Program Change Request

Date Submitted: 08/28/23 1:04 am

Viewing: RNRG : Renewable Energy Interdisciplinary Minor

Last approved: 03/28/23 1:11 pm

Last edit: 03/21/24 3:00 pm

Changes proposed by: prubin

Catalog Pages Using this Program

Renewable Energy Interdisciplinary Minor

Are you completing this form on someone else's behalf? No

Effective Catalog: 2024-2025

Program Level: Undergraduate

Program Type: Minor

Title: Renewable Energy Interdisciplinary Minor

Banner Title: Renewable Energy Interdiscipl

Registrar's Office Use Only – Program Start Term

Registrar/OAPI Use Only – SACSCOC Status

College/School: College of Science

Department / Academic Unit: Physics & Astronomy

Jointly Owned Program? No

Justification

In Workflow

1. **PHYS UG Committee**
2. **PHYS Chair**
3. **SC Curriculum Committee**
4. SC Assistant Dean
5. Assoc Provost-Undergraduate
6. Registrar-Programs

Approval Path

1. 03/12/24 10:28 pm Philip Rubin (prubin): Approved for PHYS UG Committee
2. 03/18/24 2:29 pm Ernest Barreto (ebarreto): Approved for PHYS Chair

History

1. Nov 14, 2017 by clmig-jwehrheim
2. Feb 22, 2018 by rzachari
3. Feb 3, 2019 by Philip Rubin (prubin)
4. Mar 16, 2020 by Tory Sarro (vsarro)
5. Jan 29, 2021 by Philip Rubin (prubin)

6. Mar 28, 2023 by Philip Rubin (prubin)

What: Remove a discontinued elective course (EVPP 472) and replace a discontinued elective course (COMM 303) with an equivalent course (COMM 309).
Why: To prepare the listing for catalog publication.

Catalog Published Information

Total Credits Required: Total credits: 15-17

Registrar's Office Use Only - Program Code: RNRG

Registrar/IRR Use Only – Program CIP Code

Admission Requirements:

Program-Specific Policies:

Policies

Eight credits of coursework must be unique to the minor and students must complete all coursework with a minimum GPA of 2.00. For policies governing all minors, see AP.5.3.4 Minors.

Degree Requirements:

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Core Courses

Complete the following core courses:

RENE 131	Introduction to Renewable Energy	3
RENE 411	Renewable Energy Internship	3
Total Credits		6

Minor Options

Choose three courses, including: 9 - 11

One (1) course (3 credits) from Category A
One (1) course (3-4 credits) from Category B

One (1) course (3-4 credits) from Category C or one (1) 300-400 level course (3-4 credits) from Category A or Category B

Category A: Economics and Policy

ECON 100	Economics for the Citizen (Mason Core)
or ECON 103	Contemporary Microeconomic Principles (Mason Core)
or ECON 104	Contemporary Macroeconomic Principles (Mason Core)
or ECON 105	Environmental Economics for the Citizen (Mason Core)
ECON 309	Economic Problems and Public Policies
ECON 335	Environmental Economics
ECON 435	Economics of Energy (Mason Core)
EVPP 338	Economics of Environmental Policy
EVPP/GOVT 361	Introduction to Environmental Policy
EVPP 432	Energy Policy
GGS 303	Geography of Resource Conservation (Mason Core)
GGS 307	Geographic Approaches for Sustainable Development
GOVT 304	American State and Local Government
GOVT 364	Public Policy Making

Category B: Science and Technology

CEIE 100	Environmental Engineering around the World (Mason Core)
CHEM 101	Introduction to Modern Chemistry (Mason Core)
or CHEM 102	Chemistry for Changing Times (Mason Core)
or CHEM 103	Chemical Science in a Modern Society (Mason Core)
or CHEM 104	Chemistry for Changing Times (Mason Core)
or CHEM 155	Introduction to Environmental Chemistry I (Mason Core)
or CHEM 211	General Chemistry I (Mason Core)
or CHEM 271	General Chemistry for Engineers Lecture (Mason Core)
CHEM 156	Introduction to Environmental Chemistry II (Mason Core)
or CHEM 212	General Chemistry II (Mason Core)
CHEM 331	Physical Chemistry I
CHEM 332	Physical Chemistry II
CLIM 101	Global Warming: Weather, Climate, and Society (Mason Core)
or CLIM 102	Introduction to Global Climate Change Science (Mason Core)
GGS 102	Physical Geography (Mason Core)
GGS 121	Dynamic Atmosphere and Hydrosphere (Mason Core)
GGS 122	Dynamic Geosphere and Ecosphere
GEOL 321	Geology of Energy Resources
PHYS 331	Physics of Renewable Energy
PHYS 332	Solar Cells
PHYS 385	Materials Science with Applications to Renewable Energy
STAT 250	Introductory Statistics I (Mason Core)
or STAT 344	Probability and Statistics for Engineers and Scientists I

or STAT 346	Probability for Engineers
Category C: Business and Communication	
ACCT 203	Survey of Accounting
or ACCT 204	Honors Survey of Accounting
BULE 303	Legal Environment of Business
BUS 200	Global Environment of Business (Mason Core)
BUS 210	Business Analytics I (Mason Core)
BUS 310	Business Analytics II
COMM 204	Introduction to Public Relations
~~COMM 303~~	~~Course COMM 303 Not Found~~
COMM 309	Writing across the Media
EVPP 322	Business and Sustainability
EVPP 401	Integrated Environmental Assessment
~~EVPP 472~~	~~Course EVPP 472 Not Found~~
GOVT 358	Nonprofit Financial Planning
MBUS 300	Accounting in a Global Economy
MBUS 306	Managing Projects and Operations
MGMT 303	Principles of Management
Total Credits	9-11

Retroactive Requirements Updates:

Program Outcomes

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf program? No

Does this program cover material which crosses into another department?

No

Additional Attachments

Reviewer Comments

Additional Comments

Is this course required of all students in this degree program?

%wi_required.eschtml%

Key: 350