**College and Dept:** College of Technology & Computer Science
Department of Computer Science

**Program Title:** Certificate in Computer Gaming

**Program CIP Code:** 11.0199.007.000

**Date:** 3/7/2012

**Coordinator Responsibilities:** Review applications; graduate student advisor

---

**Coordinator Name:** Massao Kishore

**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, Mathematics

**Experience:** 30+ years experience in academia.

**Certifications:** N/A

**Courses Taught at ECU:** Discrete Mathematics; Switching Theory; Introduction to Computer Game Development; Linear Algebra; Database; Introduction to Computer Graphics; Computer Game Development; Operating Systems; Computer Architecture; Computer Graphics

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**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?**

   Familiarity with computer graphics, three-dimensional modeling software Maya, and computer game engine Unity.

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?**

   Familiarity as above with computer graphics, three-dimensional modeling software Maya, and computer game engine Unity; in addition, familiarity with computer game certificate and degree programs in many U.S. universities.

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

---

**Signatures:**

**Coordinator:** Massao Kishore  
Date: 3/13/12

**Dept Chair/School Director:** Karl Abrahamson  
Date: 3/13/2012

**Dean:** David M. Whis  
Date: 3/19/12

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(Please print, sign, scan, and submit as a pdf in a complete package to summeyk@ecu.edu.)
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 Computer Science |
| College Title:   | BA in Computer Science |
| Program CIP Code: | 11.0701.018.00 |
| Coordinator Responsibilities: | Make decisions about transfer credit; Examine senior summaries; Provide advise to students beyond what the college's advisors do |
| Coordinator Name: | Karl Abrahamson |

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, Computer Science |
| Experience: | Over 26 years experience as a professor of computer science |
| Certifications: | N/A |
| Courses Taught at ECU: | Data Structures; Advanced Data Structures and Object-Oriented Programming; Automata and Language Theory; Compiler Construction; Design and Analysis of Algorithms; Introductory Programming; Principles of Programming Languages |

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?

Dr. Abrahamson has extensive experience in curriculum development and is a long-time member of the curriculum committee.

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?

Dr. Abrahamson works to address any problems that undergraduate students may have with their transfer equivalencies, course substitutions, or other issues that may arise. Through this contact with the undergraduate students, Dr. Abrahamson keeps the department informed about any academic problems or issues that need to be addressed. In addition to this, the department faculty discuss the undergraduate curriculum in order to determine how they can improve and strengthen it. Dr. Abrahamson is a central faculty member in these reviews.

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

Click here to enter text.

Signatures:  Karl Abrahamson  Date: 3/13/2012

Dept Chair/School Director:  Karl Abrahamson  Date: 3/13/2012

Dean:  David M. White  Date: 3/19/2012

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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 Computer Science

Program Title: BS in Computer Science
Program CIP Code: 11.0701.027.000

Coordinator Responsibilities: Make decisions about transfer credit; Examine senior summaries; Provide advise to students beyond what the college's advisors do

Date: 3/7/2012

Coordinator Name: Karl Abrahamson

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, Computer Science
Experience: Over 26 years experience as a professor of computer science
Certifications: N/A

Courses Taught at ECU:
Data Structures; Advanced Data Structures and Object-Oriented Programming; Automata and Language Theory; Compiler Construction; Design and Analysis of Algorithms; Introductory Programming; Principles of Programming Languages

Narrative Statement of Qualifications (to be completed by chair or dean):
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Dr. Abrahamson has extensive experience in curriculum development and is a long-time member of the curriculum committee.

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

Click here to enter text.

Signatures:
Coordinator: Karl Abrahamson Date: 3/13/2012
Dept Chair/School Director: Karl Abrahamson Date: 3/13/2012
Dean: David M. Whit Date: 3/19/2012

(Please print, sign, scan, and submit as a pdf in a complete package to summeyk@ecu.edu.)
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  
<table>
<thead>
<tr>
<th></th>
<th>Department of Computer Science</th>
<th>Date:</th>
<th>3/7/2012</th>
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<tbody>
<tr>
<td>Program Title:</td>
<td>Computer Science</td>
<td></td>
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</tr>
<tr>
<td>Program CIP Code:</td>
<td>11.0701.027.000</td>
<td>Minor</td>
<td></td>
</tr>
</tbody>
</table>
| Coordinator       | Make decisions about transfer credit;  
| Responsibilities: | Examine senior summaries; Provide advise to students beyond |       |         |
|                   | what the college’s advisors do         |       |         |
| Coordinator Name: | Karl Abrahamson                         |       |         |

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>
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</thead>
<tbody>
<tr>
<td>Degrees Earned:</td>
<td>PhD, Computer Science</td>
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</tr>
<tr>
<td>Experience:</td>
<td>Over 26 years experience as a professor of computer science</td>
<td></td>
</tr>
<tr>
<td>Certifications:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Courses Taught at ECU:</td>
<td>Data Structures; Advanced Data Structures and Object-Oriented Programming; Automata and Language Theory; Compiler Construction; Design and Analysis of Algorithms; Introductory Programming; Principles of Programming Languages</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?

Dr. Abrahamson has extensive experience in curriculum development and is a long-time member of the curriculum committee.

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?

Dr. Abrahamson works to address any problems that undergraduate students may have with their transfer equivalencies, course substitutions, or other issues that may arise. Through this contact with the undergraduate students, Dr. Abrahamson keeps the department informed about any academic problems or issues that need to be addressed. In addition to this, the department faculty discuss the undergraduate curriculum in order to determine how they can improve and strengthen it. Dr. Abrahamson is a central faculty member in these reviews.

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

Click here to enter text.

Signatures:

Coordinator: Karl Abrahamson  
Date: 3/13/2012

Dept Chair/School Director: Karl Abrahamson  
Date: 3/13/2012

Dean: David M. Wit  
Date: 3/19/2012

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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)

<table>
<thead>
<tr>
<th>College and Dept:</th>
<th>College of Technology &amp; Computer Science</th>
<th>Department of Computer Science</th>
<th>Date:</th>
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<tbody>
<tr>
<td>Program Title:</td>
<td>MS in Computer Science</td>
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<td>Program CIP Code:</td>
<td>11.0701.123.000</td>
<td></td>
<td></td>
<td>Degree</td>
</tr>
<tr>
<td>Coordinator</td>
<td>Review applications; assign graduate assistantships; graduate student advisor</td>
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<td></td>
<td></td>
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<tr>
<td>Responsibilities:</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Coordinator Name:</td>
<td>M. Nasseh Tabrizi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Co-Coordinator?</td>
<td>Choose an item.</td>
<td>Name of Co-Coordinator (please use a separate qualification sheet to complete information): Click here to enter text.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Degrees Earned:</td>
<td>PhD, Automatic Control and Systems Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experience:</td>
<td>Mentored and supervised for many years large groups of students on their research and project activities. Has been working as the computer science graduate program director. Developed partnership program with IBM. Has developed several new courses and has been serving as a member of the department curriculum committee and chair of the college graduate curriculum committee.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifications:</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Courses Taught at ECU:</td>
<td>Computer Systems Architecture; Networking and Telecommunications; Mobile Communications and Wireless Security; Developing e-Commerce Systems; Software Engineering Foundations; Software Project Management; Software systems Modelling and Analysis; Software Metrics and Quality Management</td>
<td></td>
<td></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?**

   Dr. Tabrizi has been the most active faculty member in the department in supervising graduate student projects and theses and in developing research projects. He has also been the most active person in the department in developing collaborative projects with industry partners.

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?**

   Dr. Tabrizi has developed a virtually-reality based online system that is used by faculty in a number of departments at ECU. He has a number of peer-reviewed publications based on this VR-based system. Dr. Tabrizi advises the graduate students and through his contact with these students keeps the department informed about any academic problems or issues that need to be addressed.

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

   Click here to enter text.

**Signatures:**

<table>
<thead>
<tr>
<th>Coordinator:</th>
<th>Date: 3/13/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept Chair/School Director:</td>
<td>Karl S. Graham</td>
</tr>
<tr>
<td>Dean:</td>
<td>David M. White</td>
</tr>
</tbody>
</table>

(Please print, sign, scan, and submit as a pdf in a complete package to summeyk@ecu.edu.)
**College and Dept:** College of Technology & Computer Science  
Department of Computer Science  
**Date:** 3/7/2012

**Program Title:** MS in Software Engineering  
**Program CIP Code:** 14.0903.123.000  
**Degree:**

**Coordinator Responsibilities:** Review applications; assign graduate assistantships; graduate student advisor

**Coordinator Name:** M. Nasseh Tabrizi

*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, Automatic Control and Systems Engineering

**Experience:** Initiated the idea and played a major role in the development of the M.S. in Software Engineering. Mentored and supervised for many years large groups of students on their research and project activities. Has been working as the computer science graduate program director. Developed partnership program with IBM. Has developed several new courses and has been serving as a member of the department curriculum committee and chair of the college graduate curriculum committee.

**Certifications:** N/A

**Courses Taught at ECU:** Computer Systems Architecture; Networking and Telecommunications; Mobile Communications and Wireless Security; Developing e-Commerce Systems; Software Engineering Foundations; Software Project Management; Software systems Modeling and Analysis; Software Metrics and Quality Management

**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?**

Dr. Tabrizi has been the most active faculty member in the department in supervising graduate student projects and theses and in developing research projects. He has also been the most active person in the department in developing collaborative projects with industry partners.

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

**Signatures:**  
**Coordinator:** [Signature]  
Date: 3/13/12

**Dept Chair/School Director:** [Signature]  
Date: 3/13/2012

**Dean:** [Signature]  
Date: 3/19/2012

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