

**MEMORANDUM**

**TO:** Academic Affairs Committee

**FROM:** Pat Toney  
Vice President of Academic Affairs

**DATE:** February 25, 2011

**RE:** Academic Affairs Committee Meeting

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The Academic Affairs Committee will meet as scheduled on Tuesday, March 8, 2011 at 2 p.m. in Room 107A.

The agenda is as follows:

**1. Curriculum**

**Business & Technology Division**

**New Course Proposal – MGT 222**

**HealthCare**

**Course Revision Proposals - RCP 114, RCP 231**

**Human Services & Science**

**Course Revision Proposal - CHM 103, CHM 104, CHM 201, ERG 211, ERG 233, BIO 232**

**Course Revision Proposal – ECE 204**

**Program or Certificate Revision – ECE - Certificate for Assistant Teachers**  
**ECE - Infant Toddler Certificate**  
**ECE - School Age Certificate**  
**ECE – Associate Degree Transfer Option**  
**ECE – Associate Degree Career Option**

**Course Revision Proposals - FSC 101, FSC 131, FSC 151**

**2. Governance Policies**

**Reports Due – Discipline in the Classroom**  
**– Dean’s List**  
**– Graduation Requirements**

**3. Other**

QUINSIGAMOND COMMUNITY COLLEGE

NEW COURSE PROPOSAL

1. **Course Name & Number:** MGT 222 International Business & Management

2. **Originator:** Flo Lucci **Date:** 12/26/10

3. **Division Dean:** Kathy Rentsch **Date:** 12/26/10

4. **Brief Description of the Proposal:**

Based upon the sabbatical and doctoral research work of Professor Lucci, this proposal is to introduce a new management elective focused on International Business & Management. This course will introduce students to global business concepts and will advance their understanding of globalization and its impact.

5. **Effective Date:** Fall 2011

6. **Division Recommendation:**

The Business & Technology Division approved this recommendation at their 2.17.11 meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

Quinsigamond Community College  
New Course Proposal

<b>Course Discipline/Division:</b> Business Administration/Business & Technology Division	
<b>Course Title:</b> International Business & Management	
<b>Course Number:</b> MGT 222	
<b>Prerequisites and/or Co-requisites (confer with affected department coordinator):</b>	ENG 100 or appropriate Placement score
<b>CIP code (send course description to IR Office):</b> 52.1101	
<b>Effective term/year:</b> Fall, 2011	
<p><b>Give a rationale for the new course. Be sure to indicate whether this course replaces another course.</b></p> <p>Based upon the sabbatical and doctoral research work of Professor Lucci, this proposal is to introduce a new management elective in International Business &amp; Management. This course will introduce students to global business concepts and advance their understanding of globalization and its impact. The Business Administration program has never had a course that specifically addresses global business. This course serves to meet that particular and well overdue need for our students. This course is not replacing another course. It is a new business elective.</p>	
<p><b>Is the course content similar to other courses now offered?</b> <span style="float: right;"><b>No</b></span></p> <p>If yes, attach a statement from the coordinator of the department offering the similar course.</p>	
<p><b>Please indicate if this course will serve as any of the following types of electives.</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <b>Elective business elective</b></li> <li><input checked="" type="checkbox"/> <b>Discipline-specific (name the discipline) Management (MGT)</b></li> <li><input type="checkbox"/> <b>Interdisciplinary (confer with the Liberal Arts Coordinator)</b></li> <li><input checked="" type="checkbox"/> <b>Program-specific Business Administration</b></li> <li><input type="checkbox"/> <b>Multiple perspective (confer with the Liberal Arts Coordinator)</b></li> </ul>	
<p><b>Is this course required for a program? If yes, submit a separate Program Revision Proposal or New Program Proposal.</b></p> <p>This course will serve as a Business Elective.</p>	
<b>Expected enrollment per term:</b> 30	<b>Expected enrollment per year:</b> 60
<p><b>Will any of the following be required?</b></p> <p>Additional staff <input checked="" type="checkbox"/> Additional space Additional equipment</p>	
<p><b>Provide a rationale for any needs indicated above and include approximate cost of equipment.</b></p> <p>The course will initially be taught by one of the full-time faculty members within the department. One of her current course assignments will be then assigned as a DCE assignment to an adjunct faculty member.</p>	
<b>Library print and non-print resources in support of this course:</b> \$500	

Course Materials

<b>Course Title:</b> International Business and Management		
<b>Course Number:</b> MGT 222		
<b>Credits:</b> 3 credits		
<b>Lecture Hours:</b> 45	<b>Lab Hours:</b> N/A	<b>Clinic Hours:</b> N/A
<b>General course description and prerequisites (as it will appear in the Catalog):</b>		
<p>This course emphasizes the study and analysis of the nature, structures and strategies of international/global businesses. Students examine international markets, economic systems, value-chains and core competencies of a firm.</p> <p>Prerequisites: ENG 100 or appropriate Placement score</p>		
<b>All requires texts and paperbacks, including information on publisher and edition used (provide a suggested text):</b>		
<p><u>International Business – Competing in the Global Marketplace</u> by Charles W. L. Hill, McGraw-Hill Irwin, 8<sup>th</sup> edition, 2011</p>		
<b>Instructional Objectives (list):</b>		
<b><u>Week 1</u></b>		
<ul style="list-style-type: none"> <li>• Understand what is meant by the term globalization.</li> <li>• Be familiar with the main driver of globalization.</li> <li>• Appreciate the changing nature of the global economy.</li> <li>• Understand the main arguments in the debate over the impact of globalization.</li> <li>• Appreciate how the process of globalization is creating opportunities and challenges for business managers.</li> </ul>		
<b><u>Week 2</u></b>		
<ul style="list-style-type: none"> <li>• Understand how the political systems of countries differ.</li> <li>• Understand how the economic systems of countries differ.</li> <li>• Understand how the legal systems of countries differ.</li> <li>• Be able to explain what determines the level of economic development of a nation.</li> <li>• Discuss the broad, general political and economic changes taking place worldwide.</li> <li>• Describe how transition economies are moving towards market-based systems.</li> <li>• Articulate the implications for management practice of national difference in political economy.</li> </ul>		
<b><u>Week 3</u></b>		
<ul style="list-style-type: none"> <li>• Know what is meant by the culture of a society.</li> <li>• Identify the forces that lead to differences in social culture.</li> <li>• Identify the business and economic implications of differences in culture.</li> <li>• Understand how differences in social culture influence values in the workplace.</li> <li>• Develop an appreciation for the economic and business implications of cultural change.</li> </ul>		
<b><u>Week 4</u></b>		
<ul style="list-style-type: none"> <li>• Be familiar with the ethical issues faced by international businesses</li> <li>• Recognize an ethical dilemma.</li> <li>• Discuss the causes of unethical behavior by managers.</li> <li>• Be familiar with the different philosophical approaches to ethics.</li> <li>• Know what managers can do to incorporate ethical considerations into their decision making.</li> </ul>		
<b><u>Week 5</u></b>		
<ul style="list-style-type: none"> <li>• Understand why nations trade with each other</li> <li>• Be familiar with the different theories explaining trade flows between nations.</li> </ul>		

- Understand why many economists believe that unrestricted free trade between nations will raise the economic welfare of countries that participate in a free trade system.
- Be familiar with the arguments of those who maintain that government can play a proactive role in promoting national competitive advantage in certain industries.
- Understand the important implications that international trade theory holds for business practice.

#### **Week 6**

- Describe the policy instruments used by governments to influence international trade flows.
- Understand why governments sometimes intervene in international trade.
- Articulate the arguments against strategic trade policy.
- Describe the development of the world trading system and the current trade issue.

#### **Week 7**

- Be familiar with current trends regarding FDI in the world economy.
- Understand the different theories of foreign direct investment
- Appreciate how political ideology shapes a government's attitudes toward foreign direct investment.
- Understand the benefits and costs of foreign direct investment to home and host countries.
- Be able to discuss the range of policy instruments that governments use to influence foreign direct investment.
- Articulate the implications for management practice of the theory and government policies associated with foreign direct investment.

#### **Week 8**

- Be able to explain the different levels of regional economic integration.
- Understand the economic and political arguments for regional economic integration.
- Understand the economic and political arguments against regional economic integration.
- Be familiar with the history, current scope, and future prospects of the world's most important regional economic agreements.
- Understand the implications for business that are inherent in regional economic integration agreements.

#### **Week 9**

- Expose students to the functions of the foreign exchange market.
- Understand what is meant by spot exchange rates.
- Appreciate the role that forward exchange rates play in insuring against foreign exchange risk.
- Understand the different theories explaining how currency exchange rates are determined and their relative merits.
- Be familiar with the merits of different approaches towards exchange rate forecasting.
- Understand the differences between translation, transaction and economic exposure, and what managers can do to manage each type of exposure.

#### **Week 10**

- Be familiar with the historical development of the modern global monetary system.
- Discuss the role played by the World Bank and the IMF in the international monetary system.
- Be familiar with the differences between a fixed and floating exchange rate system.
- Know what exchange rate regimes are used in the world today and why countries adopt different exchange rate regimes.
- Understand the debate surrounding the role of the IMF in the management of financial crisis.
- Appreciate the implications of the global monetary system for currency management and business strategy.

#### **Week 11**

- Articulate the benefits of the global capital market.
- Understand why the global capital market has grown so rapidly.
- Be familiar with the risks associated with the globalization of capital markets.
- Appreciate the benefits and risks associated with the Eurocurrency market, the global bond market, and the global equity market.
- Understand how foreign exchange rates impacts upon the cost of capital.

#### **Week 12**

- Explain the concept of the strategy of international business.

- Understand how firms can profit by expanding globally.
- Understand how pressures for cost reductions and pressures for local responsiveness influence strategic choice.
- Be familiar with different strategies for competing globally and their pros and cons.
- Explain the pros and cons of using strategic alliances to support global strategies.

#### **Week 13**

- Explain the three basic decisions that firms contemplating foreign expansion must make: which markets to enter, when to enter those markets, and on what scale.
- Outline the advantages and disadvantages of the different modes that firms use to enter foreign markets.
- Identify the factors that influence a firm's choice of entry mode.
- Evaluate the pros and cons of acquisitions versus green-field ventures as an entry strategy.
- Evaluate the pros and cons of entering into strategic alliances.

#### **Week 14**

- Explain the promises and risks associated with exporting.
- Outline the steps managers can take to improve their firm's export performance.
- Identify information sources and government programs that exist to help exporters.
- Grasp the basic steps involved in export financing.
- Articulate how countertrade can be used to facilitate exporting.

#### **Week 15**

- Explain why production and logistics decisions are of central importance to many multinationals businesses.
- Explain how country differences, production technology, and product features all affect the choice of where to locate production activities.
- Discuss how the role of foreign subsidiaries in production can be enhanced over time as they accumulate knowledge.
- Identify the factors that influence a firm's decision on whether to source supplies from within the company or from foreign suppliers.
- Articulate the requirements for efficiently coordinating a globally dispersed production system.

#### **Teaching procedures (provide suggested teaching methodology):**

Interactive Lecture Demonstration  
 Socratic Questioning  
 Enhanced Learning through Media Interactions (youtube.com, etc.)  
 Just In Time Teaching Method utilizing social networking  
 Brainstorming/Group Discussions  
 Teaching with the Case Method  
 Guest Speaker/Lecturers  
 Research Activities and Cooperative Learning

#### **Course topics and/or assignments and/or required and/or supplemental reading (provide a list of suggested course topics):**

Globalization  
 National Differences in Political Economy  
 Differences in Culture  
 Ethics in International Business  
 International Trade Theory  
 The Political Economy of International Trade  
 Foreign Direct Investment  
 Regional Economic Integration  
 The Foreign Market Exchange  
 The International Monetary System  
 The Global Capital Market  
 The Strategy of International Business

Entry Strategy and Strategic Alliances  
Exporting, Importing, and Countertrade  
Global Production, Outsourcing, and Logistics

**Other information:**

- **Suggested basis for student grading and criteria for evaluating student performance**

TBD – based on individual instructor

- **Suggested attendance policy**

Attendance is taken in every class. There are no excused absences. Students are expected to arrive on time and stay until dismissed by the program faculty.

- **Suggested plagiarism statement**

Plagiarism is taking someone else's ideas, words or work and presenting them as one's own. The offence can take many forms including cheating on a test, passing in a paper taken from the Internet or another student, or failing to properly use and credit sources. Sometimes the issue is subtle, involving getting too much help on an assignment from someone else. In every instance, plagiarism means cheating both oneself and the owner of the source. Since cheating sabotages a student's learning experience, consequences range from no credit for the assignment to failure for the course and possible expulsion from the college. Students who are uncertain what constitutes plagiarism should consult with faculty or other appropriate college resources.

## Learning Outcome Assessment Chart

Week	Student Learning Outcome	Assessment Methodology	Does this outcome fulfill a Gen Ed Goal? Indicate which goal(s) by number. See attached list.	Does this outcome fulfill a program goal? Attach a list of program goals and use numbers.
1	Globalization	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
2	National Differences in Political Economy	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
3	Differences in Culture	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
4	Ethics in Int'l Business	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
5	International Trade Theory	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
6	Political Economy of International Trade	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
7	Foreign Direct Investment	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
8	Regional Economic Integration	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
9	Foreign Market Exchange	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
10	International Monetary System	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
11	Global Capital Market	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
12	Strategy of International Business	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
13	Entry Strategy and Strategic Alliances	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
14	Export/Import and Countertrade	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR
15	Global Production, Outsourcing & Logistics	Reading Comprehension Scheduled Exams Written Assessments	1, 2, 5, 7, 8, 10	Pending completion of APR

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

1. **Course Name & Number :** Medical Lectures IV RCP 114

2. **Originator:** Karen Kaletski Dufault **Date:** 12/1/10

3. **Division Dean:** Jane E. June **Date:** 2/18/11

4. **Brief Description of the Proposal:**

The purpose of this proposal is to change the course description to better reflect the course content.

5. **Effective Date:** Fall 2011

6. **Division Recommendation:**

The Health Care Division recommends approval of the course description change at the February 17, 2011 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

## Course Revision Proposal

Type of Revision: <input checked="" type="checkbox"/> Description ___ Prerequisite ___ Corequisite ___ Number ___ Title ___ #credits ___ Elective Type ___ ___ other (explain)	
Course Discipline or Department: Respiratory Care	Division: Health Care
Current Course Title: Medical Lectures IV	
Current Course Number: RCP 114	
Current Course Description (as it appears in the college catalog):  This course explores the etiology, clinical presentation, pathologic features, diagnostics, and treatment of pathologies commonly encountered in Respiratory Care practice. The focus is on cardiopulmonary and other system's disorders as these present in the adult client. Case studies/independent research/writing and physician lectures are utilized to help promote the student's understanding and to develop the student's critical thinking skills.	
Proposed Description (include all proposed changes):  This course explores the etiology, clinical presentation, pathologic features, diagnostics, and treatment of diseases commonly encountered in Respiratory Care practice. The focus is on cardiopulmonary and other system's disorders as they present in the adult client. Agents of bioterrorism including smallpox, anthrax, botulism, ricin, sarin, and plague are also introduced. Case studies/independent research/writing, and physician lectures are utilized to promote the student's understanding and to develop the student's critical thinking skills. <b>Prerequisite:</b> BIO 112, RCP 113	
Rationale for the change:  The Respiratory Care accreditation agency, CoARC, now requires bioterrorism to be added to the curriculum. This change in the course description/content will accommodate this mandate.	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes ___ No <input checked="" type="checkbox"/> ___ If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal.	

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

1. **Course Name & Number:** Critical Care II RCP 231

2. **Originator:** Karen Kaletski Dufault **Date:** 12/1/10

3. **Division Dean:** Jane E. June **Date:** 2/18/11

4. **Brief Description of the Proposal:**

The purpose of this proposal is to change the course description to better reflect the course content.

5. **Effective Date:** Fall 2011

6. **Division Recommendation:**

The Health Care Division recommends approval of the course description change at the February 17, 2011 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_  
**Comments:**

## Course Revision Proposal

Type of Revision: <input checked="" type="checkbox"/> Description <input type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Respiratory Care	Division: Health Care
Current Course Title: Critical Care II	
Current Course Number: RCP 231	
Current Course Description (as it appears in the college catalog):  This course covers a variety of topics relevant to critical care practice as it pertains to adults. Topics include: a review of techniques/protocols used in the initiation, monitoring and discontinuance of mechanical ventilatory support; monitoring of the adult patient in the ICU, (includes hemodynamic, neurological, renal, hepatic and nutritional monitoring; a review of acid-base disturbances and clinical acid-base states; pulmonary artery blood gases (physiologic significance); hyperbaric therapy; nitric oxide and helium therapy; interpretation and significance of pulmonary waveforms; calculations and formulas relevant to practice and to credentialing examinations; chest tubes and pleural drainage systems; and if time permits, discussion of less frequently encountered techniques and procedures such as ECMO, IAB counterpulsation and liquid ventilation.	
Proposed Description (include all proposed changes):  This course covers a variety of topics relevant to critical, adult Respiratory Care practice. Topics include: a review of techniques/protocols used in the initiation, monitoring and discontinuance of mechanical ventilator support; monitoring of the adult patient in the ICU, including hemodynamic, neurological, renal, hepatic, and nutritional support; physiologic significance of pulmonary artery blood gases; interpretation and significance of ventilatory waveforms; calculations and formulas relevant to practice and credentialing examinations; chest tubes and pleural drainage systems. ECMO, IAB counterpulsation, and liquid ventilation are also introduced. <b>Prerequisite:</b> RCP 230	
Rationale for the change:  The Respiratory Care Program would like to make minor changes to the course description, so that it better reflects the course content. This change will also remove redundancy from the curriculum. (Hyperbaric, nitric oxide and helium therapies are covered in RCP 104 -- Fundamentals of Respiratory Care II, and acid-base disturbances are explained in RCP 112— Medical Lectures II).	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal.	

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

- 1. **Course Name & Number : CHM 103 Principles of Chemistry I**
- 2. **Originator: Dadbeh Bigonahy** **Date: February 17, 2011**
- 3. **Division Dean: Nancy Schoenfeld** **Date: February 17, 2011**

**4. Brief Description of the Proposal:**

Change the course number to CHM 123, change the title to Principles of Chemistry for Engineers I and change the corequisite to MAT 233 (Calculus I). Four year colleges and universities require that chemistry courses for engineering students incorporate calculus. The change is needed for transferability of this course to engineering programs. The higher course number and name change are needed to distinguish this course from CHM 105 which has a prerequisite of MAT 099.

**5. Effective Date: Fall 2011**

**6. Division Recommendation: : The Human Services & Science Division recommends approval of the course number change, title change and corequisite change to CHM 103 at the 2/17/11 Division meeting.**

**7. Academic Affairs Staff: \_\_\_\_\_ Date: \_\_\_\_\_**

**Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_**

**Comments:**

**8. VP/Academic Affairs: \_\_\_\_\_ Date: \_\_\_\_\_**

**Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_**

**Comments:**

**9. Academic Affairs Committee: \_\_\_\_\_ Date: \_\_\_\_\_**

**Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_**

**Comments:**

**10. VP/Academic Affairs: \_\_\_\_\_ Date: \_\_\_\_\_**

**Approved: \_\_\_\_\_ Not Approved: \_\_\_\_\_**

**Comments:**

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input type="checkbox"/> Prerequisite <input checked="" type="checkbox"/> Corequisite <input checked="" type="checkbox"/> Number <input checked="" type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Natural Sciences	Division: Human Services and Science
Current Course Title: Principles of Chemistry I	
Current Course Number: CHM 103	
Current Course Description (as it appears in the college catalog):	
<p><b>CHM 103 Principles of Chemistry I - 4 credits</b>                  This is the first part of a two-semester course sequence. The course is designed for students in engineering or for students requiring a sound knowledge of chemical principles. Students learn chemical principles of atomic structure, stoichiometry, thermochemistry, gases, quantum theory, chemical bonding, intermolecular forces, and solutions.  <b>Corequisite:</b> MAT 123</p>	
Proposed Description (include all proposed changes):	
<p><b>CHM 123 Principles of Chemistry for Engineers I - 4 credits</b>                  This is the first part of a two-semester course sequence. The course is designed for students in engineering or for students requiring a sound knowledge of chemical principles. Students learn chemical principles of atomic structure, stoichiometry, thermochemistry, gases, quantum theory, chemical bonding, intermolecular forces, and solutions.  <b>Corequisite:</b> MAT 233</p>	
Rationale for the change:	
Four year colleges and universities require that chemistry courses for engineering students incorporate calculus. The change is needed for transferability of this course to engineering programs. The higher course number and name change are needed to distinguish this course from CHM 105 which has a prerequisite of MAT 099.	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department?   Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department. Basic Engineering – see grid attached to CHM 104 proposal and prerequisite change for ERG 211. Natural Sciences – see prerequisite change for BIO 232 and CHM 201. Health Programs that require BIO 232 – see grids attached.	
If this change affects a program grid, please submit a Program Revision Proposal.	

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

1. **Course Name & Number : CHM 104 Principles of Chemistry II**

2. **Originator: Dadbeh Bigonahy**

**Date: February 17, 2011**

3. **Division Dean: Nancy Schoenfeld**

**Date: February 17, 2011**

4. **Brief Description of the Proposal:**

Change the prerequisite and course number to CHM 124 and change the title to Principles of Chemistry for Engineers II. These changes coincide with the proposed changes to CHM 103 which is the prerequisite for CHM 104 and are needed for transferability of these courses to engineering programs.

5. **Effective Date: Fall 2011**

6. **Division Recommendation: The Human Services & Science Division recommends approval of the course number change, prerequisite change and title change to CHM 104 at the 2/17/11 Division meeting.**

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input checked="" type="checkbox"/> Number <input checked="" type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Natural Sciences	Division: Human Services and Science
Current Course Title: Principles of Chemistry II	
Current Course Number: CHM 104	
Current Course Description (as it appears in the college catalog):  <b>CHM 104 Principles of Chemistry II - 4 credits</b> This course is designed for students in engineering or for students requiring a sound knowledge of chemical principles. Students learn the chemical principles of chemical kinetics, chemical equilibrium, acid-base, solubility, electro-chemistry, coordination compounds, and organic chemistry. <b>Prerequisite:</b> CHM 103	
Proposed Description (include all proposed changes):  <b>CHM 124 Principles of Chemistry for Engineers II - 4 credits</b> This course is designed for students in engineering or for students requiring a sound knowledge of chemical principles. Students learn the chemical principles of chemical kinetics, chemical equilibrium, acid-base, solubility, electro-chemistry, coordination compounds, and organic chemistry. <b>Prerequisite:</b> CHM 123	
Rationale for the change:  These changes coincide with the proposed changes to CHM 103 which is the prerequisite for CHM 104 and are needed for transferability of these courses to engineering programs.	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department. Basic Engineering – See attached grids and prerequisite change for ERG 223.	
If this change affects a program grid, please submit a Program Revision Proposal.	

BASIC ENGINEERING - Associate in Science (Study Option: BE) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Principles of Chemistry I	CHM 103	F/S/SU			4	Coreq-MAT 123
C++ for Scientists & Engineers	CSC 221	F/S/SU			3	MAT 124, Coreq-MAT 233 recommended
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
Engineering Graphics	ERG 101	F/S/SU			3	MAT 099
Calculus I	MAT 233	F/S/SU			4	MAT 124
<b>Semester 2</b>						
Principles of Chemistry II	CHM 104	F/S/SU			4	CHM 103
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Calculus II	MAT 234	F/S/SU			4	MAT 233
General Physics I	PHY 105	S/SU			4	MAT 233
Social Science Elective	---				3	
<b>Semester 3</b>						
Introduction to Materials Science	ERG 211	F/SU			3	CHM 103, PHY 105
Statics	ERG 221	F/IN			3	MAT 234, PHY 105, PHY 106, Coreq-MAT 235
Calculus III	MAT 235	F			4	MAT 234
Probability & Statistics for Engineers & Scientists	MAT 237	F/SU			3	MAT 233
General Physics II	PHY 106	F/SU			4	MAT 234, PHY 105
<b>Semester 4</b>						
Thermodynamics	ERG 223	S			3	CHM 104, MAT 235, PHY 106
Strength of Materials	ERG 225	S			3	ERG 221, MAT 235, Coreq-MAT 238
Differential Equations	MAT 238	S/SU			3	MAT 235
Linear Algebra	MAT 243	S/SU			3	Coreq-MAT 238
General Physics III	PHY 205	S/SU			4	MAT 235, PHY 106, Coreq-MAT 238
<b>Total credits required</b>					<b>68</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Basic Engineering

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**  
The Basic Engineering program prepares students to transfer to a four-year engineering program.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)  
*Former joint admissions program*

**Program Coordinator:**  
Dadbeh Bigonahy 508.854.4323  
[dadbehb@qcc.mas.edu](mailto:dadbehb@qcc.mas.edu)

- Program Footnotes:**
- Students should note that most required courses carry minimum prerequisites of ENG 100 and MAT124.
  - WPI has notified QCC that they will not accept courses for transfer credit if the courses were taken on-line. Students are advised to consult with their transfer institution(s) of choice for information on similar policies.

**Technical Performance Standards:**  
Review the Technical Performance Standards requirements on pages 15-17.

BASIC ENGINEERING - Associate in Science (Study Option: BE) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Principles of Chemistry for Engineers I	CHM 123	F/S/SU			4	Coreq-MAT 233
C++ for Scientists & Engineers	CSC 221	F/S/SU			3	MAT 124, Coreq-MAT 233 recommended
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
Engineering Graphics	ERG 101	F/S/SU			3	MAT 099
Calculus I	MAT 233	F/S/SU			4	MAT 124
<b>Semester 2</b>						
Principles of Chemistry for Engineers II	CHM 124	F/S/SU			4	CHM 123
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Calculus II	MAT 234	F/S/SU			4	MAT 233
General Physics I	PHY 105	S/SU			4	MAT 233
Social Science Elective	---				3	
<b>Semester 3</b>						
Introduction to Materials Science	ERG 211	F/SU			3	CHM 123, PHY 105
Statics	ERG 221	F/IN			3	MAT 234, PHY 105, PHY 106, Coreq-MAT 235
Calculus III	MAT 235	F			4	MAT 234
Probability & Statistics for Engineers & Scientists	MAT 237	F/SU			3	MAT 233
General Physics II	PHY 106	F/SU			4	MAT 234, PHY 105
<b>Semester 4</b>						
Thermodynamics	ERG 223	S			3	CHM 124, MAT 235, PHY 106
Strength of Materials	ERG 225	S			3	ERG 221, MAT 235, Coreq-MAT 238
Differential Equations	MAT 238	S/SU			3	MAT 235
Linear Algebra	MAT 243	S/SU			3	Coreq-MAT 238
General Physics III	PHY 205	S/SU			4	MAT 235, PHY 106, Coreq-MAT 238
<b>Total credits required</b>					<b>68</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Basic Engineering

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**  
The Basic Engineering program prepares students to transfer to a four-year engineering program.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)  
*Former joint admissions program*

**Program Coordinator:**  
Dadbeh Bigonahy 508.854.4323  
[dadbehb@qcc.mas.edu](mailto:dadbehb@qcc.mas.edu)

**Program Footnotes:**

- Students should note that most required courses carry minimum prerequisites of ENG 100 and MAT124.
- WPI has notified QCC that they will not accept courses for transfer credit if the courses were taken on-line. Students are advised to consult with their transfer institution(s) of choice for information on similar policies.

**Technical Performance Standards:**  
Review the Technical Performance Standards requirements on pages 15-17.

**BASIC ENGINEERING - Associate in Science - Biomedical Engineering Option (Program Code: BEBM ) - Current**

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
General Biology: Core Concepts	BIO 101	F/S/SU			4	MAT 095 with a "C" or better on the MAT 095 departmental final exam or approp place score; Coreq- ENG 101
Principles of Chemistry I	CHM 103	F/S/SU			4	Coreq-MAT 123
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
Calculus I	MAT 233	F/S/SU			4	MAT 124
Social Science Elective	---				3	
<b>Semester 2</b>						
Cell Biology	BIO 259	F/S			4	BIO 101
Principles of Chemistry II	CHM 104	F/S/SU			4	CHM 103
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Calculus II	MAT 234	F/S/SU			4	MAT 233
General Physics I	PHY 105	S/SU			4	MAT 233
<b>Semester 3 (Summer)</b>						
Probability & Statistics for Engineers & Scientists	MAT 237	F/SU			3	MAT 233
General Physics II	PHY 106	F/SU			4	MAT 234, PHY 105
<b>Semester 4</b>						
Molecular Biology	BIO 260	F/S			4	BIO 259
Introduction to Materials Science	ERG 211	F/SU			3	CHM 103, PHY 105
Statics	ERG 221	F/IN			3	MAT 234, PHY 105, PHY 106, Coreq-MAT 235
Calculus III	MAT 235	F			4	MAT 234
<b>Semester 5</b>						
Thermodynamics	ERG 223	S			3	CHM 104, MAT 235, PHY 106
Strength of Materials	ERG 225	S			3	ERG 221, MAT 235, Coreq-MAT 238
Differential Equations	MAT 238	S/SU			3	MAT 235
Linear Algebra	MAT 243	S/SU			3	Coreq-MAT 238
General Physics III	PHY 205	S/SU			4	MAT 235, PHY 106, Coreq-MAT 238
<b>Total credits required</b>					<b>74</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Basic Engineering-Biomedical Engineering Option

**Admission Requirements:**  
High School Diploma or GED  
(refer to page 9)

**The Next Step:**  
The Basic Engineering program prepares students to transfer to a four-year engineering program.  
This program has transfer articulation agreements  
More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)  
Former joint admissions program

**Program Coordinator:**  
Dadbeh Bigonahy 508.854.4323  
[dadbehb@qcc.mas.edu](mailto:dadbehb@qcc.mas.edu)

**Program Notes:**  
Students should note that most required courses carry minimum prerequisites of ENG 100 and MAT124.  
WPI has notified QCC that they will not accept courses for transfer credit if the courses were taken on-line. Students are advised to consult with their transfer institution(s) of choice for information on similar policies.

**Technical Performance Standards:**  
Review the Technical Performance Standards requirements on pages 15-17.

**BASIC ENGINEERING - Associate in Science - Biomedical Engineering Option (Program Code: BEBM ) - Proposed**

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
General Biology: Core Concepts	BIO 101	F/S/SU			4	MAT 095 with a "C" or better on the MAT 095 departmental final exam or approp place score; Coreq- ENG 101
Principles of Chemistry for Engineers I	CHM 123	F/S/SU			4	Coreq-MAT 233
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
Calculus I	MAT 233	F/S/SU			4	MAT 124
Social Science Elective	---				3	
<b>Semester 2</b>						
Cell Biology	BIO 259	F/S			4	BIO 101
Principles of Chemistry for Engineers II	CHM 124	F/S/SU			4	CHM 123
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Calculus II	MAT 234	F/S/SU			4	MAT 233
General Physics I	PHY 105	S/SU			4	MAT 233
<b>Semester 3 (Summer)</b>						
Probability & Statistics for Engineers & Scientists	MAT 237	F/SU			3	MAT 233
General Physics II	PHY 106	F/SU			4	MAT 234, PHY 105
<b>Semester 4</b>						
Molecular Biology	BIO 260	F/S			4	BIO 259
Introduction to Materials Science	ERG 211	F/SU			3	CHM 123, PHY 105
Statics	ERG 221	F/IN			3	MAT 234, PHY 105, PHY 106, Coreq-MAT 235
Calculus III	MAT 235	F			4	MAT 234
<b>Semester 5</b>						
Thermodynamics	ERG 223	S			3	CHM 124, MAT 235, PHY 106
Strength of Materials	ERG 225	S			3	ERG 221, MAT 235, Coreq-MAT 238
Differential Equations	MAT 238	S/SU			3	MAT 235
Linear Algebra	MAT 243	S/SU			3	Coreq-MAT 238
General Physics III	PHY 205	S/SU			4	MAT 235, PHY 106, Coreq-MAT 238
<b>Total credits required</b>					<b>74</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Basic Engineering-Biomedical Engineering Option

**Admission Requirements:**  
High School Diploma or GED  
(refer to page 9)

**The Next Step:**  
The Basic Engineering program prepares students to transfer to a four-year engineering program.  
This program has transfer articulation agreements  
More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)  
Former joint admissions program

**Program Coordinator:**  
Dadbeh Bigonahy 508.854.4323  
[dadbehb@qcc.mas.edu](mailto:dadbehb@qcc.mas.edu)

**Program Notes:**  
Students should note that most required courses carry minimum prerequisites of ENG 100 and MAT124.  
WPI has notified QCC that they will not accept courses for transfer credit if the courses were taken on-line. Students are advised to consult with their transfer institution(s) of choice for information on similar policies.

**Technical Performance Standards:**  
Review the Technical Performance Standards requirements on pages 15-17.

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

1. **Course Name & Number :** CHM 201 Organic Chemistry I

2. **Originator:** Dadbeh Bigonahy

**Date:** February 17, 2011

3. **Division Dean:** Nancy Schoenfeld

**Date:** February 17, 2011

4. **Brief Description of the Proposal:**

Change the prerequisite from CHM 103 to CHM 105 or CHM 123.

5. **Effective Date:** Fall 2011

6. **Division Recommendation:** The Human Services & Science Division recommends approval of the prerequisite change to CHM 201 at the 2/17/11 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Natural Sciences	Division: Human Services and Science
Current Course Title: Organic Chemistry I	
Current Course Number: CHM 201	
Current Course Description (as it appears in the college catalog):	
<p><b>CHM 201 Organic Chemistry I</b> <span style="float: right;"><b>4 credits</b></span></p> <p>This course introduces the chemistry of carbon compounds for students pursuing a career in medicine, chemistry, or modern biology by examining the relationship between organic chemistry and biology. Topics include the chemistry of the carbon atom; the structure, physical properties and reactivity of the important classes of organic compounds; stereochemistry; and IR spectroscopy. Laboratory topics include chromatography, isolation and crystallization, fractional distillation, and basic organic reactions. Three hours lecture, three hours laboratory.</p> <p><b>Prerequisite: CHM 103.</b></p>	
Proposed Description (include all proposed changes):	
<p><b>CHM 201 Organic Chemistry I</b> <span style="float: right;"><b>4 credits</b></span></p> <p>This course introduces the chemistry of carbon compounds for students pursuing a career in medicine, chemistry, or modern biology by examining the relationship between organic chemistry and biology. Topics include the chemistry of the carbon atom; the structure, physical properties and reactivity of the important classes of organic compounds; stereochemistry; and IR spectroscopy. Laboratory topics include chromatography, isolation and crystallization, fractional distillation, and basic organic reactions. Three hours lecture, three hours laboratory.</p> <p><b>Prerequisite: CHM 105 or CHM 123.</b></p>	
Rationale for the change:	
<p>The number for CHM 103 is changing to CHM 123. Additionally, the department has added a new course, CHM 105 which is an appropriate prerequisite for CHM 201.</p>	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal.	

QUINSIGAMOND COMMUNITY COLLEGE

COURSE REVISION PROPOSAL

1. Course Name & Number : ERG 211 Introduction to Materials Science

2. Originator: Dadbeh Bigonahy Date: February 17, 2011

3. Division Dean: Nancy Schoenfeld Date: February 17, 2011

4. Brief Description of the Proposal:

Prerequisite change due to course number change for CHM 103

5. Effective Date: Fall 2011

6. Division Recommendation: The Human Services & Science Division recommends approval of the prerequisite change to ERG 211 at the 2/17/11 Division meeting.

7. Academic Affairs Staff: \_\_\_\_\_ Date: \_\_\_\_\_

Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_  
Comments:

8. VP/Academic Affairs: \_\_\_\_\_ Date: \_\_\_\_\_

Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_  
Comments:

9. Academic Affairs Committee: \_\_\_\_\_ Date: \_\_\_\_\_

Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_  
Comments:

10. VP/Academic Affairs: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Not Approved: \_\_\_\_\_  
Comments:

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Basic Engineering	Division: Business & Technology
Current Course Title: Introduction to Materials Science	
Current Course Number: ERG 211	
Current Course Description (as it appears in the college catalog):  <b>ERG 211 Introduction to Materials Science</b> <span style="float: right;"><b>3 credits</b></span> This course explores the fundamental properties of engineering materials utilizing micro and macro methods of material design. Students learn the atomic structures, chemical properties, and physical behavior of engineering materials, including biomaterials. <b>Prerequisites: CHM 103, PHY 105.</b>	
Proposed Description (include all proposed changes):  <b>ERG 211 Introduction to Materials Science</b> <span style="float: right;"><b>3 credits</b></span> This course explores the fundamental properties of engineering materials utilizing micro and macro methods of material design. Students learn the atomic structures, chemical properties, and physical behavior of engineering materials, including biomaterials. <b>Prerequisites: CHM 123, PHY 105.</b>	
Rationale for the change:  The course number for CHM 103 was changed.	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal. See grid attached to CHM 104 proposal.	

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

1. **Course Name & Number :** ERG 223 Vj gto qf { pco leu

2. **Originator:** Dadbeh Bigonahy

**Date:** February 17, 2011

3. **Division Dean:** Nancy Schoenfeld

**Date:** February 17, 2011

4. **Brief Description of the Proposal:**

Prerequisite change due to course number change for CHM 104

5. **Effective Date:** Fall 2011

6. **Division Recommendation:** The Human Services & Science Division recommends approval of the prerequisite change to ERG 223 at the 2/17/11 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Basic Engineering	Division: Business & Technology
Current Course Title: Thermodynamics	
Current Course Number: ERG 223	
Current Course Description (as it appears in the college catalog):  <p><b>ERG 223 Thermodynamics</b> <span style="float: right;"><b>3 credits</b></span>                  This course introduces the laws of thermodynamics through the study of systems and the flow of energy across system boundaries. Students learn the First Law of Thermodynamics (utilizing heat, energy, work, enthalpy) and the Second Law of Thermodynamics (and the property of entropy) and their macroscopic and microscopic implications. The course focuses on the application of thermodynamics to engineering systems.  <b>Prerequisites: CHM 104, MAT 235, PHY 106.</b></p>	
Proposed Description (include all proposed changes):  <p><b>ERG 223 Thermodynamics</b> <span style="float: right;"><b>3 credits</b></span>                  This course introduces the laws of thermodynamics through the study of systems and the flow of energy across system boundaries. Students learn the First Law of Thermodynamics (utilizing heat, energy, work, enthalpy) and the Second Law of Thermodynamics (and the property of entropy) and their macroscopic and microscopic implications. The course focuses on the application of thermodynamics to engineering systems.  <b>Prerequisites: CHM 124, MAT 235, PHY 106.</b></p>	
Rationale for the change:  The course number for CHM 104 was changed.	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal. See grid attached to CHM 104 proposal.	

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

1. **Course Name & Number :** BIO 232 Medical Microbiology

2. **Originator:** Maggie Crowell-Murray

**Date:** February 17, 2011

3. **Division Dean:** Nancy Schoenfeld

**Date:** February 17, 2011

4. **Brief Description of the Proposal:**

Change the prerequisite from CHM 103 to CHM 123.

5. **Effective Date:** Fall 2011

6. **Division Recommendation:** The Human Services & Science Division recommends approval of the prerequisite change to BIO 232 at the 2/17/11 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Natural Sciences	Division: Human Services and Science
Current Course Title: Medical Microbiology	
Current Course Number: BIO 232	
Current Course Description (as it appears in the college catalog):	
<p><b>BIO 232 Medical Microbiology</b> <span style="float: right;"><b>4 credits</b></span>                  This course examines the major groups of pathogenic bacteria. Topics include microbial control, immunization, and the physiological problems these microorganisms produce on body tissues. Student learn the general structure and function of bacteria, viruses, molds, fungi, and rickettsiae; the factors which make these microbes pathogenic, and how these factors induce the disease state; how the human body fights infection naturally; and, methods of natural and passive immunization.  <b>Prerequisite: BIO 112 or CHM 123 or CHM 105.</b></p>	
Proposed Description (include all proposed changes):	
<p><b>BIO 232 Medical Microbiology</b> <span style="float: right;"><b>4 credits</b></span>                  This course examines the major groups of pathogenic bacteria. Topics include microbial control, immunization, and the physiological problems these microorganisms produce on body tissues. Student learn the general structure and function of bacteria, viruses, molds, fungi, and rickettsiae; the factors which make these microbes pathogenic, and how these factors induce the disease state; how the human body fights infection naturally; and, methods of natural and passive immunization.  <b>Prerequisite: BIO 112 or CHM 123 or CHM 105.</b></p>	
Rationale for the change:	
The CHM 103 course number is changing to CHM 123.	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
If yes, explain and please confer with the coordinator of the affected department. All healthcare programs that require BIO 232 – see attached grids.	
If this change affects a program grid, please submit a Program Revision Proposal.	

ALLIED DENTAL - Associate in Science - Health Science Option (Study Option: ADHS) -Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Clinical Science I	DAS 101	F			3	Coreq-BIO 140, DAS 151 Coreq-DAS 101
Dental Assisting I	DAS 151	F			4	
Anatomy of the Head & Neck	DHY 121	F			2	
Dental Anatomy	DHY 125	F			1	
Dental Radiology	DHY 131	F			3	
Dental Materials	DHY 241	F			2	
Elective	---	F/S/SU			3/4	
<b>Semester 2</b>						
Dental Assisting Clinical Practicum	DAS 153	I			2	BIO 140, DAS 101, DAS 151, DHY 131
<b>Semester 3</b>						
Clinical Science II	DAS 105	S			4	DAS 101
Practice Management	DAS 111	S			3	
Introduction to Oral Pathology	DAS 124	S			1	DAS students only
Dental Assisting II	DAS 155	S			6	DAS 153
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
<b>Semester 4</b>						
Anatomy and Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq-ENG 101
Introduction to the Chemistry of Living Systems	CHM 101	F/S/SU			4	CHM 090 or 1 year of H.S. Chemistry, MAT 095
Speech Communication Skills	SPH 101	F/S/SU			3	Coreq-ENG 101
Introduction to Psychology	PSY 101	F/S/SU			3	Coreq-ENG 100 or approp place score
Introductory Sociology (Principles)	SOC 101	F/S/SU			3	Coreq-ENG 100 or approp place score
<b>Semester 5</b>						
Anatomy and Physiology II	BIO 112	F/S/SU			4	BIO 111
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 103 or CHM 105
Nutrition	BIO 241	F/S/SU			3	BIO 101 or BIO 111
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
<b>Total credits required</b>					<b>68/69</b>	

**The Degree:**  
Associate of Science with Options in Health Science, Dental Office Management, and Dental Sales/Marketing

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13.
- ADA accredited program certificate in Dental Assisting

**The Program:**

This is an associate degree completion program for those who wish to expand their career opportunities.

**The Next Step:**

Transfer into a four-year degree program or into a dental hygiene program.

**Program Coordinator:**

Jennifer McKeon  
[jmckeon@qcc.mass.edu](mailto:jmckeon@qcc.mass.edu)

**Program Footnotes:**

For more information see program introduction.

**Technical Performance Standards:**

Prior to application please review the Technical Standards requirements on pages 15-17.

ALLIED DENTAL - Associate in Science - Health Science Option (Study Option: ADHS) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Clinical Science I	DAS 101	F			3	Coreq-BIO 140, DAS 151
Dental Assisting I	DAS 151	F			4	Coreq-DAS 101
Anatomy of the Head & Neck	DHY 121	F			2	
Dental Anatomy	DHY 125	F			1	
Dental Radiology	DHY 131	F			3	
Dental Materials	DHY 241	F			2	
Elective	---	F/S/SU			3/4	
<b>Semester 2</b>						
Dental Assisting Clinical Practicum	DAS 153	I			2	BIO 140, DAS 101, DAS 151, DHY 131
<b>Semester 3</b>						
Clinical Science II	DAS 105	S			4	DAS 101
Practice Management	DAS 111	S			3	
Introduction to Oral Pathology	DAS 124	S			1	DAS students only
Dental Assisting II	DAS 155	S			6	DAS 153
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
<b>Semester 4</b>						
Anatomy and Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq-ENG 101
Introduction to the Chemistry of Living Systems	CHM 101	F/S/SU			4	CHM 090 or 1 year of H.S. Chemistry, MAT 095
Speech Communication Skills	SPH 101	F/S/SU			3	Coreq-ENG 101
Introduction to Psychology	PSY 101	F/S/SU			3	Coreq-ENG 100 or approp place score
Introductory Sociology (Principles)	SOC 101	F/S/SU			3	Coreq-ENG 100 or approp place score
<b>Semester 5</b>						
Anatomy and Physiology II	BIO 112	F/S/SU			4	BIO 111
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 123 or CHM 105
Nutrition	BIO 241	F/S/SU			3	BIO 101 or BIO 111
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
<b>Total credits required</b>					<b>68/69</b>	

**The Degree:**  
Associate of Science with Options in Health Science, Dental Office Management, and Dental Sales/Marketing

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13.
- ADA accredited program certificate in Dental Assisting

**The Program:**  
This is an associate degree completion program for those who wish to expand their career opportunities.

**The Next Step:**  
Transfer into a four-year degree program or into a dental hygiene program.

**Program Coordinator:**  
Jennifer McKeon  
[jmckeon@gcc.mass.edu](mailto:jmckeon@gcc.mass.edu)

**Program Footnotes:**  
For more information see program introduction.

**Technical Performance Standards:**  
Prior to application please review the Technical Standards requirements on pages 15-17.

DENTAL HYGIENE - Associate in Science (Study Option: DH) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Summer I)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq: ENG 101 ENG 100
English Composition & Literature I	ENG 101	F/S/SU			3	
<b>Semester 2 (Summer II)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111 CHM 090 or one year of HS Chemistry, MAT 095 or MAT 096
Introduction to the Chemistry of Living Systems	CHM 101	F/S/SU			4	
Dental Anatomy	DHY 125	SU			1	
<b>Semester 3 (Fall)</b>						
Dental Hygiene Process I	DHY 111	F			4	Coreq: BIO 111, CHM 101  ENG 100 or approp placement score
Anatomy of the Head & Neck	DHY 121	F			2	
Oral Histology & Embryology	DHY 123	F			2	
Dental Radiology	DHY 131	F			3	
Introduction to Psychology	PSY 101	F/S/SU			3	
<b>Semester 4 (Intersession)</b>						
Practice Management	DHY 116	I			1	DHY 111
<b>Semester 5 (Spring)</b>						
Nutrition in Oral and Systemic Health	DHY 250	S			3	Prereq: BIO 111, Coreq: DHY 112 CHM 101, DHY 111 Coreq: BIO 112, DHY 250  BIO 111, CHM 101, DHY 111, DHY 131, DHY 125, DHY 121, Coreq: DHY 112, BIO 112
Dental Hygiene Process II	DHY 112	S			5	
Periodontology	DHY 124	S			2	
Oral Pathology	DHY 126	S			2	
Local Anesthesia for the Dental Hygienist	DHY 150	S			2	
<b>Semester 6 (Summer)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 103 or CHM 105 ENG 101
English Composition & Literature II	ENG 102	F/S/SU			3	
<b>Semester 7 (Fall)</b>						
Health Promotion	DHY 201	F			2	BIO 112, DHY 112  ENG 100 or approp placement score
Dental Hygiene Process III	DHY 211	F			5	
Dental Pharmacology	DHY 231	F			2	
Dental Materials	DHY 241	F			2	
Introductory Sociology (Principles)	SOC 101	F/S/SU			3	
<b>Semester 8 (Spring)</b>						
Dental Ethics, Jurisprudence, & Professional Issues	DHY 202	S			2	DHY 211
Dental Hygiene Process IV	DHY 212	S			6	
Dental Public Health	DHY 242	S			2	
Liberal Arts Elective	---	F/S/SU			3	
<b>Total credits required</b>					<b>79</b>	

**The Degree:**  
Associate of Science

**The Program:**  
Dental Hygiene

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see Admission Process in the program introduction.

**The Next Step:**

The program prepares students for an entry-level position as a dental hygienist. Dental hygienists must be licensed by the state in which the student practices. Licensure in Massachusetts requires that applicants pass the National Board Dental Hygiene Examination and the Northeast Regional Board Examination.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.gcc.mass.edu/transfer](http://www.gcc.mass.edu/transfer)  
*Former joint admissions program*

**Program Coordinator:**

Jane Gauthier 508.854.4231  
[jgauthier@gcc.mass.edu](mailto:jgauthier@gcc.mass.edu)

**Program Footnotes:**

BIO 111, BIO 112, CHM 101 and all professional courses must be completed with a grade of "C" or higher.

Students are required to maintain health insurance throughout student's enrollment and certification in CPR-Health Care Provider Level.

A CORI/SORI check is required of all students accepted into the program.

**Technical Performance Standards:**

Prior to application to this program, please review the Technical Performance Standards requirements on pages 15-17.

DENTAL HYGIENE - Associate in Science (Study Option: DH) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Summer I)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq: ENG 101 ENG 100
English Composition & Literature I	ENG 101	F/S/SU			3	
<b>Semester 2 (Summer II)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111 CHM 090 or one year of HS Chemistry, MAT 095 or MAT 096
Introduction to the Chemistry of Living Systems	CHM 101	F/S/SU			4	
Dental Anatomy	DHY 125	SU			1	
<b>Semester 3 (Fall)</b>						
Dental Hygiene Process I	DHY 111	F			4	Coreq: BIO 111, CHM 101
Anatomy of the Head & Neck	DHY 121	F			2	
Oral Histology & Embryology	DHY 123	F			2	ENG 100 or approp placement score
Dental Radiology	DHY 131	F			3	
Introduction to Psychology	PSY 101	F/S/SU			3	
<b>Semester 4 (Intersession)</b>						
Practice Management	DHY 116	I			1	DHY 111
<b>Semester 5 (Spring)</b>						
Nutrition in Oral and Systemic Health	DHY 250	S			3	Prereq: BIO 111, Coreq: DHY 112 CHM 101, DHY 111 Coreq: BIO 112, DHY 250
Dental Hygiene Process II	DHY 112	S			5	
Periodontology	DHY 124	S			2	BIO 111, CHM 101, DHY 111, DHY 131, DHY 125, DHY 121, Coreq: DHY 112, BIO 112
Oral Pathology	DHY 126	S			2	
Local Anesthesia for the Dental Hygienist	DHY 150	S			2	
<b>Semester 6 (Summer)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 123 or CHM 105 ENG 101
English Composition & Literature II	ENG 102	F/S/SU			3	
<b>Semester 7 (Fall)</b>						
Health Promotion	DHY 201	F			2	BIO 112, DHY 112
Dental Hygiene Process III	DHY 211	F			5	
Dental Pharmacology	DHY 231	F			2	ENG 100 or approp placement score
Dental Materials	DHY 241	F			2	
Introductory Sociology (Principles)	SOC 101	F/S/SU			3	
<b>Semester 8 (Spring)</b>						
Dental Ethics, Jurisprudence, & Professional Issues	DHY 202	S			2	DHY 211
Dental Hygiene Process IV	DHY 212	S			6	
Dental Public Health	DHY 242	S			2	
Liberal Arts Elective	---	F/S/SU			3	
<b>Total credits required</b>					<b>79</b>	

**The Degree:**  
Associate of Science

**The Program:**  
Dental Hygiene

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see Admission Process in the program introduction.

**The Next Step:**

The program prepares students for an entry-level position as a dental hygienist. Dental hygienists must be licensed by the state in which the student practices. Licensure in Massachusetts requires that applicants pass the National Board Dental Hygiene Examination and the Northeast Regional Board Examination.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)  
*Former joint admissions program*

**Program Coordinator:**

Jane Gauthier 508.854.4231  
[jgauthier@qcc.mass.edu](mailto:jgauthier@qcc.mass.edu)

**Program Footnotes:**

BIO 111, BIO 112, CHM 101 and all professional courses must be completed with a grade of "C" or higher.

Students are required to maintain health insurance throughout student's enrollment and certification in CPR-Health Care Provider Level.

A CORI/SORI check is required of all students accepted into the program.

**Technical Performance Standards:**

Prior to application to this program, please review the Technical Performance Standards requirements on pages 15-17.

NURSE EDUCATION — Associate in Science (Study Option: NUR) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology.
English Composition & Literature I	ENG 101	F/S/SU			3	Coreq-ENG 101 ENG 100
<b>Semester 2</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
Fundamentals of Nursing	NUR 104	F/S			7	Coreq-BIO 112, PSY 101, NUR 103
Current Concepts in Nursing & Health Care I	NUR 103	F/S			1	Coreq-BIO 112, PSY 101, NUR 104
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 3</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 103 or CHM 105
Medical Surgical Nursing I / Maternal Newborn	NUR 105	F/S			8	NUR 101 or NUR 103 and NUR 104 Coreq- BIO 232, PSY 121
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101 Coreq- ENG 100 or approp place score
<b>Semester 4</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
History Elective*	---				3	
Medical Surgical Nursing II / Pediatric	NUR 201	F/S			10	NUR 105 Coreq--ENG 102, any HST, SOC 101 or SOC 111
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101 SOC 111	F/S/SU F/S/SU			3	ENG 100 or approp place score ENG 100 or approp place score
<b>Semester 5</b>						
Humanities Elective*					3	
Medical Surgical Nursing III / Mental Health	NUR 202	F/S			10	NUR 201 Coreq- NUR 203, Humanities Electives
Current Concepts in Nursing & Health Care II	NUR 203	F/S			2	NUR 201 Coreq-NUR 202
<b>Total credits required</b>					<b>71</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Nurse Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction.

**The Next Step:**

Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)

**Program Coordinator:** DAY

Karen Carpenter 508.854.4333  
[karenca@qcc.mass.edu](mailto:karenca@qcc.mass.edu)

**Program Footnotes:**

\*May be taken in either the first or second semester of the second year.

**CORI/SORI:**

See CORI/SORI Information on pervious page.

**Technical Performance Standards:**

Can be found on pages 15 - 17.

For more information see program introduction.

Classes enter in both Fall and Spring Semesters.

NURSE EDUCATION — Associate in Science (Study Option: NUR) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology.
English Composition & Literature I	ENG 101	F/S/SU			3	Coreq-ENG 101 ENG 100
<b>Semester 2</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
Fundamentals of Nursing	NUR 104	F/S			7	Coreq-BIO 112, PSY 101, NUR 103
Current Concepts in Nursing & Health Care I	NUR 103	F/S			1	Coreq-BIO 112, PSY 101, NUR 104
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 3</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 123 or CHM 105
Medical Surgical Nursing I / Maternal Newborn	NUR 105	F/S			8	NUR 101 or NUR 103 and NUR 104 Coreq- BIO 232, PSY 121
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101 Coreq- ENG 100 or approp place score
<b>Semester 4</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
History Elective*	---				3	
Medical Surgical Nursing II / Pediatric	NUR 201	F/S			10	NUR 105 Coreq--ENG 102, any HST, SOC 101 or SOC 111
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101 SOC 111	F/S/SU F/S/SU			3	ENG 100 or approp place score ENG 100 or approp place score
<b>Semester 5</b>						
Humanities Elective*					3	
Medical Surgical Nursing III / Mental Health	NUR 202	F/S			10	NUR 201 Coreq- NUR 203, Humanities Electives
Current Concepts in Nursing & Health Care II	NUR 203	F/S			2	NUR 201 Coreq-NUR 202
<b>Total credits required</b>					<b>71</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Nurse Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction.

**The Next Step:**

Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)

**Program Coordinator:** DAY

Karen Carpenter 508.854.4333  
[karenca@qcc.mass.edu](mailto:karenca@qcc.mass.edu)

**Program Footnotes:**

\*May be taken in either the first or second semester of the second year.

**CORI/SORI:**

See CORI/SORI Information on pervious page.

**Technical Performance Standards:**

Can be found on pages 15 - 17.

For more information see program introduction.

Classes enter in both Fall and Spring Semesters.

NURSE EDUCATION — Associate in Science (Evening Program) (Study Option: NUE) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Summer 1 or 2)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq-ENG 101
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
<b>Semester 2 (Fall)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
Fundamentals of Nursing	NUR 104	F/S			7	Coreq-BIO 112, PSY 101, NUR 103
Current Concepts in Nursing & Health Care I	NUR 103	F/S			1	Coreq-BIO 112, PSY 101, NUR 104
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 3 (Spring)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 103 or CHM 105
Medical Surgical Nursing I / Maternal Newborn	NUR 105	S			8	NUR 101 or NUR 103 and NUR 104 Coreq- BIO 232, PSY 121
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101 Coreq- ENG 100 or approp place score
<b>Semester 4 (Summer 1 and 2)</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
History Elective*	---	F/S/SU			3	
Medical Surgical Nursing II / Pediatric**	NUR 201	SU			10	NUR 105 Coreq--ENG 102, any HST, SOC 101 or SOC 111
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101 SOC 111	F/S/SU F/S/SU			3	ENG 100 or approp place score ENG 100 or approp place score
<b>Semester 5 (Fall)</b>						
Humanities Elective*		F/S/SU			3	
Medical Surgical Nursing III / Mental Health	NUR 202	F			10	NUR 201 Coreq- NUR 203, Humanities Electives
Current Concepts in Nursing & Health Care II	NUR 203	F			2	NUR 201 Coreq-NUR 202
<b>Total credits required</b>					<b>71</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Nurse Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- BA/BS or MA/MS degree for evening program ONLY
- Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction

**The Next Step:**

Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)

**Program Coordinator: EVENING**

Ellen Vangel-Brousseau, RN, MS  
508.854.7402 [ellenvb@qcc.mass.edu](mailto:ellenvb@qcc.mass.edu)

**Program Footnotes:**

\*May be taken in either the summer of fall semester.

\*\*Class may be held during the daytime.

**CORI/SORI:**

See CORI/SORI Information on pervious page.

**Technical Performance Standards:**

Can be found on pages 15 - 17.

For more information see program introduction.

NURSE EDUCATION — Associate in Science (Evening Program) (Study Option: NUE) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Summer 1 or 2)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq-ENG 101
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
<b>Semester 2 (Fall)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
Fundamentals of Nursing	NUR 104	F/S			7	Coreq-BIO 112, PSY 101, NUR 103
Current Concepts in Nursing & Health Care I	NUR 103	F/S			1	Coreq-BIO 112, PSY 101, NUR 104
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 3 (Spring)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 123 or CHM 105
Medical Surgical Nursing I / Maternal Newborn	NUR 105	S			8	NUR 101 or NUR 103 and NUR 104 Coreq- BIO 232, PSY 121
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101 Coreq- ENG 100 or approp place score
<b>Semester 4 (Summer 1 and 2)</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
History Elective*	---	F/S/SU			3	
Medical Surgical Nursing II / Pediatric**	NUR 201	SU			10	NUR 105 Coreq--ENG 102, any HST, SOC 101 or SOC 111
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101 SOC 111	F/S/SU F/S/SU			3	ENG 100 or approp place score ENG 100 or approp place score
<b>Semester 5 (Fall)</b>						
Humanities Elective*		F/S/SU			3	
Medical Surgical Nursing III / Mental Health	NUR 202	F			10	NUR 201 Coreq- NUR 203, Humanities Electives
Current Concepts in Nursing & Health Care II	NUR 203	F			2	NUR 201 Coreq-NUR 202
<b>Total credits required</b>					<b>71</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Nurse Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- BA/BS or MA/MS degree for evening program ONLY
- Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction

**The Next Step:**  
Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

- This program has transfer articulation agreements
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)

**Program Coordinator: EVENING**  
Ellen Vangel-Brousseau, RN, MS  
508.854.7402 [ellenvb@qcc.mass.edu](mailto:ellenvb@qcc.mass.edu)

**Program Footnotes:**  
\*May be taken in either the summer of fall semester.  
\*\*Class may be held during the daytime.

**CORI/SORI:**  
See CORI/SORI Information on pervious page.

**Technical Performance Standards:**  
Can be found on pages 15 - 17.

For more information see program introduction.

NURSE EDUCATION — Associate in Science – Advanced Placement LPN to ADN (Evening Program) (Study Option: NUL) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or High School Advance Placement Biology Coreq-ENG 101 ENG 100 or approp place score
English Composition & Literature I	ENG 101	F/S/SU			3	
<b>Semester 2</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111 ENG 100 or approp place score
Introduction to Psychology	PSY 101	F/S/SU			3	
<b>Semester 3 (Intersession)</b>						
Advanced Placement Nursing I*	NUR 101	I			1	BIO 112, NUR 100 or admission to LPN to ADN program, PSY 101 Coreq- NUR 103 (credentialed) and NUR 104 (credentialed)
Current Concepts in Nursing & Health Care I** (Credentialing)	NUR 103				1	Credential
Fundamentals of Nursing** (Credentialing)	NUR 104				7	Credential
<b>Semester 4</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 103 or CHM 105 NUR 101 or NUR 103 and NUR 104 Coreq- BIO 232, PSY 121
Medical Surgical Nursing I/Maternal Newborn	NUR 105	S			8	
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101
<b>Semester 5</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
History Elective***	---	F/S/SU			3	
Medical Surgical Nursing II/Pediatric****	NUR 201	SU			10	NUR 105 Coreq—ENG 102, any HST, SOC 101 or SOC 111
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101 SOC 111	F/S/SU F/S/SU			3	ENG 100 or approp place score ENG 100 or approp place score
<b>Semester 6</b>						
Humanities Elective***	---	F/S/SU			3	NUR 201 Coreq- NUR 203, Humanities Electives
Medical Surgical Nursing III/Mental Health	NUR 202	F			10	
Current Concepts in Nursing & Health Care <sup>4,5,6</sup>	NUR 203	F			2	Coreq-NUR 202
<b>Total credits required</b>					<b>72</b>	

The Degree: Associate in Science

The Program: Nurse Education

**Admission Process:**

Please see the admission process in the program introduction.

**Admission Requirements:**

High School Diploma or GED (refer to page 9)

Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction

**The Next Step:**

Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

**Program Coordinator:**

Ellen Vangel-Brousseau 508.854.7402  
[ellenvb@gcc.mass.edu](mailto:ellenvb@gcc.mass.edu)

**Program Footnotes:**

\*Students must successfully complete NUR 101 with a C or better to credential for NUR 103 and NUR 104.

\*\*Credit for NUR 103 and NUR 104 is earned through the credentialing process and is required before starting NUR 105.

\*\*\*May be taken in either the summer or fall semester.

\*\*\*\*Class maybe held during the daytime.

Additional Admission Requirements are BIO 111, BIO 112, PSY 101 and ENG 101 = 14 Credits.

**CORI/SORI:**

See CORI/SORI Information on pervious page.

**Technical Performance Standards:**

Can be found on pages 15-17

For more information see program introduction.

NURSE EDUCATION — Associate in Science – Advanced Placement LPN to ADN (Evening Program) (Study Option: NUL) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites	
<b>Semester 1</b>							
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or High School Advance Placement Biology Coreq-ENG 101 ENG 100 or approp place score	
English Composition & Literature I	ENG 101	F/S/SU			3		
<b>Semester 2</b>							
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111 ENG 100 or approp place score	
Introduction to Psychology	PSY 101	F/S/SU			3		
<b>Semester 3 (Intersession)</b>							
Advanced Placement Nursing I*	NUR 101	I			1	BIO 112, NUR 100 or admission to LPN to ADN program, PSY 101 Coreq- NUR 103 (credentialed) and NUR 104 (credentialed)	
Current Concepts in Nursing & Health Care I** (Credentialing)	NUR 103				1		Credential
Fundamentals of Nursing** (Credentialing)	NUR 104				7		Credential
<b>Semester 4</b>							
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 123 or CHM 105 NUR 101 or NUR 103 and NUR 104 Coreq- BIO 232, PSY 121	
Medical Surgical Nursing I/Maternal Newborn	NUR 105	S			8		
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101	
<b>Semester 5</b>							
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101	
History Elective***	---	F/S/SU			3		
Medical Surgical Nursing II/Pediatric****	NUR 201	SU			10	NUR 105 Coreq—ENG 102, any HST, SOC 101 or SOC 111 ENG 100 or approp place score ENG 100 or approp place score	
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101	F/S/SU			3		
	SOC 111	F/S/SU					
<b>Semester 6</b>							
Humanities Elective***	---	F/S/SU			3	NUR 201 Coreq- NUR 203, Humanities Electives	
Medical Surgical Nursing III/Mental Health	NUR 202	F			10		
Current Concepts in Nursing & Health Care <sup>4,5,6</sup>	NUR 203	F			2		Coreq-NUR 202
<b>Total credits required</b>					<b>72</b>		

The Degree: Associate in Science

The Program: Nurse Education

**Admission Process:**

Please see the admission process in the program introduction.

**Admission Requirements:**

High School Diploma or GED (refer to page 9)

Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction

**The Next Step:**

Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

**Program Coordinator:**

Ellen Vangel-Brousseau 508.854.7402  
[ellenvb@gcc.mass.edu](mailto:ellenvb@gcc.mass.edu)

**Program Footnotes:**

\*Students must successfully complete NUR 101 with a C or better to credential for NUR 103 and NUR 104.

\*\*Credit for NUR 103 and NUR 104 is earned through the credentialing process and is required before starting NUR 105.

\*\*\*May be taken in either the summer or fall semester.

\*\*\*\*Class maybe held during the daytime.

Additional Admission Requirements are BIO 111, BIO 112, PSY 101 and ENG 101 = 14 Credits.

**CORI/SORI:**

See CORI/SORI Information on pervious page.

**Technical Performance Standards:**

Can be found on pages 15-17

For more information see program introduction.

NURSE EDUCATION — Associate in Science —Advanced Placement Paramedic to ADN (Evening Program) (Study Option: NUP) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Summer 1)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or High School Advance Placement Biology Coreq-ENG 101
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 2 (Summer 2)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 3 (Fall)</b>						
Paramedic to RN Bridge*	NUR 100	F			1	BIO 112, PSY 101
<b>Semester 4 (Intersession)</b>						
Advanced Placement Nursing I**	NUR 101	I			1	BIO 112, NUR 100 or admission to LPN to ADN program, PSY 101 Coreq- NUR 103 (credentialed) and NUR 104 (credentialed)
Current Concepts in Nursing & Health Care I*** (Credentialing)	NUR 103				1	Credentialed
Fundamentals of Nursing*** (Credentialing)	NUR 104				7	Credentialed
<b>Semester 5 (Spring)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 103 or CHM 105
Medical Surgical Nursing I/Maternal Newborn	NUR 105	S			8	NUR 101 or NUR 103 (credentialed) and NUR 104 (credentialed) Coreq- BIO 232, PSY 121
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101 Coreq- ENG 100 or approp place score
<b>Semester 6 (Summer 1 and 2)</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
History Elective****	---	F/S/SU			3	
Medical Surgical Nursing II/Pediatric*****	NUR 201	SU			10	NUR 105 Coreq—ENG 102, any HST, SOC 101 or SOC 111
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101 SOC 111	F/S/SU F/S/SU			3	ENG 100 or approp place score ENG 100 or approp place score
<b>Semester 7 (Fall)</b>						
Humanities Elective****	---	F/S/SU			3	
Medical Surgical Nursing III/Mental Health	NUR 202	F			10	NUR 201 Coreq- NUR 203, Humanities Electives
Current Concepts in Nursing & Health Care <sup>4,5,6</sup>	NUR 203	F			2	Coreq-NUR 202
<b>Total credits required</b>					<b>73</b>	

The Degree: Associate in Science

The Program: Nurse Education

**Admission Process:**

Please see the admission process in the program introduction.

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction

**The Next Step:**

Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

**Program Coordinator:**

Ellen Vangel-Brousseau 508.854.7402  
[ellenvb@gcc.mass.edu](mailto:ellenvb@gcc.mass.edu)

**Program Footnotes:**

\*Students must successfully complete NUR 100 with a C or better before taking NUR 101.

\*\*Students must successfully complete NUR 101 with a C or better to credential for NUR 103 and NUR 104.

\*\*\*Credit for NUR 103 and NUR 104 is earned through the credentialing process and is required before starting NUR 105.

\*\*\*\*May be taken in either the summer or fall semester.

\*\*\*\*\*Class maybe held during the daytime.

Additional Admission Requirements are BIO 111, BIO 112, PSY 101 and ENG 101 = 14 Credits.

**CORI/SORI:**

See CORI/SORI Information on previous page.

**Technical Performance Standards:**

Can be found on pages 15-17.

For more information see program introduction.

NURSE EDUCATION — Associate in Science —Advanced Placement Paramedic to ADN (Evening Program) (Study Option: NUP) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Summer 1)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or High School Advance Placement Biology Coreq-ENG 101
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 2 (Summer 2)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
<b>Semester 3 (Fall)</b>						
Paramedic to RN Bridge*	NUR 100	F			1	BIO 112, PSY 101
<b>Semester 4 (Intersession)</b>						
Advanced Placement Nursing I**	NUR 101	I			1	BIO 112, NUR 100 or admission to LPN to ADN program, PSY 101 Coreq- NUR 103 (credentialed) and NUR 104 (credentialed)
Current Concepts in Nursing & Health Care I*** (Credentialing)	NUR 103				1	Credentialed
Fundamentals of Nursing*** (Credentialing)	NUR 104				7	Credentialed
<b>Semester 5 (Spring)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 123 or CHM 105
Medical Surgical Nursing I/Maternal Newborn	NUR 105	S			8	NUR 101 or NUR 103 (credentialed) and NUR 104 (credentialed) Coreq- BIO 232, PSY 121
Survey of Life Span Development: Conception to Death	PSY 121	F/S/SU			3	PSY 101 Coreq- ENG 100 or approp place score
<b>Semester 6 (Summer 1 and 2)</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
History Elective****	---	F/S/SU			3	
Medical Surgical Nursing II/Pediatric*****	NUR 201	SU			10	NUR 105 Coreq—ENG 102, any HST, SOC 101 or SOC 111
Introductory Sociology (Principles) or Social Problems & Social Change	SOC 101 SOC 111	F/S/SU F/S/SU			3	ENG 100 or approp place score ENG 100 or approp place score
<b>Semester 7 (Fall)</b>						
Humanities Elective****	---	F/S/SU			3	
Medical Surgical Nursing III/Mental Health	NUR 202	F			10	NUR 201 Coreq- NUR 203, Humanities Electives
Current Concepts in Nursing & Health Care <sup>4,5,6</sup>	NUR 203	F			2	Coreq-NUR 202
<b>Total credits required</b>					<b>73</b>	

The Degree: Associate in Science

The Program: Nurse Education

**Admission Process:**

Please see the admission process in the program introduction.

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see the admission process in the program introduction

**The Next Step:**

Graduates of the Associate Degree in Nursing program are eligible to sit for the NCLEX-RN exam and/or transfer to a four-year program.

**Program Coordinator:**

Ellen Vangel-Brousseau 508.854.7402  
[ellenvb@gcc.mass.edu](mailto:ellenvb@gcc.mass.edu)

**Program Footnotes:**

\*Students must successfully complete NUR 100 with a C or better before taking NUR 101.

\*\*Students must successfully complete NUR 101 with a C or better to credential for NUR 103 and NUR 104.

\*\*\*Credit for NUR 103 and NUR 104 is earned through the credentialing process and is required before starting NUR 105.

\*\*\*\*May be taken in either the summer or fall semester.

\*\*\*\*\*Class maybe held during the daytime.

Additional Admission Requirements are BIO 111, BIO 112, PSY 101 and ENG 101 = 14 Credits.

**CORI/SORI:**

See CORI/SORI Information on previous page.

**Technical Performance Standards:**

Can be found on pages 15-17.

For more information see program introduction.

RESPIRATORY CARE - Associate in Science (Study Option: RS) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Fall)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq-ENG 101
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
Fundamentals of Respiratory Care I	RCP 103	F			2	Coreq-RCP 121
Medical Lectures I	RCP 111	F			3	
Clinical I	RCP 121	F			3	Coreq-RCP 103
Pharmacology	RCP 141	F			3	Coreq- RCP 111
<b>Semester 2 (Spring)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Physics for Respiratory Care	PHY 103	S			2	MAT 095
Fundamentals of Respiratory Care II	RCP 104	S			2	RCP 103, RCP 121. Coreq-RCP 122
Medical Lectures II	RCP 112	S			3	RCP 111
Clinical II	RCP 122	S			3	RCP 103, RCP 121, RCP 141. Coreq-RCP 104
<b>Semester 3 (Summer)</b>						
Critical Care I Laboratory	RCP 230	SU			1	BIO 112
<b>Semester 4 (Fall)</b>						
Introduction to Psychology or	PSY 101	F/S/SU				ENG 100 or approp place score
Psychology of Interpersonal Relations	PSY 118	F/S/SU			3	Coreq-ENG 100 or approp place score
Medical Lectures III	RCP 113	F			3	BIO 112, RCP 112
Cardiopulmonary Technology	RCP 131	F			2	BIO 112
Clinical III	RCP 221	F			5	BIO 112, RCP 122
Critical Care II	RCP 231	F			3	RCP 230
Elective	---				3	
<b>Semester 5 (Spring)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 103 or CHM 105
Bioethics	IDS 215	S			3	Coreq-ENG 100 or approp place score
Medical Lectures IV	RCP 114	S			3	BIO 112, RCP 113
Clinical IV	RCP 222	S			5	BIO 112, RCP 221
Neonatal and Pediatric Respiratory Care	RCP 243	S			3	BIO 112
Respiratory Care Seminar	RCP 245	S			2	BIO 112. Coreq-RCP 222
<b>Total credits required</b>					<b>75</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Respiratory Care

**The Next Step:**

Graduates are eligible to take credentialing examinations offered by the National Board for Respiratory Care, Inc/ Apply for MA licensure with the MA.D.P.H.

**Program Coordinator:**

Lynda Nesbitt 508.854.4398

[lyndan@qcc.mass.edu](mailto:lyndan@qcc.mass.edu)

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see Admission process in the program introduction.

**Program Footnotes:**

To be eligible to remain in the Program, a student must achieve a grade of "C" or higher in all Respiratory Care (RCP) courses and in PHY 103, BIO 111, BIO 112 and BIO 232. In addition, the student must satisfy all course and Program requirements including regulations on conduct and attendance in order to remain in the Program. For more information, see Program introduction

**CORI/SORI:**

Required of all accepted students prior to beginning clinical experiences.

**Technical Performance Standards:**

Prior to application to this program, please review the Technical Performance Standards requirements on pages 15 - 17.

RESPIRATORY CARE - Associate in Science (Study Option: RS) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1 (Fall)</b>						
Anatomy & Physiology I	BIO 111	F/S/SU			4	BIO 101 or AP Biology. Coreq-ENG 101
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
Fundamentals of Respiratory Care I	RCP 103	F			2	Coreq-RCP 121
Medical Lectures I	RCP 111	F			3	
Clinical I	RCP 121	F			3	Coreq-RCP 103
Pharmacology	RCP 141	F			3	Coreq- RCP 111
<b>Semester 2 (Spring)</b>						
Anatomy & Physiology II	BIO 112	F/S/SU			4	BIO 111
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Physics for Respiratory Care	PHY 103	S			2	MAT 095
Fundamentals of Respiratory Care II	RCP 104	S			2	RCP 103, RCP 121. Coreq-RCP 122
Medical Lectures II	RCP 112	S			3	RCP 111
Clinical II	RCP 122	S			3	RCP 103, RCP 121, RCP 141. Coreq-RCP 104
<b>Semester 3 (Summer)</b>						
Critical Care I Laboratory	RCP 230	SU			1	BIO 112
<b>Semester 4 (Fall)</b>						
Introduction to Psychology or	PSY 101	F/S/SU			3	ENG 100 or approp place score Coreq-ENG 100 or approp place score
Psychology of Interpersonal Relations	PSY 118	F/S/SU				
Medical Lectures III	RCP 113	F			3	BIO 112, RCP 112
Cardiopulmonary Technology	RCP 131	F			2	BIO 112
Clinical III	RCP 221	F			5	BIO 112, RCP 122
Critical Care II	RCP 231	F			3	RCP 230
Elective	---				3	
<b>Semester 5 (Spring)</b>						
Medical Microbiology	BIO 232	F/S/SU			4	BIO 112 or CHM 123 or CHM 105
Bioethics	IDS 215	S			3	Coreq-ENG 100 or approp place score
Medical Lectures IV	RCP 114	S			3	BIO 112, RCP 113
Clinical IV	RCP 222	S			5	BIO 112, RCP 221
Neonatal and Pediatric Respiratory Care	RCP 243	S			3	BIO 112
Respiratory Care Seminar	RCP 245	S			2	BIO 112. Coreq-RCP 222
<b>Total credits required</b>					<b>75</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Respiratory Care

**The Next Step:**

Graduates are eligible to take credentialing examinations offered by the National Board for Respiratory Care, Inc/ Apply for MA licensure with the MA.D.P.H.

**Program Coordinator:**

Lynda Nesbitt 508.854.4398

[lyndan@qcc.mass.edu](mailto:lyndan@qcc.mass.edu)

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)
- Please see admission requirements on program pages and on page 13-14.

Please see Admission process in the program introduction.

**Program Footnotes:**

To be eligible to remain in the Program, a student must achieve a grade of "C" or higher in all Respiratory Care (RCP) courses and in PHY 103, BIO 111, BIO 112 and BIO 232. In addition, the student must satisfy all course and Program requirements including regulations on conduct and attendance in order to remain in the Program. For more information, see Program introduction

**CORI/SORI:**

Required of all accepted students prior to beginning clinical experiences.

**Technical Performance Standards:**

Prior to application to this program, please review the Technical Performance Standards requirements on pages 15 - 17.

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

1. **Course Name & Number :** ECE 204 Fieldwork with School-Age Children

2. **Originator:** Meghan Martin & Linda Witham Poisson

**Date:** February 17, 2011

3. **Division Dean:** Nancy Schoenfeld

**Date:** February 17, 2011

4. **Brief Description of the Proposal:**

Change the prerequisite for ECE 204 from ECE 110 to ECE 102 or PSY 123

5. **Effective Date:** Fall 2011

6. **Division Recommendation:** The Human Services & Science Division recommends approval of the prerequisite change to ECE 204 at the 2/17/11 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Early Childhood Education	Division: Human Services and Science
Current Course Title: Fieldwork with School-Age Children	
Current Course Number: ECE 204	
Current Course Description (as it appears in the college catalog):  <p><b>ECE 204 Fieldwork with School-Age Children</b> <span style="float: right;"><b>3 credits</b></span>                  This course provides on site supervision and consultation to students who work directly with school age children (ages 5-16) in before and after school settings. Students develop individual learning contracts then demonstrate and document competencies necessary for working in quality after school programs. These competencies include skills in behavior management, curriculum development, understanding and support of children and families with special needs, knowledge of community resources and skills in supporting school transitions. In addition to the onsite observations and consultations, students attend group seminars to discuss information and share learning experiences.                  Prerequisites: ENG 100 or higher, ECE 110</p>	
Proposed Description (include all proposed changes):  <p><b>ECE 204 Fieldwork with School-Age Children</b> <span style="float: right;"><b>3 credits</b></span>                  This course provides on site supervision and consultation to students who work directly with school age children (ages 5-16) in before and after school settings. Students develop individual learning contracts then demonstrate and document competencies necessary for working in quality after school programs. These competencies include skills in behavior management, curriculum development, understanding and support of children and families with special needs, knowledge of community resources and skills in supporting school transitions. In addition to the onsite observations and consultations, students attend group seminars to discuss information and share learning experiences.                  Prerequisites: ENG 100 or appropriate placement score, ECE 102 or PSY 123</p>	
Rationale for the change:  ECE 110 will no longer be offered. ECE 102 or PSY 123 as the prerequisite is consistent with the degree program.	
For change in the number of credits, provide a description of the change in course content.	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal.	

# DEGREE PROGRAM OR CERTIFICATE REVISION PROPOSAL

**Program Name:** Early Childhood Education Certificate for Assistant Teachers

1. **Originator:** Meghan Martin and Linda Witham Poisson                      **Date:** 2/17/2011
  
2. **Division Dean:** Nancy Schoenfeld, Human Services and Science   **Date:** 2/17/2011
  
3. **Brief Description of the Proposal:** The proposed name change will clearly identify the target audience for this certificate and in doing so avoid confusion. The recommended course clustering and changes will make it easier for students to transfer into the Early Childhood Education AA Degree program, should they wish to continue.
  
4. **Effective Date:** Fall 2011
  
5. **Division Recommendation:** The Human Services & Science Division recommends approval of the content, name change and course clustering into semesters to the ECE Certificate for Assistant Teachers at the 2/17/11 Division meeting.
  
6. **Academic Affairs Staff:** \_\_\_\_\_    **Date:**  
\_\_\_\_\_
  
- Recommended:** \_\_\_\_\_                      **Not Recommended:** \_\_\_\_\_
- Comments:** \_\_\_\_\_
  
7. **VP/Academic Affairs:** \_\_\_\_\_    **Date:**  
\_\_\_\_\_
  
- Recommended:** \_\_\_\_\_                      **Not Recommended:** \_\_\_\_\_
- Comments:** \_\_\_\_\_
  
8. **Academic Affairs Committee:** \_\_\_\_\_    **Date:** \_\_\_\_\_
  
- Recommended:** \_\_\_\_\_                      **Not Recommended:** \_\_\_\_\_
- Comments:** \_\_\_\_\_
  
9. **VP/Academic Affairs:** \_\_\_\_\_    **Date:** \_\_\_\_\_
  
- Approved:** \_\_\_\_\_                      **Not Approved:** \_\_\_\_\_
- Comments:** \_\_\_\_\_

**Quinsigamond Community College**  
**Degree Program or Certificate Revision Proposal**

Program: Early Childhood Education: Early Childhood Education Certificate for Assistant Teachers
Division: Human Services and Science
Degree type: Certificate
Provide a detailed list of the proposed changes to the program. 1. Change the name of the certificate from Early Childhood Education Certificate for Assistant Teachers to Preschool Assistant Teacher Certificate 2. Arrange the certificate by semesters 3. Require PSY 101 Introduction to Psychology 4. Replace ECE 234 Creative Experiences for Young Children with ECE 131 Planning Programs for Young Children 5. Provide a choice of PSY 123 or ECE 102 6. Remove ENG 100 from the certificate
Attachments: Current program grid Proposed program grid
Submit separate proposals for any new courses or revised courses in the program. None
Provide a rationale for the proposed changes 1. The name change reflects that the focus of this certificate is for preschool assistant teachers only. Stating this in the title avoids confusion. 2. Arranging course work by semester will help students sequence their courses and let them know when to take the course. Not all courses are offered each semester. 3. Requiring PSY 101 Introduction to Psychology provides an introduction to understanding human behavior and is a prerequisite to PSY 123. This change also allows for a smooth transfer into the degree program, should the student elect to continue. 4. Replacing ECE 234 Creative Experiences for Young Children with ECE 131 Planning Programs for Young Children gives the student a more comprehensive look at curriculum. ECE 131 includes creative experiences as well as scheduling, preparations for daily programming, school routines and transitions. 5. Offering PSY 123 or ECE 102 opens more transfer possibilities for the certificated participant and is consistent with the degree program and other certificates. 6. ENG 100 may be removed from the certificate program because all courses in this certificate require ENG 100 as a prerequisite.
Do any of the proposed changes affect another department? Yes: Psychology and English Examples include the deletion or addition of program courses that are offered by other departments. Please confer with the coordinators of affected departments.
Do any of the proposed changes affect articulation agreements? No Consult with the Transfer Coordinator.
For an associate degree program, are there any changes in the number of general education credits that could affect Mass Transfer? No If yes please provide a rationale.
Will any of the following be required: Additional staff ____ Additional space ____ Additional equipment ____ Provide a rationale for any needs indicated and include approximate cost of equipment No

**EARLY CHILDHOOD EDUCATION: Certificate – Early Childhood Education Certificate for Assistant Teachers**

**CURRENT**

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
Introduction to Early Childhood Education	ECE 101				3	ENG 100 or approp place score
Growth & Development of the Young Child	ECE 102				3	ENG 100 or approp place score
Family Issues and Dynamics	ECE 112				3	ENG 100 or approp place score
Fieldwork with Young Children I	ECE 202				3	
Creative Experiences for Young Children	ECE 234				3	ENG 100 or approp place score
Discipline: Guiding Children's Behavior	ECE 255				3	ENG 100 or approp place score
Early Childhood Elective	---				3	
Introduction to English Composition or Higher	ENG 100	F/S/SU			3	ENG 091, ENG 096 or approp place score
<b>Total credits required</b>					<b>24</b>	

**The Certificate:**  
Early Childhood Education Certificate for Assistant Teachers

**The Program:**  
Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**  
Associate in Arts in Early Childhood Education

**Program Coordinator:**  
Charlene Mara  
(508) 854-4447  
[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

**Program Footnotes:**

- All ECE courses must be completed with a grade of “C” or higher to qualify for this certificate. Students may not repeat any ECE course more than twice.

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes. Please see CORI/SORI info in the program introduction.

**EARLY CHILDHOOD EDUCATION: Certificate – Preschool Assistant Teacher Certificate**

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Introduction to Psychology	PSY 101	F/S/SU			3	Coreq-ENG 100 or approp place score
Introduction to Early Childhood Education	ECE 101	F/S/SU			3	ENG 100 or approp place score
Family Issues and Dynamics	ECE 112	F/S/SU			3	ENG 100 or approp place score
<b>Semester 2</b>						
Early Childhood Education Elective	---	F/S/SU			3	ENG 100 or approp place score
Planning Programs for Young Children	ECE 131	S			3	ENG 100 or approp place score
Growth and Development of the Young Child or Human Development I: Conception to Adolescence **	ECE 102	F/S/SU			3	ENG 100 or approp place score
	Or PSY 123	F/S			3	PSY 101
Fieldwork with Young Children I	ECE 202	S			3	ENG 100 or approp place score
Discipline: Guiding Children's Behavior	ECE 255	F/S/SU			3	ENG 100 or approp place score
<b>Total credits required</b>					<b>24</b>	

**Proposed**

**The Certificate:**

Preschool Assistant Teacher Certificate

**The Program:**

Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**

Associate in Arts in Early Childhood Education

**Program Coordinator:**

Charlene Mara  
(508) 854-4447  
[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

**Program Footnotes:**

- All ECE courses must be completed with a grade of “C” or higher to qualify for this certificate. Students may not repeat any ECE course more than twice.

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes. Please see CORI/SORI in the program introduction

\*\*students wishing to transfer should take PSY 123

# PROGRAM OR CERTIFICATE REVISION PROPOSAL

**Program Name:** Early Childhood Education Infant/Toddler Certificate

1. **Originator:** Meghan Martin and Linda Witham Poisson **Date:** 2/17/2011

2. **Division Dean:** Nancy Schoenfeld, Human Services and Science **Date:** 2/17/2011

3. **Brief Description of the Proposal:**

The proposed changes within the Infant /Toddler Certificate will bring this certificate in line with the other Early Childhood Certificates and will provide maximum transfer credit for the student, should she or he continue in the AA Early Childhood Education Degree Program. Clustering coursework into semesters provides a clear pathway to students upon entry into the program as some classes are not offered every semester.

4. **Effective Date:** Fall 2011

5. **Division Recommendation:** The Human Services & Science Division recommends approval of the content changes and course clustering into semesters to the ECE Infant/Toddler Certificate at the 2/17/11 Division meeting.

6. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

7. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Approved: \_\_\_\_\_ Not Approved: \_\_\_\_\_

**Comments:**

**Quinsigamond Community College**  
**Degree Program or Certificate Revision Proposal**

Program: Early Childhood Education Infant/Toddler Certificate
Division: Human Services and Science
Degree type: Certificate
Provide a detailed list of the proposed changes to the program. 1. Cluster the course work into semesters 2. Require PSY 101 Introduction to Psychology 3. Give students the option of taking PSY 123 <b>or</b> ECE 102 4. Change the general elective to an ECE elective 5. Remove ENG 100
Attachments: Current program grid Proposed program grid
Submit separate proposals for any new courses or revised courses in the program.
Provide a rationale for the proposed changes 1. This will help students sequence their courses and let them know when to take the course. Not all courses are offered each semester. 2. Requiring PSY 101 Introduction to Psychology provides an introduction to understanding human behavior. This change also allows for a smooth transition into the degree program, should the student elect to continue. 3. Offering PSY 123 or ECE 102 opens more transfer possibilities for the certificated participant and is consistent with the degree program and other certificates. 4. Replacing a general elective with and Early Childhood Education elective will give the students more specific coursework content in their specific field and help to make them more employable. 5. ENG 100 may be removed from the certificate program because all courses in this certificate require ENG 100 as a prerequisite.
Do any of the proposed changes affect another department? Yes Examples include the deletion or addition of program courses that are offered by other departments. Please confer with the coordinators of affected departments.
Do any of the proposed changes affect articulation agreements? No Consult with the Transfer Coordinator.
For an associate degree program, are there any changes in the number of general education credits that could affect Mass Transfer? If yes please provide a rationale.
Will any of the following be required: Additional staff ____      Additional space ____      Additional equipment ____ Provide a rationale for any needs indicated and include approximate cost of equipment No

EARLY CHILDHOOD EDUCATION: Certificate – Infant/Toddler Certificate

CURRENT

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
Introduction to Early Childhood Education	ECE 101				3	ENG 100 or approp place score
Growth & Development of the Young Child	ECE 102				3	ENG 100 or approp place score
Health, Safety, & Nutrition in Programs for Young Children	ECE 103				3	ENG 100 or approp place score
Family Issues & Dynamics	ECE 112				3	ENG 100 or approp place score
Fieldwork with Infants & Toddlers (Observation and Experience)	ECE 123		S		3	ENG 100 or approp place score
Infant & Toddler Curriculum and Development	ECE 221		F		3	ENG 100 or approp place score
Introduction to English Composition or Higher	ENG 100		F/S/SU		3	ENG 091, ENG 096 or approp place score
Elective	---				3	
<b>Total credits required</b>					<b>24</b>	

**The Certificate:**  
Infant/Toddler

**The Program:**  
Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**

Associate in Arts in Early Childhood Education

**Program Coordinator:**

Charlene Mara  
(508) 854-4447  
[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

**Program Footnotes:**

- All ECE courses must be completed with a grade of “C” or higher to qualify for this certificate.
- Students may not repeat any ECE course more than twice.

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes. Please see CORI/SORI in the program introduction.

**EARLY CHILDHOOD EDUCATION: Certificate – Infant/Toddler Certificate**

**Proposed** (Bold type indicates changes)

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
<b>Introduction to Early Childhood Education</b>	ECE 101	F/S/SU			3	ENG 100 or approp place score
<b>Introduction to Psychology</b>	PSY 101	F/S/SU			3	Coreq-ENG 100 or approp place score
<b>Health, Safety &amp; Nutrition in Programs for Young Children</b>	ECE 103	F/S/SU			3	ENG 100 or approp place score
<b>Infant &amp; Toddler Curriculum and Development</b>	ECE 221	F			3	ENG 100 or approp place score
<b>Semester 2</b>						
<b>Family Issues &amp; Dynamics</b>	ECE 112	F/S/SU			3	ENG 100 or approp place score
<b>Fieldwork with Infants &amp; Toddlers (Observation and Experience)</b>	ECE 123	S				ENG 100 or approp place score
<b>Growth and Development of the Young Child or Human Development I: Conception to Adolescence **</b>	ECE 102 or PSY 123	F/S/SU Or F/S			3	ENG 100 or approp place score PSY 101
<b>Early Childhood Education Elective</b>					3	
<b>Total credits required</b>					24	

**The Certificate:**

Infant/Toddler

**The Program:**

Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**

Associate in Arts in Early Childhood Education

**Program Coordinator:**

Charlene Mara  
(508) 854-4447  
[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

**Program Footnotes:**

- All ECE courses must be completed with a grade of “C” or higher to qualify for this certificate.
- Students may not repeat any ECE course more than twice.

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes. Please see CORI/SORI in the program introduction.

\*\* Students planning to transfer should take PSY 123

# DEGREE PROGRAM OR CERTIFICATE REVISION PROPOSAL

**Program Name:** Early Childhood Education: School Age Certificate

**1 Originator:** Meghan Martin and Linda Witham Poisson **Date:** 2/17/2011

**2 Division Dean:** Nancy Schoenfeld, Human Services and Science **Date:** 2/17/2011

**3 Brief Description of the Proposal:**

The proposed course changes within the School Age Certificate will bring this certificate in line with the other Early Childhood Certificates and will provide maximum transfer credit for the student should she or he continue in the AA Early Childhood Education Degree Program. Clustering coursework into semesters provides a clear pathway to students upon entry into the program as some classes are not offered every semester.

**4 Effective Date:** Fall 2011

**5 Division Recommendation:** The Human Services & Science Division recommends approval of the content changes and course clustering into semesters to the ECE School Age Certificate at the 2/17/11 Division meeting.

**6 Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

**7 VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

**8 Academic Affairs Committee:** \_\_\_\_\_ **Date:**

\_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

**9 VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Approved: \_\_\_\_\_ Not Approved: \_\_\_\_\_

**Comments:**

**Quinsigamond Community College**  
**Degree Program or Certificate Revision Proposal**

Program: Early Childhood Education: School Age Certificate
Division: Human Services and Science
Degree type: School Age Certificate
Provide a detailed list of the proposed changes to the program. <ol style="list-style-type: none"> <li>1. Cluster the course work into semesters</li> <li>2. Require ECE 101 Introduction to Early Childhood Education.</li> <li>3. Require PSY 101 Introduction to Psychology in place of elective</li> <li>4. Replace ECE 110 Development of the School Age Child with PSY 123 or ECE 102.</li> <li>5. Remove ENG 100</li> <li>6. Designate one elective to be an early childhood education elective</li> <li>7. Remove ECE 110 as a prerequisite for ECE 204 and require PSY 123 or ECE 102 as the prerequisite for ECE 204</li> </ol>
Attachments: Current program grid Proposed program grid
Submit separate proposals for any new courses or revised courses in the program. Provide a rationale for the proposed changes <ol style="list-style-type: none"> <li>1. This will help students sequence their courses and let them know when to take the course. Not all courses are offered each semester.</li> <li>2. Requiring ECE 101 will provide a foundation of knowledge to the Early Childhood Education field and make the School Age Certificate consistent with the Associate Degree Program . This will allow for a smoother transfer to the degree program should the student continue his/her education.</li> <li>3. Requiring PSY 101 Introduction to Psychology provides an introduction to understanding human behavior. This change also allows for a smooth transfer into the degree program, should the student elect to continue.</li> <li>4. Offering PSY 123 or ECE 102 opens more transfer possibilities for the certificated participant and is consistent with the degree program and other certificates. ECE 110 should be retired as it will not be used in any of the Early Childhood Education Programs.</li> <li>5. ENG 100 may be removed from the certificate program because all courses in this certificate require ENG as a prerequisite</li> <li>6. Replacing a general elective with and Early Childhood Education elective will give the students more specific coursework content in their specific field and help to make them more employable.</li> <li>7. Remove ECE 110 as a prerequisite for ECE 204 and replace that prerequisite with PSY 123 or ECE 102. Retire ECE 110.</li> </ol>
Do any of the proposed changes affect another department? No Examples include the deletion or addition of program courses that are offered by other departments. Please confer with the coordinators of affected departments.
Do any of the proposed changes affect articulation agreements? No Consult with the Transfer Coordinator.
For an associate degree program, are there any changes in the number of general education credits that could affect Mass Transfer? No

If yes please provide a rationale.

Will any of the following be required:

Additional staff \_\_\_\_ Additional space \_\_\_\_ Additional equipment \_\_\_\_

Provide a rationale for any needs indicated and include approximate cost of equipment

No

**EARLY CHILDHOOD EDUCATION: Certificate – School Age Certificate**

**CURRENT**

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
Development of the School Age Child	ECE 110				3	ENG 100 or approp place score ENG 100 or approp place score ECE 110, ENG 100 or approp place score ENG 100 or approp place score ENG 091, ENG 096 or approp place score
Family Issues and Dynamics	ECE 112				3	
Curriculum for School-Age Child	ECE 113				3	
Fieldwork with School-Age Children	ECE 204				3	
Discipline: Guiding Children's Behavior	ECE 255				3	
Introduction to English Composition or Higher	ENG 100	F/S/SU			3	
Elective	---				3	
Elective	---				3	
<b>Total credits required</b>					<b>24</b>	

**The Certificate:**  
School Age Certificate

**The Program:**  
Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**

Associate in Arts in Early Childhood Education

**Program Coordinator:**

Charlene Mara  
(508) 854-4447  
[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

**Program Footnotes:**

- All ECE courses must be completed with a grade of “C” or higher to qualify for this certificate.
- Students may not repeat any ECE course more than twice.

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes. Please see CORI/SORI in the program introduction.

EARLY CHILDHOOD EDUCATION: Certificate – School Age Certificate

PROPOSED (**Bold type indicates changes**)

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
<b>Introduction to Early Childhood Education</b>	ECE 101	F/S/SU			3	ENG 100 or approp place score
<b>Introduction to Psychology</b>	PSY 101	F/S/SU			3	Coreq ENG 100 or approp place score
<b>Family Issues and Dynamics</b>	ECE 112	F/S/SU			3	ENG 100 or approp place score
<b>Semester 2</b>						
<b>Early Childhood Education Elective</b>					3	
<b>Growth and Development of the Young Child or Human Development I: Conception to Adolescence **</b>	ECE 102 or PSY 123	F/S/SU F/S			3	ENG 100 or approp place score PSY 101
<b>Curriculum Repplpi 'for Uchool Age Children</b>	ECE 113	S			3	ENG 100 or approp place score
<b>Discipline: Guiding Children's Behavior</b>	ECE 255	F/S			3	ENG 100 or approp place score
<b>Fieldwork with School-Age Children</b>	ECE 204	S			3	ENG 100 or approp place score, ECE 102 or PSY 123
<b>Total</b>					<b>24</b>	

**The Certificate:**  
School Age Certificate

**The Program:**  
Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**  
Associate in Arts in Early Childhood Education

**Program Coordinator:**  
Charlene Mara  
(508) 854-4447  
[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

**Program Footnotes:**

- All ECE courses must be completed with a grade of “C” or higher to qualify for this certificate.
- Students may not repeat any ECE course more than twice.

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes. Please see CORI/SORI info in the program introduction.

\*\* students who may wish to transfer should take PSY 123

QUINSIGAMOND COMMUNITY COLLEGE

DEGREE PROGRAM OR CERTIFICATE REVISION PROPOSAL

1. Program Name: AA Degree: Early Childhood Education: Associates in Arts- Transfer Option

2. Originator: Meghan Martin and Linda Witham Poisson Date: 2/17/2011

3. Division Dean: Nancy Schoenfeld, Human Services and Science Date: 2/17/2011

4. Brief Description of the Proposal:

The Early Childhood Education Department recommends the name change from the Transfer Option to the Public School Teaching: Pre-K-Grade 2 Option. This eliminates the impression that only those students enrolled in this program can transfer. The name change will also reflect the actual content and intent of this degree program.

The revised grid reflects updated state requirements and suggestions within the transfer compact. The proposed grid brings the Public School Teaching: Pre-K-Grade 2 Option into compliance and is reflective of the internal review process.

5. Effective Date: Fall 2011

6. Division Recommendation: The Human Services & Science Division recommends approval of the name change and content change to the ECE AA Degree – Transfer Option at the 2/17/11 Division meeting.

7. Academic Affairs Staff: \_\_\_\_\_ Date: \_\_\_\_\_

Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_

Comments:

8. VP/Academic Affairs: \_\_\_\_\_ Date: \_\_\_\_\_

Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_

Comments:

9. Academic Affairs Committee: \_\_\_\_\_ Date: \_\_\_\_\_

Recommended: \_\_\_\_\_ Not Recommended: \_\_\_\_\_

Comments:

10. VP/Academic Affairs: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Not Approved: \_\_\_\_\_

Comments:

Quinsigamond Community College  
**Degree Program or Certificate Revision Proposal**

Program: Early Childhood Education: Early Childhood Education: Transfer Option
Division: Human Services and Science
Degree type: Associates in Arts
Provide a detailed list of the proposed changes to the program. 1. Change in the name of Degree Program from Transfer Option to Pre-K - Grade 2 Option. 2. PSY 123 is required in place of choice PSY 123 or ECE 102. 3. ECE 112 Family Issues and Dynamics is now required and replaces a social science elective. 4. MAT 112, Math for Educators II has been added to semester 3
Attachments: Current program grid Proposed program grid Course descriptions for any new courses or revised courses that are part of the program revision Submit separate proposals for any new courses or revised courses in the program.
Provide a rationale for the proposed changes 1. The name "Transfer Option" is confusing because it implies the Transfer Track is the only transferable degree option. This is not the case. A name change will help to eliminate some confusion over this and the proposed new title is specific to the degree. 2. PSY 123 Human Development: Conception to Adolescence I transfers to four year programs if the focus is public school teaching. 3. Feedback from four year colleges and NAEYC has indicated that students are underprepared to work with families and therefore ECE 112 Family Issues and Dynamics has been added in this degree option. 4. MAT 112, Math for Educators II has been added to semester 3 because the four year state colleges are now recommending additional math courses.
Do any of the proposed changes affect another department? Examples include the deletion or addition of program courses that are offered by other departments. Please confer with the coordinators of affected departments. Yes, the ECE department has conferred with any department that these changes may effect.
Do any of the proposed changes affect articulation agreements? Consult with the Transfer Coordinator. Yes
For an associate degree program, are there any changes in the number of general education credits that could affect Mass Transfer? Yes If yes please provide a rationale. This up dated program is in keeping with these general education requirements.
Will any of the following be required: Additional staff ____ Additional space ____ Additional equipment ____ Provide a rationale for any needs indicated and include approximate cost of equipment. No

EARLY CHILDHOOD EDUCATION - Associate in Arts - Transfer Option (Study Option: ECTR) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Introduction to Early Childhood Education	ECE 101	F/S/SU			3	ENG 100 or approp place score
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
Mathematics for Educators	MAT 111	F/S/SU			3	MAT 099 or approp place score
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
Integrated Science: Earth and Space	SCI 105	F/S/SU			4	ENG 100, MAT 095
<b>Semester 2</b>						
Growth and Development of the Young Child or Human Development I: Conception to Adolescence	ECE 102	F/S/SU			3	ENG 100 or approp place score
	PSY 123	F/S				PSY 101
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Humanities Elective	---				3	
Integrated Science: The Living World	SCI 106	F/S/SU			4	ENG 100, MAT 095
Social Science Elective	---				3	
<b>Semester 3</b>						
Curriculum for Young Children I	ECE 231	F			3	ENG 101, ECE 101, ECE 102 or PSY 123 Coreq-ECE 251, ECE 253
Integrating Theory and Practice I: Guidance of Young Children	ECE 251	F			3	ENG 101, ECE 101, ECE 112*, ECE 102 or PSY 123 Coreq- ECE 231, ECE 253
Supervised Student Participation I	ECE 253	F			4	ENG 101, ECE 101, ECE 112*, ECE 102 or PSY 123 Coreq- ECE 231, ECE 251
Liberal Arts Elective****	---				3	
Social Science Elective	---				3	
<b>Semester 4</b>						
Humanities Elective	---				3	
Social Science Elective	---				3	
Liberal Arts Electives****	---				3	
Children's Literature	ENG 200	F/S/SU			3	ENG 102
<b>Total credits required</b>					<b>60</b>	

**The Degree:**

Associate in Arts

**The Program:**

Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**

- This is a statewide Education Compact approved program  
*Former joint admissions program*
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)
- This program has transfer articulation agreements

**Program Coordinator:**

Charlene Mara 508.854.4447

[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

**Program Footnotes:**

\*\*\*\*Students are advised to consult the requirements of the college to which they plan to transfer and to use student's credits to fulfill the academic major requirements of that institution.

Students wishing to receive DEEC Lead Teacher certification will need to complete ECE232, ECE 252 and ECE 254

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes and is mandatory for all students accepted into the program. Please see CORI/SORI in the program introduction.

It is highly recommended that students take the CLST portion of the Teacher Test (MTEL after completing semester 2 to ensure continuation in the appropriate program.

**Technical Performance Standards:**

Prior to application please review the Technical Performance Standards requirements on pages 15 - 17.

EARLY CHILDHOOD EDUCATION - Associate in Arts – Public School Teaching: Pre-K-Grade 2 Option (Study Option: ECTR) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Introduction to Early Childhood Education	ECE 101	F/S/SU			3	ENG 100 or approp place score
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
Mathematics for Educators	MAT 111	F/S/SU			3	MAT 099 or approp place score
Introduction to Psychology	PSY 101	F/S/SU			3	Coreq ENG 100 or approp place score
Integrated Science: Earth and Space	SCI 105	F/S/SU			4	ENG 100, MAT 095
<b>Semester 2</b>						
Human Development I: Conception to Adolescence	PSY 123	F/S			3	PSY 101
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Humanities Elective	---				3	
Integrated Science: The Living World	SCI 106	F/S/SU			4	ENG 100, MAT 095
Family Issues and Dynamics	ECE 112	F/S/SU			3	ENG 100 or approp place score
<b>Semester 3</b>						
Curriculum for Young Children I	ECE 231	F			3	ENG 101, ECE 101, ECE 102 or PSY 123 Coreq-ECE 251, ECE 253
Integrating Theory and Practice I: Guidance of Young Children	ECE 251	F			3	ENG 101, ECE 101, ECE 112, ECE 102 or PSY 123 Coreq- ECE 231, ECE 253
Supervised Student Participation I	ECE 253	F			4	ENG 101, ECE 101, ECE 112, ECE 102 or PSY 123 Coreq- ECE 231, ECE 251
Mathematics for Educators II	MAT 112	S			3	MAT 111
Social Science Elective	---				3	
<b>Semester 4</b>						
Humanities Elective	---				3	
Social Science Elective	---				3	
Liberal Arts Elective	---				3	
Children's Literature	ENG 200	F/S/SU			3	ENG 102
<b>Total credits required</b>					<b>60</b>	

**The Degree:**

Associate in Arts

**The Program:**

Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**

- This is a statewide Early Childhood Education Compact approved program *Former joint admissions program*
- More information on transfer is available on pages 20-21 or at [www.qcc.mass.edu/transfer](http://www.qcc.mass.edu/transfer)
- This program has transfer articulation agreements

**Program Coordinator:**

Charlene Mara 508.854.4447

[cmara@qcc.mass.edu](mailto:cmara@qcc.mass.edu)

Students wishing to receive DEEC Lead Teacher certification will need to complete ECE232, ECE 252 and ECE 254

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes and is mandatory for all students accepted into the program. Please see CORI/SORI in the program introduction.

It is highly recommended that students take the CLST portion of the Teacher Test (MTEL after completing semester 2 to ensure continuation in the appropriate program.

**Technical Performance Standards:**

Prior to application please review the Technical Performance Standards requirements on pages 15 - 17.

# DEGREE PROGRAM OR CERTIFICATE REVISION PROPOSAL

1. **Program Name:** AA Degree: Early Childhood Education: Career Option
2. **Originator:** Meghan Martin and Linda Witham Poisson                      **Date:** 2/17/2011
3. **Division Dean:** Nancy Schoenfeld, Human Services and Science      **Date:** 2/17/2011
4. **Brief Description of the Proposal:**  
The Early Childhood Education Department recommends a content and name change for Career Option. The proposed name change is Preschool Teaching Option. This will eliminate the misconception that this option is not transferable to a four year program as well as reflect the actual content and intent of this degree program. The content changes bring the program up to date and provide for a smoother transfer process, should the student elect to continue his/her education.
5. **Effective Date:** Fall 2011
6. **Division Recommendation: The Human Services & Science Division recommends approval of the content and name change to the ECE AA Degree – Career option at the 2/17/11 Division meeting.**
7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Recommended:** \_\_\_\_\_      **Not Recommended:** \_\_\_\_\_  
**Comments:** \_\_\_\_\_
8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Recommended:** \_\_\_\_\_      **Not Recommended:** \_\_\_\_\_  
**Comments:** \_\_\_\_\_
9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Recommended:** \_\_\_\_\_      **Not Recommended:** \_\_\_\_\_  
**Comments:** \_\_\_\_\_
10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Approved:** \_\_\_\_\_      **Not Approved:** \_\_\_\_\_  
**Comments:** \_\_\_\_\_

**Quinsigamond Community College**  
**Degree Program or Certificate Revision Proposal**

Program: Early Childhood Education: Career Option
Division: Human Services and Science
Degree type: Associates in Arts
Provide a detailed list of the proposed changes to the program. 1. Change the name of Degree Program from Career Option to Preschool Teaching Option 2. MAT 111, Math for Educators I has been added to the first semester and is required. 3. Children’s Literature ENG 200 will be a designated LA Elective and placed in semester 3 4. In semester 4, if students have elected to take PSY 123 it is strongly recommended that they take ECE 242 Young Children With Special Needs as the ECE elective
Attachments: Current program grid Proposed program grid
Submit separate proposals for any new courses or revised courses in the program.
Provide a rationale for the proposed changes 1. The name “Career Option” is confusing because it implies the that this option is not transferable This is not the case. A name change will help to eliminate some confusion over this and the proposed new title is specific to the degree. 2. MAT 111, Math for Educators I has been added to semester 1 because state four year colleges are requesting students have additional math courses. Leaving the math courses until later in the degree program often results in students needing to take developmental course work very late in their program. Students get discouraged and do not graduate. 3. ENG 200 Children’s Literature will be recommended as a designated LA elective because of widely accepted transferability and content is directly connector to the field of Early Childhood Education. 4. ECE 242 Young Children With Special Needs contains content pertinent to Early Childhood Educators that is not covered in PSY 123.
Do any of the proposed changes affect another department? Examples include the deletion or addition of program courses that are offered by other departments. Please confer with the coordinators of affected departments. Yes, the ECE department has contacted all departments that have been affected by any changes.
Do any of the proposed changes affect articulation agreements? Consult with the Transfer Coordinator. Yes
For an associate degree program, are there any changes in the number of general education credits that could affect Mass Transfer? Yes If yes please provide a rationale. This up dated program is in keeping with these general education requirements and is now more in line with the Mass Transfer requirements.
Will any of the following be required: Additional staff ____ Additional space ____ Additional equipment ____ Provide a rationale for any needs indicated and include approximate cost of equipment No

EARLY CHILDHOOD EDUCATION - Associate in Arts - Career Option (Study Option: EC) - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Introduction to Early Childhood Education	ECE 101	F/S/SU			3	ENG 100 or approp place score
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or approp place score
Mathematics Elective*	---				3	
Science Elective**	---				3/4	
<b>Semester 2</b>						
Growth & Development of the Young Child or Human Development I: Conception to Adolescence	ECE 102	F/S/SU			3	ENG 100 or approp place score
	PSY 123	F/S				PSY 101
Family Issues & Dynamics	ECE 112				3	ENG 100 or approp place score
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Social Science Elective	---				3	
Science Elective**	---				3/4	
<b>Semester 3</b>						
Curriculum for Young Children I	ECE 231	F			3	ENG 101, ECE 101, ECE 102 or PSY 123 Coreq-ECE 251, ECE 253
Integrating Theory and Practice I: Guidance of Young Children	ECE 251	F			3	ENG 101, ECE 101, ECE 112, ECE 102 or PSY 123 Coreq-ECE 231, ECE 253
Supervised Student Participation I	ECE 253	F			4	ENG 101, ECE 101, ECE 112, ECE 102 or PSY 123 Coreq-ECE 231, ECE 251
History Elective	---				3	
Liberal Arts Elective	---				3	
<b>Semester 4</b>						
Curriculum for Young Children II	ECE 232	S			3	ECE 231, ECE 251, ECE 253, ENG 101 Coreq-ECE 252, ECE 254
Integrating Theory and Practice II: Observing, Recording and Authentic Assessment	ECE 252	S			3	ECE 251 Coreq-ECE 232, ECE 254
Supervised Student Participation II	ECE 254	S			4	ECE 231, ECE 251, ECE 253 Coreq- ECE 232, ECE 252
ECE Elective	---				3	
Liberal Arts Electives	---				6	
<b>Total credits required</b>					<b>65-67</b>	

**The Degree:**  
Associate in Arts

**The Program:**  
Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**  
Prepares student to enter into responsible positions in the field of Early Education and Care. Employment in the field or transfer to a four-year program.

**Program Coordinator:**  
Charlene Mara 508.854.4447  
[cmara@gcc.mass.edu](mailto:cmara@gcc.mass.edu)

**Program Footnotes:**

- Lead Teacher Qualified (DEEC) Department of Early Education and Care.
- All ECE courses must be completed with a grade of "C" or higher to qualify for this degree. Students may not repeat any ECE course more than twice

\*MAT 121 or MAT 111 is recommended  
\*\*Students transferring to a four-year college should take a Laboratory Science for 4 credits.

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes and is mandatory for all students accepted into the program. Please see CORI/SORI in the program introduction.

**Technical Performance Standards:**  
Prior to application please review the Technical Performance Standards requirements on pages 15-17.

EARLY CHILDHOOD EDUCATION - Associate in Arts – Preschool Teaching Option (Study Option: EC) - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
Introduction to Early Childhood Education	ECE 101	F/S/SU			3	ENG 100 or approp place score
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100 or approp place score
Introduction to Psychology	PSY 101	F/S/SU			3	Coreq ENG 100 or approp place score
Mathematics for Educators I	MAT 111	F/S/SU			3	MAT 099 or approp place score
Science Elective*	---				3-4	
<b>Semester 2</b>						
Growth & Development of the Young Child or Human Development I: Conception to Adolescence	ECE 102	F/S/SU			3	ENG 100 or approp place score
	PSY 123	F/S				PSY 101
Family Issues & Dynamics	ECE 112				3	ENG 100 or approp place score
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Social Science Elective	---				3	
Science Elective*	---				3-4	
<b>Semester 3</b>						
Curriculum for Young Children I	ECE 231	F			3	ENG 101, ECE 101, ECE 102 or PSY 123 Coreq-ECE 251, ECE 253
Integrating Theory and Practice I: Guidance of Young Children	ECE 251	F			3	ENG 101, ECE 101, ECE 112, ECE 102 or PSY 123 Coreq-ECE 231, ECE 253
Supervised Student Participation I	ECE 253	F			4	ENG 101, ECE 101, ECE 112, ECE 102 or PSY 123 Coreq-ECE 231, ECE 251
History Elective	---				3	
Children's Literature	ENG 200	F/S/SU			3	ENG 102
<b>Semester 4</b>						
Curriculum for Young Children II	ECE 232	S			3	ECE 231, ECE 251, ECE 253, ENG 101 Coreq-ECE 252, ECE 254
Integrating Theory and Practice II: Observing, Recording and Authentic Assessment	ECE 252	S			3	ECE 251 Coreq-ECE 232, ECE 254
Supervised Student Participation II	ECE 254	S			4	ECE 231, ECE 251, ECE 253 Coreq- ECE 232, ECE 252
ECE Elective **	---				3	
Liberal Arts Electives	---				6	
<b>Total credits required</b>					<b>65-67</b>	

**The Degree:**  
Associate in Arts

**The Program:**  
Early Childhood Education

**Admission Requirements:**

- High School Diploma or GED (refer to page 9)

**The Next Step:**  
Prepares student to enter into responsible positions in the field of Early Education and Care. Employment in the field or transfer to a four-year program.

**Program Coordinator:**  
Charlene Mara 508.854.4447  
[cmara@gcc.mass.edu](mailto:cmara@gcc.mass.edu)

**Program Footnotes:**

- Lead Teacher Qualified (DEEC) Department of Early Education and Care.
- All ECE courses must be completed with a grade of "C" or higher to qualify for this degree. Students may not repeat any ECE course more than twice

\*Students transferring to a four-year college should take a Laboratory Science for 4 credits.  
\*\*ECE 242 recommended for students who have taken PSY 123

**Note:** A CORI/SORI/DSS report may be required of all students taking ECE classes and is mandatory for all students accepted into the program. Please see CORI/SORI in the program introduction.

**Technical Performance Standards:**  
Prior to application please review the Technical Performance Standards requirements on pages 15-17.

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

Fire Science – Associate in Science

- 1. **Course Name & Number:** FSC 101 - Principles of Emergency Services
- 2. **Originator:** Pat Schmohl, Fire Science Coordinator **Date:** 02/17/2011
- 3. **Division Dean:** Nancy Schoenfeld, Human Services and Sciences **Date:** 02/17/2011

4. **Brief Description of the Proposal:**

The Fire Science Department recommends that ENG 096 be added as a prerequisite for FSC 101. Students need to write coherent paragraphs containing a topic sentence, idea development, and a strong conclusion in order to be successful in this course. The students also need to have a basic knowledge of supporting their topic to be successful in this course.

5. **Effective Date:** Fall 2011

6. **Division Recommendation: The Human Services & Science Division recommends approval of the prerequisite change to FSC 101 at the 2/17/11 Division meeting.**

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_  
**Comments:**

## Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Fire Science	Division: Human Services and Sciences
Current Course Title: Principles of Emergency Services	
Current Course Number: FSC 101	
Current Course Description (as it appears in the college catalog):  <p><b>FSC 101 Principles of Emergency Services - 3 credits</b></p> <p>This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives. This course follows the curriculum established by the Fire and Emergency Services Higher Education (FESHE) network. F/S</p>	
Proposed Description (include all proposed changes):  <p><b>FSC 101 Principles of Emergency Services - 3 credits</b></p> <p>This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives. This course follows the curriculum established by the Fire and Emergency Services Higher Education (FESHE) network.</p> <p><b>Prerequisite:</b> ENG 096 or appropriate placement score.</p>	
Rationale for the change:  <p>The Fire Science Department recommends that ENG 096 be added as a prerequisite for FSC 101. Students need to write coherent paragraphs containing a topic sentence, idea development, and a strong conclusion in order to be successful in this course. The students also need to have a basic knowledge of supporting their topic to be successful in this course.</p>	
For change in the number of credits, provide a description of the change in course content.  <p>No change in course credits</p>	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal.  <p>Program Revision Proposal Submitted with these changes</p>	

## FIRE SCIENCE - Associate in Science - Current

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
Math Elective* (MAT 122 recommended)	MAT ---				3	MAT 099
Principles of Emergency Services	FSC 101	F/S/SU			3	
Basic Emergency Medical Technology** (or take two Fire Science Electives)	EMT 101	F/S/SU			6-7	
<b>Semester 2</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Intro Microcomputer Applications (or Advanced Microcomputer Applications)	CIS 111 (CIS 112)	F/S/SU			3	
Fire Behavior and Combustion	FSC 104	F/S/SU			3	FSC 101, ENG 100 or appropriate placement score
Building Construction for Fire Protection	FSC 121	F/S/SU			3	FSC 101, ENG 100 or appropriate placement score
Speech Communication Skills	SPH 101	F/S/SU			3	ENG 101
<b>Semester 3</b>						
Lab Science Elective***	---				4	
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or appropriate placement score
Principles of Fire and Emergency Services Safety and Survival	FSC 201	F/S/SU			3	FSC 104, FSC 121
Fire Prevention	FSC 203	F/S/SU			3	FSC 104, FSC 121, ENG 101
Fire Science Elective	---				3	
<b>Semester 4</b>						
Lab Science Elective***	---				4	
Introduction to Sociology (or Social Problems & Social Changes)	SOC 101 (SOC 111)	F/S/SU			3	ENG 100 or appropriate placement score
Fire Systems Protection	FSC 223	F/S/SU			3	FSC 203
Introduction to Fire and Emergency Services Administration	FSC 263				3	FSC 203, SPH 101
Fire Science Elective	---				3	
<b>Total credits required</b>					<b>62-63</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Fire Science

**The Next Step:**  
Enter the workforce or transfer to a four-year program.

**Program Coordinator:**  
Pat Schmohl 508-854-2741  
[pschmohl@qcc.mass.edu](mailto:pschmohl@qcc.mass.edu)

**Program Footnotes:**  
\* MAT 100, MAT 121, MAT 122, or higher

\*\* Credit for EMT 101 – Basic EMT may be earned through credentialing for students with current EMT Basic, EMT I or EMT Paramedic certification. Please contact Experience-Based Education at (508)854-4380 for more information. Current credentialing fees apply.

\*\*\* Recommend taking BIO 101 and BIO 111 as lab science electives if you are considering to become a paramedic. See Paramedic Technology Program for Admission requirements and program details.

**Technical Performance Standards:**  
Prior to application to this program, please review the Technical Performance Standards requirements on pages 165 - 167.

## FIRE SCIENCE - Associate in Science - Proposed

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
<b>Semester 1</b>						
English Composition & Literature I	ENG 101	F/S/SU			3	ENG 100
Math Elective* (MAT 122 recommended)	MAT ---				3	MAT 099
Principles of Emergency Services	FSC 101	F/S/SU			3	ENG 096 or appropriate placement score
Basic Emergency Medical Technology** (or take two Fire Science Electives)	EMT 101	F/S/SU			6-7	
<b>Semester 2</b>						
English Composition & Literature II	ENG 102	F/S/SU			3	ENG 101
Intro Microcomputer Applications (or Advanced Microcomputer Applications)	CIS 111 (CIS 112)	F/S/SU			3	
Fire Behavior and Combustion	FSC 104	F/S/SU			3	FSC 101, ENG 100 or appropriate placement score
Building Construction for Fire Protection	FSC 121	F/S/SU			3	FSC 101, ENG 100 or appropriate placement score
Speech Communication Skills	SPH 101	F/S/SU			3	ENG 101
<b>Semester 3</b>						
Lab Science Elective***	---				4	
Introduction to Psychology	PSY 101	F/S/SU			3	ENG 100 or appropriate placement score
Principles of Fire and Emergency Services Safety and Survival	FSC 201	F/S/SU			3	FSC 104, FSC 121
Fire Prevention	FSC 203	F/S/SU			3	FSC 104, FSC 121, ENG 101
Fire Science Elective	---				3	
<b>Semester 4</b>						
Lab Science Elective***	---				4	
Introduction to Sociology (or Social Problems & Social Changes)	SOC 101 (SOC 111)	F/S/SU			3	ENG 100 or appropriate placement score
Fire Systems Protection	FSC 223	F/S/SU			3	FSC 203
Introduction to Fire and Emergency Services Administration	FSC 263				3	FSC 203, SPH 101
Fire Science Elective	---				3	
<b>Total credits required</b>					<b>62-63</b>	

**The Degree:**  
Associate in Science

**The Program:**  
Fire Science

**The Next Step:**  
Enter the workforce or transfer to a four-year program.

**Program Coordinator:**  
Pat Schmohl 508-854-2741  
[pschmohl@qcc.mass.edu](mailto:pschmohl@qcc.mass.edu)

**Program Footnotes:**  
\* MAT 100, MAT 121, MAT 122, or higher

\*\* Credit for EMT 101 – Basic EMT may be earned through credentialing for students with current EMT Basic, EMT I or EMT Paramedic certification. Please contact Experience-Based Education at (508)854-4380 for more information. Current credentialing fees apply.

\*\*\* Recommend taking BIO 101 and BIO 111 as lab science electives if you are considering to become a paramedic. See Paramedic Technology Program for Admission requirements and program details.

**Technical Performance Standards:**  
Prior to application to this program, please review the Technical Performance Standards requirements on pages 165 - 167.

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

Fire Science – Associate in Science

- 1. **Course Name & Number:** FSC 131 - Fire Fighting Tactics and Strategy
- 2. **Originator:** Pat Schmohl, Fire Science Coordinator **Date:** 02/17/2011
- 3. **Division Dean:** Nancy Schoenfeld, Human Services and Sciences **Date:** 02/17/2011

4. **Brief Description of the Proposal:**

The proposed changes to the course description will allow the students to see that this course follows the Fire and Emergency Services Higher Education (FESHE) curriculum. The change to the pre-requisites will prepare the students to take this course.

- 5. **Effective Date:** Fall 2011
- 6. **Division Recommendation:** The Human Services & Science Division recommends approval of the description and prerequisite change to FSC 131 at the 2/17/11 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_

**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_

**Comments:**

## Course Revision Proposal

Type of Revision: <input checked="" type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Fire Science	Division: Human Services and Sciences
Current Course Title: Fire Fighting Tactics and Strategy	
Current Course Number: FSC 131	
Current Course Description (as it appears in the college catalog):  <b>FSC 131 Fire Fighting Tactics and Strategy - 3 credits</b> This course reviews fire chemistry, equipment, and personnel. Students learn basic fire fighting tactics and strategies, methods of attack, and preplanning to prevent fire problems. Fire situations are presented for analysis and study of accepted fire fighting practices. F/S	
Proposed Description (include all proposed changes):  <b>FSC 131 Fire Fighting Tactics and Strategy - 3 credits</b> This course reviews fire chemistry, equipment, and personnel. Students learn basic fire fighting tactics and strategies, methods of attack, and preplanning to prevent fire problems. Fire situations are presented for analysis and study of accepted fire fighting practices. This course follows the curriculum established by the Fire and Emergency Services Higher Education (FESHE) network. <b>Prerequisite:</b> FSC 104, FSC 121. F/S	
Rationale for the change:  The proposed changes to the course description will allow the students to see that this course follows the Fire and Emergency Services Higher Education (FESHE) curriculum. The change to the pre-requisites will prepare the students to take this course.	
For change in the number of credits, provide a description of the change in course content.  No change in course credits	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal.  Program Revision Proposal Submitted with these changes	

QUINSIGAMOND COMMUNITY COLLEGE

**COURSE REVISION PROPOSAL**

**Fire Science – Associate in Science**

- 1. **Course Name & Number:** FSC 151 - Occupational Safety and Health for Emergency Services
- 2. **Originator:** Pat Schmohl, Fire Science Coordinator **Date:** 02/17/2011
- 3. **Division Dean:** Nancy Schoenfeld, Human Services and Sciences **Date:** 02/17/2011

4. **Brief Description of the Proposal:**

The Fire Science Department recommends that ENG 096 be added as a prerequisite for FSC 151. Students need to write coherent paragraphs containing a topic sentence, idea development, and a strong conclusion in order to be successful in this course. The students also need to have a basic knowledge of supporting their topic to be successful in this course.

- 5. **Effective Date:** Fall 2011
- 6. **Division Recommendation:** The Human Services & Science Division recommends approval of the prerequisite change to FSC 151 at the 2/17/11 Division meeting.

7. **Academic Affairs Staff:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

8. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

9. **Academic Affairs Committee:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommended:** \_\_\_\_\_ **Not Recommended:** \_\_\_\_\_  
**Comments:**

10. **VP/Academic Affairs:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Approved:** \_\_\_\_\_ **Not Approved:** \_\_\_\_\_  
**Comments:**

Quinsigamond Community College

Course Revision Proposal

Type of Revision: <input type="checkbox"/> Description <input checked="" type="checkbox"/> Prerequisite <input type="checkbox"/> Corequisite <input type="checkbox"/> Number <input type="checkbox"/> Title <input type="checkbox"/> #credits <input type="checkbox"/> Elective Type <input type="checkbox"/> other (explain)	
Course Discipline or Department: Fire Science	Division: Human Services and Sciences
Current Course Title: Occupational Safety and Health for Emergency Services	
Current Course Number: FSC 151	
Current Course Description (as it appears in the college catalog): <p><b>FSC 151 Occupational Safety and Health for Emergency Services – 3 credits</b></p> <p>This course introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk and hazard evaluation and control procedures for emergency service organizations. This course follows the curriculum established by the <i>Fire and Emergency Services Higher Education (FESHE)</i> network.</p> <p><b>Prerequisite:</b> None.</p>	
Proposed Description (include all proposed changes): <p><b>FSC 151 Occupational Safety and Health for Emergency Services – 3 credits</b></p> <p>This course introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk and hazard evaluation and control procedures for emergency service organizations. This course follows the curriculum established by the <i>Fire and Emergency Services Higher Education (FESHE)</i> network.</p> <p><b>Prerequisite:</b> ENG 096 or appropriate placement score.</p>	
Rationale for the change: <p>The Fire Science Department recommends that ENG 096 be added as a prerequisite for FSC 151. Students need to write coherent paragraphs containing a topic sentence, idea development, and a strong conclusion in order to be successful in this course. The students also need to have a basic knowledge of supporting their topic to be successful in this course.</p>	
For change in the number of credits, provide a description of the change in course content. <p>No change in course credits</p>	
Does the proposed change affect another department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain and please confer with the coordinator of the affected department.	
If this change affects a program grid, please submit a Program Revision Proposal. <p>Program Revision Proposal Submitted with these changes</p>	