

Program Change Request

Date Submitted: 10/25/18 9:06 am

Viewing: **RNRG : Renewable Energy Interdisciplinary Minor**

Last approved: 02/22/18 9:00 am

Last edit: 10/25/18 9:06 am

Changes proposed by: prubin

Catalog Pages [Renewable Energy Interdisciplinary Minor](#)
Using this Program

Are you completing this form on someone else's behalf?

No

Effective Catalog: 2019-2020

Program Level: Undergraduate

Program Type: Minor

Title: Renewable Energy Interdisciplinary Minor

Banner Title:

Registrar's Office
Use Only –
Program Start
Term

College/School: College of Science

Department /
Academic Unit: Physics & AstronomyJointly Owned
Program? No

Justification CHEM 251 deactivated, replaced by CHEM 271/272

In Workflow

1. Registrar-Programs:Workflow Review
2. PHYS UG Committee
3. PHYS Chair
4. SC Curriculum Committee

5. SC Associate Dean
6. SC CAT Editor
7. Assoc Provost-Undergraduate
8. Registrar-Programs

Approval Path

1. 10/29/18 10:15 am
Tory Sarro (vsarro):
Approved for
Registrar-Programs:Workflow
Review
2. 11/06/18 10:13 am
Philip Rubin
(prubin): Approved
for PHYS UG
Committee
3. 11/07/18 6:49 pm
Paul So (paso):
Approved for PHYS
Chair

Catalog Published Information

Total Credits
Required: Total credits: 17-20Registrar's Office Use Only - Program Code:
RNRGRegistrar/IRR Use
Only – Program CIP
CodeAdmission
Requirements:Program-Specific
Policies:

History

1. Nov 14, 2017 by
clmig-jwehrheim
2. Feb 22, 2018 by
Rebekah Zacharias
(rzachari)

Policies

Eight credits of coursework must be unique to the minor. 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

Code	Course List Title	Credits
PHYS 331	Fundamentals of Renewable Energy	3

Code	Title	Credits
PHYS 385	Materials Science with Applications to Renewable Energy	3
MATH 113	Analytic Geometry and Calculus I (Mason Core)	4
Total Credits		10

Physics

Code	Course List	Title	Credits
Select one from the following:			1-3
PHYS 245	College Physics II (Mason Core)		
PHYS 262	University Physics III (Mason Core)		
PHYS 266	Introduction to Thermodynamics		
Total Credits			1-3

Other Science or Engineering Course

Code	Course List	Title	Credits
Select 3-4 credits from the following in consultation with minor advisor:			3-4
PHYS 332	Solar Cells		
CHEM 212	General Chemistry II (Mason Core)		
& CHEM 214	and General Chemistry Laboratory II (Mason Core)		
CHEM 251	General Chemistry for Engineers (Mason Core)		
GEOL 321	Geology of Energy Resources		
CHEM 271	General Chemistry for Engineers Lecture		
CHEM 272	General Chemistry for Engineers Lab		
ECE 301	Digital Electronics		
Other appropriate science or engineering course chosen in consultation with the minor advisor.			
Total Credits			3-4

Internship

Code	Course List	Title	Credits
Select one from the following options:			3
PHYS 409	Physics Internship 1		
Total Credits			3

1Or a 3 credit internship in another natural science or engineering field. The course must be focused on renewable energy and chosen in consultation with the minor advisor.

Retroactive Requirements Updates:

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?

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