

ECONOMICS MAJOR

Program Curriculum

Code	Title	Credits
Degree Core Requirements		
Courses in Degree Core Requirements must be completed with a grade of C- or better.		
ECON 2005 & ECON 2006	Principles of Economics and Principles of Economics (C-)	6
ECON 3104 & ECON 3204	Microeconomic Theory and Macroeconomic Theory (C-)	6
ECON 3254	Applied Econometrics (C-)	3
MATH 1226	Calculus of a Single Variable (C-)	4
STAT 3005	Statistical Methods (C-)	3
Subtotal		22
Major Requirements		
ECON 1004	First Year Experience Seminar	1
Subtotal		1
Major Requirements Electives		
Select five of the following		
ECON 3004	Contemporary Economic Issues	
ECON 3024	Economic Justice	
ECON 3034	Economics of Poverty and Discrimination	
ECON 3054	Introduction to Forecasting	
ECON 3134	Choice and Behavior	
ECON 3144	Economics of Regulation	
ECON 3154	Managerial Economics	
ECON 3214	Money and Banking	
ECON 3314	Middle East Economics	
ECON 3884	Topics in Philosophy, Politics, and Economics	
ECON 3914	European Economics	
ECON 4014	Environmental Economics	
ECON 4044	Public Economics	
ECON 4054	Public Finance	
ECON 4074	Labor Economics	
ECON 4084	Industry Structure	
ECON 4124	Growth and Development	
ECON 4135	International Economics	
ECON 4136	International Economics	
ECON 4144	Economics of China	
ECON 4214	Economics of Health Care	
ECON 4304	Introduction to Econometric Methods	
ECON 4314	Big Data Economics	
ECON 4404	Economics of Organizations	
ECON 4424	The Theory of Games and Economic Behavior	
ECON 4434	Experimental Economics	
ECON 4454	Neuroeconomics	
ECON 4514	Applied Analysis of Banking and Financial Markets	
ECON 4614	R Programming in Economics	
ECON 4714	Economics and Financing of State and Local Governments	

ECON 4864	Developing Behavioral Science Policies and Interventions	
ECON 4894	Law and Economics	
ECON 4994	Undergraduate Research	
Subtotal		15
Free Electives		
Select number of Free Electives sufficient to achieve 120 total credit hours		
Pathways to General Education		
<i>Pathways Concept 1 - Discourse</i>		
ENGL 1105 & ENGL 1106	First-Year Writing and First-Year Writing (1F)	6
Select three credits in Pathway 1a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G01A)		3
<i>Pathways Concept 2 - Critical Thinking in the Humanities</i>		
Select six credits in Pathway 2 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G02)		6
<i>Pathways Concept 3 - Reasoning in the Social Sciences</i>		
Select six credits in Pathway 3 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G03) ¹		6
<i>Pathways Concept 4 - Reasoning in the Natural Sciences</i>		
Select six credits in Pathway 4 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G04) ²		6
<i>Pathways Concept 5 - Quantitative and Computational Thinking</i>		10
MATH 1225	Calculus of a Single Variable (preferred; 5F) ³	
Select three credits in Pathway 5f (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G05F) ³		
Select three credits in Pathway 5a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G05A) ⁴		
<i>Pathways Concept 6 - Critique and Practice in Design and the Arts</i>		
Select three credits in Pathway 6d (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06D)		3
Select three credits in Pathway 6a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06A)		3
<i>Pathways Concept 7 - Critical Analysis of Identity and Equity in the United States</i>		
Select three credits in Pathway 7 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G07)		3
Subtotal		46
Total Credits		120

¹ ECON 2005 Principles of Economics and ECON 2006 Principles of Economics cannot be used to satisfy this requirement since they are included in the Economics Common Degree Core Requirement.

² To fulfill the Pathways Concept 4: Reasoning in the the Natural Sciences requirements, only approved BIOL, CHEM, GEOS, ISC, NEUR, PHYS, and PSYC Pathways Concept 4 courses may be selected.

³ MATH 1225 Calculus of a Single Variable and MATH 1226 Calculus of a Single Variable must be completed with a minimum grade of C- in each to satisfy the pre-req for ECON 3104 Microeconomic Theory. MATH 1025 Elementary Calculus and MATH 1026 Elementary Calculus must be completed with a minimum grade of B- in each to satisfy the pre-req for ECON 3104 Microeconomic Theory. MATH 1226 Calculus of a Single Variable cannot be used to satisfy this requirement since it is included in the Economics Common Degree Requirements. MATH 1026 Elementary Calculus cannot be used to satisfy this

requirement when used as a substitute for MATH 1226 Calculus of a Single Variable.

- ⁴ STAT 3005 Statistical Methods cannot be used to satisfy this requirement since it is included in the Economics Common Degree Core Requirement. STAT 3604 Statistics for Social Science, STAT 3615 Biological Statistics, STAT 4706 Probability and Statistics for Engineers, and BIT 2406 Introduction to Business Statistics, Analytics, and Modeling cannot be used to satisfy this requirement if they are used as a substitute for STAT 3005 Statistical Methods.

Progress Toward Degree (Policy 91)

In order to remain in the Economics Major, students must meet the following requirements:

1. Upon having attempted 72 semester hours (including transfer, advanced placement, advanced standing, credit by examination, course withdrawal), students must have completed
 - ECON 2005 Principles of Economics (Micro) with a C- or better
 - ECON 2006 Principles of Economics (Macro) with a C- or better
 - ECON 3104 Microeconomic Theory with a C- or better
2. Upon having attempted 96 semester hours, students must have an In-Major grade point average of 2.000 or above and must have completed the above courses plus:
 - ECON 3204 Macroeconomic Theory with a C- or better
 - STAT 3005 Statistical Methods all with a C- or better
3. Students may not repeat any ECON course more than once, including late course withdrawals.
4. Students must register for at least three 3 credit ECON course during each academic year unless they have completed all ECON courses required for graduation.
5. Students may not repeat more than 3 ECON courses in the major.

A student who does not make satisfactory progress toward degree will be required to change their major out of Economics.

Graduation Requirements

Overall and In-Major GPA

Students must have a 2.0 overall GPA and 2.0 in-major GPA to graduate. Only ECON courses count toward the in-major GPA.

Free Electives

A free elective is any course a student takes toward the completion of the required minimum of 120 credit hours that does not complete a degree requirement. Students will complete a minimum number of free elective credit hours between 39-41 credit hours.

Total Hours Required

A minimum of 120 semester hours are required for graduation.

Acceptable Substitutions

STAT 3604 Statistics for Social Science, STAT 3615 Biological Statistics, STAT 4706 Probability and Statistics for Engineers, BIT 2406 Introduction to Business Statistics, Analytics, and Modeling with at least C sub for STAT 3005 Statistical Methods.

MATH 1225 Calculus of a Single Variable with AP or TR credit satisfies the minimum grade of C- or better for MATH 1225 Calculus of a Single Variable and will be substituted.

MATH 1226 Calculus of a Single Variable with AP or TR credit satisfies the minimum grade of C- or better for MATH 1226 Calculus of a Single Variable.

MATH 1025 Elementary Calculus with AP credit or a grade of B- or better can be substituted for MATH 1225 Calculus of a Single Variable.

MATH 1026 Elementary Calculus with AP credit of a grade of B- or better can be substituted for MATH 1226 Calculus of a Single Variable.

All ECON 4984, Special Studies, can be used for Option Required Courses Electives. Students may complete more than one course identified as a ECON 4984 Course ECON 4984 Not Found but cannot receive credit for the same ECON 4984 Course ECON 4984 Not Found more than once.

Foreign Language Requirement

Students who did not successfully complete at least two years of a single foreign, classical, or sign language during high school must successfully complete six semester hours of a single foreign, classical, or sign language at the college level. Courses taken to meet this requirement do not count toward the hours required for graduation. Please consult the Undergraduate Catalog for details.