Program Change Request

Date Submitted: 08/17/17 11:59 am


Last approved: 03/06/17 12:40 pm
Last edit: 10/20/17 11:12 am
Changes proposed by: marianno

Catalog Pages Using this Program

Nuclear Security - Certificate

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>LaRhesa Johnson</td>
<td><a href="mailto:ljrjohnson@tamu.edu">ljrjohnson@tamu.edu</a></td>
<td>9798453631</td>
</tr>
</tbody>
</table>

Academic level: Graduate
Effective Term: 2017-2018
Department: Nuclear Engineering
College: Engineering
Program type: Certificate
With a certificate in: Nuclear Security

Catalog Program Title:
Nuclear Security - Certificate

CIP and Fund code: 1423010006

Rationale for Proposal
This program focuses on providing students a solid understanding of the policy and technical aspects behind nuclear security, safeguards and nonproliferation. This multidisciplinary program has courses both in the Department of Nuclear Engineering and at the Bush School. Upon the completion of this program, students are uniquely qualified for positions in the federal government, national laboratories and at the International Atomic Energy Agency.

Program hours: 12
Is this program eligible for financial aid? Yes
Will program hours change (increase/decrease) due to the proposed curriculum changes? No

Certificate type: Embedded: Students take coursework that will result in a degree and certificate being earned at the same time.

Program delivery mode:
- On-campus
- Distance Education/Internet

% of Program a student can take off-campus or through Distance Education: 80%

In Workflow
1. NUEN Department Head
2. Curricular Services Review
3. EN Committee Preparer GR
4. EN Committee Chair GR
5. EN College Dean GR
6. GC Preparer
7. GC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services

Approval Path
1. 10/17/17 8:29 pm Yassin Hassan (y-hassan): Approved for NUEN Department Head
2. 10/20/17 11:14 am Sandra Williams (sandra-williams): Approved for Curricular Services Review
3. 10/24/17 4:35 pm Jennifer Veracruz (jveracruz): Approved for EN Committee Chair GR
4. 11/08/17 9:38 am Prasad Enjeti (enjeti): Approved for EN Committee Chair GR
5. 11/13/17 1:12 pm Prasad Enjeti (enjeti): Approved for EN College Dean GR
6. 11/22/17 8:49 am LaRhesa Johnson (ljrjohnson): Approved for GC Preparer
7. 12/11/17 1:58 pm LaRhesa Johnson (ljrjohnson): Approved for GC Chair

History
1. Mar 6, 2017 by Ashley Ofori (asofori20)
# Catalog Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>INTA 669/NUEN 669</td>
<td>Nuclear Terrorism Threat Assessment and Analysis</td>
<td>12</td>
</tr>
<tr>
<td>NUEN 451</td>
<td>Nuclear Security System Design</td>
<td></td>
</tr>
<tr>
<td>NUEN 655</td>
<td>Radiation Detection and Nuclear Materials Measurement</td>
<td></td>
</tr>
<tr>
<td>NUEN 650</td>
<td>Nuclear Nonproliferation and Arms Control</td>
<td></td>
</tr>
<tr>
<td>NUEN 654</td>
<td>Nuclear Fuel Cycles and Nuclear Material Safeguards</td>
<td></td>
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<tr>
<td><strong>Total Semester Credit Hours</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
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## Additional Requirements

**Additional information**

- **Required Proposal Forms**
  - President/Approval/Faculty/SenateItem122216.pdf

**Reviewer Comments**
- Sandra Williams (sandra-williams) (10/20/17 11:14 am): Department is changing from major dependent to stand-alone.

**Program Reviewer Comments**
- Sandra Williams (sandra-williams) (10/20/17 11:14 am): Department is changing from major dependent to stand-alone.