EAST CAROLINA UNIVERSITY
PROFESSIONAL QUALIFICATION STATEMENT FOR DEGREE/CONCENTRATION/CERTIFICATE/MINOR PROGRAMS
(Limit to 1 Page and 1 Program/Coordinator per Page)

<table>
<thead>
<tr>
<th>College and Dept:</th>
<th>College of Technology &amp; Computer Science Department of Engineering</th>
<th>Date: 3/7/2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Title:</td>
<td>Industrial &amp; Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>Program CIP Code:</td>
<td>14.0101.027.000</td>
<td>Concentration</td>
</tr>
<tr>
<td>Coordinator Responsibilities:</td>
<td>Manage assessment and general course content.</td>
<td></td>
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</tbody>
</table>

Coordinator Name: Evelyn Brown

In the event of co-coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator’s name below for cross-reference.

<table>
<thead>
<tr>
<th>Co-Coordinator?</th>
<th>Choose an item.</th>
<th>Name of Co-Coordinator (please use a separate qualification sheet to complete information): Click here to enter text.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degrees Earned:</td>
<td>PhD, Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>Experience:</td>
<td>3 years industry experience; 12 years academic experience</td>
<td></td>
</tr>
<tr>
<td>Certifications:</td>
<td>N/A</td>
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</tr>
<tr>
<td>Courses Taught at ECU:</td>
<td>Computer Applications in Engineering; Senior Capstone Design I; Senior Capstone Design II; Principles &amp; methods in Industrial &amp; Systems Engineering; System Optimization; System Architecture; Human Factors</td>
<td></td>
</tr>
</tbody>
</table>

Narrative Statement of Qualifications (to be completed by chair or dean):

As you draft the narrative, please consider the following:

1) What evidence exists that the coordinator has the qualifications and credentials for leadership in the development and review of the curriculum?

As described above, Dr. Brown possesses both an industrial background and academic experience and credentials to lead the industrial and systems engineering concentration. Her evidence of teaching effectiveness and publications also substantiate this fact.

2) What evidence exists that the coordinator provides oversight for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

Our engineering assessment plan specifies detailed learning outcomes for each concentration. Every semester we meet to review performance in this area per the evidence specified in the plan. Dr. Brown is responsible for gathering and assessing the required information. This is then reported to the Advisory Board and the faculty.

If curriculum development and review are assigned to persons other than faculty, provide appropriate documentation.

Click here to enter text.

Signatures:
Coordinator: ____________________________ Date: 3/19/12
Dept Chair/School Director: ____________________________ Date: 3/12/10
Dean: ____________________________ Date: 3/19/12

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EAST CAROLINA UNIVERSITY
PROFESSIONAL QUALIFICATION STATEMENT FOR DEGREE/CONCENTRATION/CERTIFICATE/MINOR PROGRAMS
(Limit to 1 Page and 1 Program/Coordinator per Page)

| College and Dept: | College of Technology & Computer Science  
|                  | Department of Engineering             | Date: 3/7/2012 |
| Program Title:   | Mechanical Engineering                |
| Program CIP Code:| 14.0101.027.000                       | Concentration |
| Coordinator Responsibilities: | Manage assessment and general course content. |

Coordinator Name: Gerald (Jerry) Micklow

In the event of co-coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator's name below for cross-reference.

<table>
<thead>
<tr>
<th>Co-Coordinator?</th>
<th>Choose an item.</th>
<th>Name of Co-Coordinator (please use a separate qualification sheet to complete information): Click here to enter text.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degrees Earned:</td>
<td>PhD, Mechanical Engineering</td>
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<tr>
<td>Experience:</td>
<td>7 years industry experience; 26+ years academic experience</td>
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<td>Certifications:</td>
<td>PE license 2004-current</td>
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<tr>
<td>Courses Taught at ECU:</td>
<td>Thermal and Fluid Sciences; Manufacturing and Materials; Statics; Dynamics; Differential Equations; Special Topics in Materials; Special Topics in Vehicle Dynamics; Thermodynamics I; Thermodynamics II</td>
<td></td>
</tr>
</tbody>
</table>

Narrative Statement of Qualifications (to be completed by chair or dean):
As you draft the narrative, please consider the following:

1) What evidence exists that the coordinator has the qualifications and credentials for leadership in the development and review of the curriculum?

As described above, Dr. Micklow possess both the industrial background and academic experience and credentials to lead the mechanical engineering concentration. Evidence of teaching effectiveness and publications also substantiate this fact.

2) What evidence exists that the coordinator provides oversight for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

Our engineering assessment plan specifies detailed learning outcomes for each concentration. Every semester we meet to review performance in this area per the evidence specified in the plan. Dr. Micklow is responsible for gathering and assessing the required information. This is then reported to the Advisory Board and the faculty.

If curriculum development and review are assigned to persons other than faculty, provide appropriate documentation.

Click here to enter text.

Signatures:
Coordinator: ________________________________ Date: 3/13/12
Dept Chair/School Director: ________________________________ Date: 3/28/12
Dean: ________________________________ Date: 3/29/12

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EAST CAROLINA UNIVERSITY

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<tbody>
<tr>
<td>Program Title:</td>
<td>Bioprocess Engineering</td>
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<tr>
<td>Program CIP Code:</td>
<td>14.0101.027.000 Concentration</td>
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<tr>
<td>Coordinator</td>
<td>Manage assessment and general course content.</td>
<td></td>
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<tr>
<td>Responsibilities:</td>
<td></td>
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</table>

Coordinator Name: Loren Limberis

In the event of co-coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator’s name below for cross-reference.

Co-Coordinator? Choose an item.

Name of Co-Coordinator (please use a separate qualification sheet to complete information): Click here to enter text.

Degrees Earned: PhD, Bioengineering

Experience: 2 years industry experience; 16 years academic experience

Certifications: N/A

Courses Taught at ECU: Bioprocess Engineering Systems; Bioprocess Plant Design, Simulation, and Analysis; Introduction to Engineering; Circuit Analysis; Introduction to Dynamic Systems

Narrative Statement of Qualifications (to be completed by chair or dean):

As you draft the narrative, please consider the following:

1) What evidence exists that the coordinator has the qualifications and credentials for leadership in the development and review of the curriculum?

As described above, Dr. Limberis possesses both an industrial background and academic experience and credentials to lead the industrial and systems engineering concentration. Her evidence of teaching effectiveness and publications also substantiate this fact.

2) What evidence exists that the coordinator provides oversight for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

Our engineering assessment plan specifies detailed learning outcomes for each concentration. Every semester we meet to review performance in this area per the evidence specified in the plan. Dr. Limberis is responsible for gathering and assessing the required information. This is then reported to the Advisory Board and the faculty.

If curriculum development and review are assigned to persons other than faculty, provide appropriate documentation.

Click here to enter text.

Signatures:

Coordinator: [Signature] Date: 3/12/12

Dept Chair/School Director: [Signature] Date: 3/12/12

Dean: [Signature] Date: 3/19/12

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<tbody>
<tr>
<td>Program Title:</td>
<td>Biomedical Engineering</td>
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<tr>
<td>Program CIP Code:</td>
<td>14.0101.027.000</td>
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<td>Concentration</td>
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<tr>
<td>Coordinator Responsibilities:</td>
<td>Manage assessment, program development, and general course content.</td>
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</table>

Coordinator Name: Barbara Muller-Borer

In the event of co-coordinators, please use a separate qualification sheet for each. Indicate only co-coordinator's name below for cross-reference.

Co-Coordinator? Choose an item.

Name of Co-Coordinator (please use a separate qualification sheet to complete information): Click here to enter text.

Degrees Earned: PhD, Biomedical Engineering

Experience: 3 years industry experience; 14 years academic experience

Certifications: N/A

Courses Taught at ECU: Click here to enter text.

Narrative Statement of Qualifications (to be completed by chair or dean):

As you draft the narrative, please consider the following:

1) What evidence exists that the coordinator has the qualifications and credentials for leadership in the development and review of the curriculum?

As described above, Dr. Muller-Borer possesses both an industrial background and academic experience and credentials to lead the industrial and systems engineering concentration. Her evidence of teaching effectiveness and publications also substantiate this fact.

2) What evidence exists that the coordinator provides oversight for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

Our engineering assessment plan specifies detailed learning outcomes for each concentration. Every semester we meet to review performance in this area per the evidence specified in the plan. Dr. Muller-Borer is responsible for gathering and assessing the required information. This is then reported to the Advisory Board and the faculty.

If curriculum development and review are assigned to persons other than faculty, provide appropriate documentation.

Click here to enter text.

Signatures:

Coordinator: Date: 3/13/2012

Dept Chair/School Director: Date: 3/16/2012

Dean: Date: 3/19/2012

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