

**DEGREE/PROGRAM CHANGE
FORM C
Form Number: C1849**

Fields marked with * are required

Name of Initiator: Loretta Notah **Email:** billie@unm.edu **Phone Number:** 505 863-7523 **Date:** 04-12-2016

Associated Forms exist? Yes Initiator's Title Admin Assistant II: Gallup Branch
Faculty Contact Samir Wahid Administrative Contact Frank Loera
Department Applied & Business Technology Admin Email floera@unm.edu
Branch Gallup Admin Phone (505) 863-7705

Proposed effective term

Semester Spring Year 2017

Course Information

Select Appropriate Program Undergraduate Degree Program
Name of New or Existing Program (NEW) AA Environmental Planning & Design (GA)
Select Category Degree Degree Type AA
Select Action New

Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.

See current catalog for format within the respective college (upload a doc/pdf file)

[AA EPD curriculum.docx](#)

Does this change affect other departmental program/branch campuses? If yes, indicate below.

Reason(s) for Request (enter text below or upload a doc/pdf file)

The AA Degree in Environmental Planning and Design will meet the needs of Gallup and the surrounding communities, by offering a pathway that interests our future full-time students. This is based on 50 questionnaires that were given to our dual enrolled students in the Center for Career and Technical Education (CTE) program. In addition, the interest and attendance to the free workshops that were offered indicated a high interest in this area. The Department of Labor indicates that we will have a higher than average growth rate in the next twelve years.

Upload a document that includes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications.(upload a doc/pdf file)

[UNMGnewAssociate of Arts in Environmental Planning and Design Executive Summary-modified.docx](#)

Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

[UNMGnewAssociate of Arts in Environmental Planning and Design Executive Summary-modified.docx](#)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)

[Preliminary Proposal Approval AA EPD UNM-G 09-02-15.pdf](#)



DATE: September 2, 2015

TO: Frank Loera, Division Chair, Business & Applied Technology

FROM: Gregory L. Heileman, Associate Provost for Curriculum *GAH*

RE: Approval of Preliminary Proposal for AA In Environmental Planning & Design

CC: Chaouki Abdallah, Provost and EVP for Academic Affairs
Christopher Dyer, Director, UNM-Gallup
Kenneth Roberts, Dean of Instruction, UNM-Gallup
Carolyn Montoya, Faculty Senate Curricula Committee Chair
Faculty Senate Undergraduate Committee Chair
Nancy Middlebrook, University Accreditation Director
Elizabeth Barton, Associate Registrar

Thank you for submitting the preliminary review proposal for the AA in Environmental Planning & Design. The budgetary and enrollment projection information provided was especially helpful for this preliminary review. In my judgment, the proposal is sufficiently well developed to advance through the stages of faculty review and approval. Please proceed.

NEW ASSOCIATE OF ARTS IN ENVIROMENTAL PLANNING AND DESIGN PROPOSAL
Program Content and Quality- 62 Credits of transferable courses

UNM Academic Core	AAEPD Content Core	Community & Regional Planning Concentration Requirements
Writing and Speaking (9 cr) English 110 Developmental English I (3cr) English 120 Developmental English II (3cr) One Additional Course (3cr)	CRP 165 Introduction to Community and Regional Planning (3cr) CJ 225 Small Group Comm (3cr) Physical World: SUST 134 Introduction to Environmental, Social and Economic Health (3cr)	CRP 265 Community Planning Meth (3cr) One Statistics course in any discipline (3cr)
One Mathematics Course (3cr) Physical and Natural Sciences (4cr) Two courses, both including labs (4cr) Social and Behavioral Sciences: CRP181 Intro to Environmental Problems (3cr) PSY 105 General Psychology (3cr) or SOC 101 Introduction to Sociology	Philosophy and Ethics: AMST 182 Introduction to Environment, Science and Technology (3cr) Art and Design: (Select One) ARCH 109 Design Fund or (3cr) ARTS 187 Introduction to Photography	One of the following: ECON 105 Introduction to Macroeconomics Or ECON 106 Introduction to Microeconomics Total Community & Regional Planning Concentration Requirements 9cr
Two Humanities Courses (6cr) One Foreign language Course (3cr) One Fine Arts Course: ARCH 121 Intro to Architecture (3cr)	*Total AAEPD Content Core 15cr	* Electives (0cr) *Total Electives 0cr
Total Credits for UNM Academic Core 38cr		

The new program change will meet articulation criteria with the UNM School of Architecture and panning Bachelor of Arts in Environmental Planning and Design * Electives modified to -0- AAEPD Core raised 3 credits to -15-

UNM-GALLUP BRANCH NEW ASSOCIATE OF ARTS IN ENVIRONMENTAL PLANNING AND DESIGN PROPOSAL

Executive Summary

Proposal and Program Description

The University of New Mexico-Gallup Business and Technology department is requesting approval of an Associate of Arts Degree in Environmental Planning and Design. The creation of a new Associate of Arts degree in Environmental Planning and Design will be structured so it can articulate to the University of New Mexico Bachelor of Arts in Environmental Planning and Design in the UNM School of Architecture and Planning. The UNM Albuquerque School of Architecture and Planning contact person is Dr. William Fleming, Professor of Architecture who supports this change and will help in the curriculum process.

The new Associate of Arts degree in Environmental Planning and Design fits UNM Gallup Branch mission by meeting and pursuing a mechanism essential to a learner-center institution. Furthermore, this program demonstrates the UNM Gallup's commitment to being responsive to community and student needs. Moreover, this new Associate of Arts degree in Environmental Planning and Design meets UNM Albuquerque's mission by educating and encouraging students to contribute to planned growth in the area cognizant of environmental and sustainability concerns.

Evidence of Need

An Associate of Arts degree in Environmental Planning and Design will meet the needs of Gallup and surrounding communities by offering pathway that future full time students have interest in. A questionnaire given to 50 dual enrolled students in the Center of Career and Technology Education (CCTE) regarding a program in environmental studies indicated the following regarding four categories of educational pathways. Most students chose design, entrepreneurship, sustainable landscapes as a future educational pathway followed by alternative energy, humans / the physical world, ecology, sustainable agriculture. Third was green building, energy efficiency, sciences, economics, regional issues, management, health, and ultimately social issues, politics, communications, history, anthropology (Addendum A).

In total, of the 50 questionnaires completed, 27 students said they want to go elsewhere for further education. Eleven want to stay local, and six want to go as far as they can locally and then transfer. By program, just over half the Cosmetology students want to continue their studies elsewhere; one third of them would sign up for the sustainability program. In Construction Technology, two thirds want to continue their studies elsewhere and two thirds would also sign up for the program. In Welding, approximately one quarter want to go elsewhere to study, and approximately one half would be interested in the program. In Auto Mechanics, three quarters want to pursue education elsewhere, and half are interested in the program.

The 2010-2020 Estimated Employment Projections Unit NMDWS forecast growth in the Annual Average Openings by New Mexico Industry in Architecture & Engineering and Management, both industries where this pathway is located. The New Mexico Green Jobs Report:2011 report describes Professional and Technical Services as the highest area of employment in green jobs followed by Specialty Trade Contractors both sectors forecasted to continue growing up to the end of the forecast at 2019. The U.S. Bureau of Labor Statistics Architecture and Engineering section indicates a 2012-2022 job outlook growth of 15% (faster than average) for Environmental Engineers and a 10% growth for Urban and Regional Planners. Skills for all green job areas listed can be covered with this new pathway. While UNM Gallup is represented in the New Mexico Green Jobs Report report as a green construction education institute, this campus must meet the demands for planning, engineering, designing, and managing sustainability and green growth in this region as well. The dual credit high school student survey points us directly in this direction as a desired and needed educational pathway.

Required Resources

All academic core courses required in this new AA degree in Environmental Planning and Design are offered at the UNM Gallup Branch. A discussion with the current Division Chair of Math & Science, Dr. Bruce Gjeltema was welcoming of this new program and assuring that the academic core courses will be available to absorb any new students in this degree pathway. This will ease the process of ensuring that courses articulate. All content core courses are currently offered at the UNM Gallup Branch except for CRP 265 Community Planning Methods and SUST134 Introduction to Environment, Science and Technology. Current faculty here at UNM-Gallup can offer these courses with no additional hire. Full time and Part time faculty and Technology needs will not change. Additional space is not needed. Student Services will be impacted only with a new pathway to offer within the Business and Applied Technology Division.

UNM-GALLUP BRANCH NEW ASSOCIATE OF ARTS IN ENVIROMENTAL PLANNING AND DESIGN PROPOSAL

NEW ASSOCIATE OF ARTS IN ENVIROMENTAL PLANNING AND DESIGN PROPOSAL Program Content and Quality- 62 Credits of transferable courses

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One Mathematics Course (3cr) Physical and Natural Sciences (4cr) Two courses, both including labs (4cr) Social and Behavioral Sciences: CRP181 Intro to Environmental Problems (3cr) PSY 105 General Psychology or (3cr) SOC 101 Introduction to Sociology	Philosophy and Ethics: AMST 182 Introduction to Environment, Science and Technology (3cr) Art and Design: (Select One) ARCH 109 Design Fund or (3cr) ARTS 187 Introduction to Photography *Total AAEPD Content Core 15cr	* Electives (0cr) *Total Electives 0cr
One Foreign language Course (3cr) One Fine Arts Course: ARCH 121 Intro to Architecture (3cr) Total Credits for UNM Academic Core 38cr		

The new program change will meet articulation criteria with the UNM School of Architecture and Planning Bachelor of Arts in Environmental Planning and Design * Electives modified to -0- AAEPD Core raised 3 credits to -15-

Evaluation and Assessment

The program learning outcomes will be measured by grades, course evaluation(during the semester and end-of the semester), observation of students performing task, analysis of student work programs (exams, essays, oral presentation), graduation rates, and the number of students progressing to advance degrees.

Student Learning Outcomes

Broad Learning Goals

Students will demonstrate proficiency in oral and written communication.

UNM-GALLUP BRANCH NEW ASSOCIATE OF ARTS IN ENVIRONMENTAL PLANNING AND DESIGN PROPOSAL

Students will verbalize facts and background context about Environmental Planning and Design topics, and demonstrate competency in how to take action and to influence others.

Students will understand about values directing Americans' attitudes toward nature, science and technology and to the impacts of those attitudes on built and natural environments regionally, nationally and globally

Student Learning Outcomes

Students will communicate effectively both written and orally.

Students will organize and coordinate community action in sustainability projects

Students will be able to understand values directing local community attitudes toward nature, science and technology and to the impacts of those attitudes on built and natural environments regionally, nationally and globally

Projected Enrollment and Cost

Initial enrollment estimated at 30 with a five year projected increase to 48 students.

Costs estimated at one additional course per semester at TPT rate.

See Excel Spreadsheet Attached named *University of New Mexico Gallup Campus Associate of Arts Degree in Environmental Planning and Design Assumptions*

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