ **date:** _____

Advisor Signature: _____ **date:** _____