

REAL Curriculum Program Alignment Proposal

Department or School: Enter dept/school name: Economics

Date: 1/8/2020

Degree type: BS BA BBA BSN BM BFA BSW Minor Certificate

Program: Bachelor of Science in Economics

REAL Area Program Designation Sought (check all that apply): R E A L

Dept/School Contact: Thomas Duncan (Curriculum Chair) tduncan13@radford.edu

Enter courses required for BS or BA requirement. Each degree program

BS/BA Requirements: needs to be submitted separately.

- Any degree program that fulfills a REAL area must include at least 9 unique credit hours for each area covered. At least 3 of these 9 credit hours must be at the 300 level or above
- A single major degree program may fulfill no more than three REAL areas for any one student, unless all four REAL areas are fulfilled by accreditation or licensure requirements.
- A single minor or certificate degree program may fulfill no more than two REAL areas.
- Degree program may cover up to two REAL areas using a single prefix.
- All courses documenting the coverage of a REAL area must fulfill all learning outcomes and be designated in that area.
- All courses that document fulfillment of a REAL area within a degree program of study are NOT required to be taught by the department/school. However, departments/schools are expected to formally communicate with other departments about reliance on and inclusion of courses in their degree program plans of study. Indicate this through signature of chair or director of the partnering department or school in the areas below.
- Departments or schools that seek to fulfill REAL areas must acknowledge assessment requirements for those areas. Assessment of degree seeking students is required to be conducted yearly by the department or school offering the degree program.
- If departments or schools want to use a menu of courses to fulfill a particular area, please duplicate the sections below for each REAL area and include information for each course included in the menu of options.

By signing, the department/school acknowledges the above conditions and considerations:

Dept/School Signature	Date:
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Official Program Description:

Please paste the entire official program description from the Radford University catalog in the space within this box. Find those here: <https://catalog.radford.edu/>

Bachelor of Science in Economics

General Education

The Bachelor of Science in Economics degree program will satisfy the R and A areas of the university's general education. Students must satisfy the E and L areas with other programs of study in order to graduate from Radford University.

Required Courses

ITEC 281 - Data Management and Analysis with Spreadsheets
MATH 126 - Business Calculus OR MATH 151 - Calculus and Analytic Geometry I OR MATH 169 – Calculus with Integrated Precalculus II OR MATH 171 – Calculus I (R Area)
STAT 200 - Introduction to Statistics (R Area)

Economics Core (Must Take)

ECON 230 – History of Innovation and Economic Growth
ECON 205 - Principles of Macroeconomics (A Area)
ECON 206 - Principles of Microeconomics (A Area)
ECON 305 - Intermediate Macroeconomic Theory (A Area)
ECON 306 - Intermediate Microeconomic Theory
ECON 321 – Econometrics (R Area)
ECON 330 - Money and Banking
ECON 495 - Current Topics in Economics

B.S. Requirements

The Bachelor of Science degree requires six to eight semester hours of courses outside of the College of Business and Economics. These courses must not be used to satisfy Core Requirements and must not be listed in the “Required Courses (9-13)” category and must come from Mathematics, Statistics, Philosophy, History, Political Science, Information Technology, Physics, Foreign Language, Sociology, Social Work, Psychology, or Geospatial Science

Additional Degree Requirements (15 credits)

Applied Microeconomics (3 Credits)

Learning objective: Students will be able to analyze how changes in economic variables affect decisions of firms, households, and equilibrium in markets.

ECON 209 - Public Finance
ECON 271 - Rural Economics
ECON 272 - Natural Resource Economics
ECON 301 - The Economics of Entrepreneurship
ECON 307 - Mathematical Economics

ECON 350 - Investment Economics
 ECON 375 - Environmental Economics
 ECON 442 - International Trade Theory and Policy
 ECON 455 - Principles of Managerial Economics
 ECON 461 - Industrial Organization
 ECON 480 - Labor Economics

Applied Macroeconomics (3 Credits)

Learning objective: Students will be able to analyze how changes in macroeconomic variables (e.g., inflation, growth, employment) affect the national economy.

ECON 307 - Mathematical Economics
 ECON 309 - Comparative Economic Systems
 ECON 311 - Economic Development
 ECON 340 - Global Economy and Business
 ECON 350 - Investment Economics
 ECON 443 - International Monetary Theory and Policy

International Economics (3 Credits)

Learning objective: Students will be able to analyze how changes in economic variables throughout the world affect the national economy.

ECON 309 - Comparative Economic Systems
 ECON 311 - Economic Development
 ECON 340 - Global Economy and Business
 ECON 442 - International Trade Theory and Policy
 ECON 443 - International Monetary Theory and Policy

Students enrolled in the B.S. degree program will take an additional six (6) credit hours in Economics which may be satisfied by any ECON prefixed elective course unless otherwise specified.

Graduation Requirements:

Students must have an overall grade point average GPA of at least 2.0 in all courses taken at Radford to graduate with the B.S. degree. In addition, students must have at least a 2.25 major GPA. For the purpose of computing the major GPA, the major is defined as all major-required courses. In addition, at least 50 percent of the business courses required for the B.S. degree must be taken at Radford University.

SCIENTIFIC AND QUANTITATIVE REASONING

<p>R Area: Course Prefix: STAT Course Number: 200 Course Title: Introduction to Statistics Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p>
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Projected enrollment need per academic year: 30	Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:
R Area: Course Prefix: MATH Course Number: 126/151/169/171 Course Title: Business Calculus/ Calculus Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected enrollment need per academic year: 30	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:
R Area: Course Prefix: Econ Course Number: 321 Course Title: Econometrics Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected enrollment need per academic year: 30	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:
R Designated Course Required within the Program of Study Approved for Inclusion in the General Education Coursework: Stat 200 and MATH 126: Business Calculus OR MATH 169: Calculus I with Integrated Precalculus II OR MATH 171: Calculus and Analytic Geometry I (formerly MATH 151)	

R Area: Learning Goal: To apply scientific and quantitative reasoning to questions about the natural world, mathematics, or related areas. Describe assessment plan: The university REAL council is establishing a university-wide assessment measure.	
Learning Outcome 1: Students apply scientific and quantitative information to test problems and draw conclusions.	Description of learning outcome assessment plan: Assessment will take place through new university approved universal assessment measure.
Learning Outcome 2: Students evaluate the quality of data, methods, or inferences used to generate scientific and quantitative knowledge.	Description of learning outcome assessment plan: Assessment will take place through new university approved universal assessment measure.

CULTURAL OR BEHAVIORAL ANALYSIS

A Area: Course Prefix: ECON Course Number: 105	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.
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<p>Course Title: Principles of Macroeconomics Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Projected enrollment need per academic year: 50</p>	<p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input checked="" type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input checked="" type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:</p>
<p>A Area: Course Prefix: ECON Course Number: 106 Course Title: Principles of Microeconomics Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Projected enrollment need per academic year: 50</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input checked="" type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input checked="" type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:</p>
<p>A Area: Course Prefix: ECON Course Number: 305 Course Title: Intermediate Macroeconomics Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected enrollment need per academic year: 50</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:</p>
<p>A Designated Course Required within the Program of Study Approved for Inclusion in the General Education Coursework: ECON 105, ECON 106</p>	

<p>A Area: Learning Goal: To examine the context and interactions of culture(s) and/or behavior(s). Describe assessment plan: The university REAL council is establishing a university-wide assessment measure.</p>	
<p>Learning Outcome 1: Students describe behaviors, beliefs, cultures, social institutions, and/or environments.</p>	<p>Description of learning outcome assessment plan: Assessment will take place through new university approved universal assessment measure.</p>
<p>Learning Outcome 2: Students analyze the interactions of behaviors, beliefs, cultures, social institutions, and/or environments.</p>	<p>Description of learning outcome assessment plan: Assessment will take place through new university approved universal assessment measure.</p>



Are existing material resources adequate to support this program alignment proposal?
 Yes No If not, what additional material resources would be needed?

Are existing space resources adequate to support this program alignment proposal?

Yes No If not, what additional space resources would be needed?

Are existing human resources adequate to support this program alignment proposal?

Yes No If not, what additional human resources would be needed?

Department Curriculum Committee
Recommendation:

Signature: Thomas R Duncan

Date: 3/27/2020

Chair/Dean on Behalf of Dept/School:

Signature: [Signature]

Date: 7/2/2020

College Curriculum Committee
Approval:

Signature: [Signature]

Date: 7/2/2020

Dean/AVP Approval:

Signature: Jayendra Bhaskar

Date: 7/3/2020

REAL Council Recommendation:

Signature: _____

Date: _____

Faculty Senate Curriculum Committee
Recommendation:

Signature: _____

Date: _____

Faculty Senate Approval:

Signature: _____

Date: _____

Provost Approval:

Signature: _____

Date: _____