

**GUIDE TO THE
UNDERGRADUATE PROGRAM
IN ECONOMICS
2019-2020**

**SYRACUSE UNIVERSITY
THE COLLEGE OF ARTS AND SCIENCES
AND
THE MAXWELL SCHOOL OF CITIZENSHIP AND PUBLIC
AFFAIRS**

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SYRACUSE UNIVERSITY



Maxwell School
Department of Economics

Welcome to the Economics Department!

This guide introduces you to economics degree requirements and offers suggestions for designing your program of study. The first part of the guide has information about the opportunities available upon successful completion of the economics major or minor programs. A description of the B.A. and B.S. tracks follows, with an emphasis on helping you choose the track that meets your learning and career goals. A list of economics faculty major and minor advisers comes next, as well as information about the economics office, the Economics Student Association, and the Economics Department Newsletter. The first part also includes information about the awards that recognize academic achievement overall and in economics, including Economics honor society awards (Omicron Delta Epsilon) and the Joann Heffernan Heisen Award for the best graduating senior among economics majors. The second section provides descriptions of economics courses offered on a regular basis. A third section lists the economics faculty, along with their teaching and research interests. The final section of the guide provides information about procedural matters for students, such as transfer credits, declaring the major, and community internship programs.

I encourage you to attend the various events that the department holds for majors. We communicate information about these events in our newsletters, on our website and via email. Through these events, students can become acquainted with other Economics majors and with the economics faculty.

As always, our economics faculty members, and especially major and minor economics faculty advisors, will offer advice to help you make informed choices about your program of study. The economics department staff offer support on procedures and answer hosts of other questions. I welcome your comments on the current handbook and your suggestions for changes in successive editions of the handbook.

Best wishes,

Stuart S. Rosenthal
Chair and Professor
Department of Economics

Suggestions for Successful Navigation through the Major/Minor

- Consult with your economics faculty advisor about selecting the B.A. or B.S. track as soon as possible (see page 8 of this guide). Your faculty advisor will guide you toward the track that fits your learning objectives and career goals.
- Consult with your economics faculty advisor (see page 27 for advisor listings) at least once a semester. Go prepared to your meetings by familiarizing yourself with the department's course offerings and having a list of questions. Go with ideas about economics courses you would like to take.
- Use this guide to inform yourself about the B.A. and B.S. Economics major tracks and the requirements and electives for each track. The guide also has information on the Economics minor.
- Join the Department's Economics Student Association. Everyone is welcome. The club's student board plans and stages informative and fun activities. Activities have included, for example, career/graduate school sessions, networking events, alumni nights, end-of-the-year barbecues, faculty-student socials, peer advising for registration, and debates. See the [Economics Student Association](#) web site for meeting announcements.
- Economics majors and minors receive email messages about Economics Association events. If you have not received messages about events, please send your email address, along with a request to be added to the major / minor listserv, to [Ashley DiCarlo, aadicarl@syr.edu](mailto:AshleyDiCarlo,aadicarl@syr.edu)
- Please read the economics department newsletter that the department issues once per semester. It contains items of special interest to economics majors and minors. All majors and minors receive electronic copies of the newsletter. In addition, newsletters are available on the Economics Department webpage.

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PART I



Reasons for an Undergraduate Economics Degree

Economics plays an important role in understanding business decisions, employment choices, family life, health care, international relations, security and trade, politics, social policies, tax policy, and other significant issues in the world. A concentration in economics (major or minor) starts with education in economic theory and methods used to analyze modern economic issues. Upper-level economics electives focus on applying economic theory to the domestic and international issues mentioned above. Along with other social sciences, humanities, sciences, mathematics, and professional courses, the economics major or minor add an important dimension to understanding private and public sector issues facing people and nations.

Careers

A person with an economics degree enjoys versatility in the job market, as well as a good foundation for post-graduate study in business, economics, law, and other social sciences. The undergraduate economics curriculum trains students to think analytically and clearly about issues, and to formulate alternative solutions to domestic and international problems. Both skills have value in many professions. Employers typically seek persons with analytical training, knowledge of statistics, creativity, and good writing skills. Successful alumni have high-level posts on Wall Street, at major corporations, and management consulting firms. Recent graduates have positions at General Electric, Cigna, the Bureau of Labor Statistics, Ernst and Young, Martin Marietta, Pitney Bowes, Pricewaterhouse Coopers, Prudential Securities, and Revlon Corporation.

Graduate Study in Economics or Allied Areas

Students contemplating graduate school in economics should pursue the B.S. in Economics. In addition to the mathematics requirements for the Economics B.S., students should take two additional semesters of calculus (MAT 295 and MAT 296), all offered in the Mathematics Department. Students with interests in pursuing graduate degrees in business or public policy programs should take econometrics and perhaps two or three semesters of mathematics, depending on the university program that they wish to attend. In all cases, students who want to attend graduate school should seek advice from a faculty major advisor as early as possible in their undergraduate program.

Please visit the [American Economic Association](#) website for more information on Economics undergraduate and graduate degrees.

Declaring an Economics Major

Students who want to declare a major in economics should come to the department office, 110 Eggers Hall, to start the process and to gather the necessary paper work. The staff will guide you through the major or minor declaration processes, and acquaint you with your economics faculty advisor. A visit with your economics faculty advisor represents an essential step in the major declaration process.

Economics Curriculum

Choosing a B.A. or B.S. Degree

The B.A. degree in economics offers a strong, analytical major. Students with a B.A. in Economics have entered financial and management careers, enrolled in law school, or in MBA programs, for example. The B.A. degree works particularly well for students who pursue multiple majors or minors, who start the economics major later in their undergraduate careers, or who wish to study economics using an analytical but not mathematical approach.

The B.S. degree includes more mathematical/statistics/econometric subjects than the B.A. degree. The B.S. track requires advanced calculus (MAT 295 and 296), a mathematically oriented intermediate microeconomics course (ECN 311, as opposed to ECN 301), as well as mathematical economics (ECN 505), and sequence in econometrics (ECN 521 and 522). The requirements for the B.S. prepare you to work as an economics analyst and economic researcher. If you intend to pursue a graduate degree in economics (especially a doctorate) or a related field, we suggest the B.S. degree as the better option. As noted above, doctoral training in economics and related fields requires knowledge of mathematics and often more mathematics and quantitative skills than students anticipate when contemplating graduate school in economics and related fields. The B.S. courses preview the course work at those levels.

If you enjoy mathematics and have room in your schedule to take the course requirements for the B.S. degree, then take that track, regardless of your career plans. Students, who want to consider the B.S. as an option, should take ECN 311 *Intermediate Mathematical Microeconomics*, provided they have the required calculus prerequisites. Students who then later decide not to continue with the B.S. will have fulfilled the calculus and intermediate microeconomics requirements for the B.A.

The following pages have details on the requirements for the B.A. and B.S. degrees in Economics. Students should meet with their economics faculty advisers as often as necessary and at least once per semester. Faculty advisers release advising holds during registration periods after meeting with their economics student advisees.

Economics Major Requirements

The B.A. degree and the B.S. degree have different sets of course requirements. Please read the requirements carefully. In either degree program, students should ideally finish the intermediate theory courses by the end of their sophomore years to have maximum time to fulfill the economics electives and other major requirements. Students contemplating a major in Economics should visit their Economics faculty advisor, listed on page 15, to review the requirements and course options.

B.A. Economics Degree Requirements as of August 2018

(Curriculum applies to students who enter the University in August 2018.)

(Students who entered the University prior to August 2018 may follow the new curriculum or the economics curriculum in place as of August 2015 outlined on pages 13-15 of this guidebook.)

The degree requirements for a B.A. Degree in Economics as of August 2018:

1. MAT 284 (Business Calculus) with a grade of “C” or better. MAT 284 is a prerequisite ECN 301 and ECN 302.
2. ECN 101 (Introductory Microeconomics) and ECN 102 (Introductory Macroeconomics). [Students may take ECN 203 instead of ECN 102.]
3. ECN 301 (or ECN 311), and ECN 302, and ECN 422.
4. Four additional upper-division electives numbered 300 or higher. Two of the four electives must have a prerequisite of ECN 301 (or ECN 311) or ECN 302. (Students may NOT use ECN 301, ECN 302, ECN 303 (formerly ECN 310 *Microeconomics for Business*), ECN 311, ECN 365, ECN 422, ECN 470 and ECN 521 as upper-division electives to fulfill requirements toward the economics major.
5. **TOTAL:** 21 Upper-division course credits and 6 credits of principles of economics.
6. A grade point average of 2.0 or higher is required in the 21 upper-division course credits.

Note: Students with Advanced Placement credits and transfer credits should consult with their Arts and Sciences advisers about counting the credits toward the introductory microeconomics and macroeconomics courses.

Quantitative Skills of the Arts & Sciences Liberal Arts Core

The B.A. economics major requires completion of MAT 284 with a grade of “C” or better. (“Students who complete a calculus courses numbered 284 or higher with a grade of “C” or better do not need to take an additional mathematics course to complete the Quantitative Skills requirement in the Arts and Sciences Core. See page 17 of Liberal Arts Core Guidebook 2019-20.) Economics department faculty recommends that Arts and Sciences students, who do not have sufficient preparation in mathematics, take MAT 194 before the take MAT 284.

Principles of Economics

Students enter the major by completing ECN 101 Introductory Microeconomics and ECN 102 Introductory Macroeconomics. (Students may use ECN 203 *Economic Ideas and Issues* instead of ECN 102. *Students do not need a petition to count ECN 203 in place of ECN 102.*) Students may also use advanced placement courses and transfer credit for introductory microeconomics and introductory macroeconomics to satisfy the principles of economics requirement. (Students seek approval for transfer courses from advisors in the College of Arts and Sciences.)

Intermediate Microeconomics

B.A. students generally take ECN 301 Intermediate Microeconomics and ECN 302 Intermediate Macroeconomics. These courses have MAT 284 as a prerequisite. ECN 311 *Intermediate Mathematical Microeconomics* is a more mathematical version of the ECN 301 *Intermediate Microeconomics* course. The economics faculty recommends ECN

311 to students who like to work with mathematical concepts and have taken calculus at the MAT 295 or MAT 296 levels. Note that only one of ECN 301 **or** ECN 311 counts toward completing the intermediate microeconomics theory requirement for the economics major.

Upper-Division Electives

Please consult with your economics faculty major advisor on the appropriate selection of upper-division elective courses in economics. Your faculty advisor will recommend electives that match your academic interests and career goals. In addition to the upper-division elective courses regularly offered, students may take up to three credits of ECN 490 Independent Study towards their major upper-division elective requirements in economics. For students in the Economics Distinction Program, ECN 495 and 496 count as two of the four upper-division elective courses.

Note that ECN 365 *The World Economy* and ECN 303 *Microeconomics for Business* (formerly ECN 310 *Microeconomics for Business*), are designed for non-majors and **may not be used** to satisfy elective requirements for the economics majors or minor. In addition, ECN 470 *Experience Credit* does not count for credit towards the economics majors or minor.

Course Substitutions

Pre-approved course substitutions are shown below. Students are required to submit a [Petition to Faculty](#) to count any of these substitutions towards the major requirements.

- Students may count ECN 521 *Economic Statistics* in place of ECN 422 *Introduction to Econometrics and Statistics* to satisfy the B.A. requirements. Students may not receive credit for both ECN 422 and ECN 521 towards the economics major.
- Management students may use FIN 355 *Money and Banking* in place of ECN 481 *Money and Banking*. Students may not receive credit for both ECN 481 and FIN 355 toward their economics major.
- Students who study abroad and who want to use courses taken while abroad toward satisfying the economics major or minor should have the courses approved in the Department of Economics before they take the courses.

Transfer Credit

Students may take economics courses at another college or university provided they receive prior approval from the Economics Department. To request approval, students must submit a [Transfer Credit Petition to Faculty](#) to the Economics Department in advance of taking the courses.

Limit on Transfer Credit

The Economics Department applies a two-thirds rule to the upper-division economics coursework; that is, students will take two-thirds of the upper-division coursework (ECN 301, ECN 302, ECN 422, and four upper-division electives) in economics at Syracuse University or its affiliate programs, such as the SU Abroad Program. In effect, no more than two upper-division economics courses will transfer from another college or university and count towards the B.A. degree.

See page 48 for more policies and information on transfer credit.

**SYRACUSE UNIVERSITY DEPARTMENT OF ECONOMICS: PLAN OF STUDY
B. A. DEGREE (as of August 2018)**

Name: _____ SU ID Number: _____

E-MAIL (that you use): _____ Home College: _____

Permanent Address: _____

Local Address: _____

Major Advisor: _____ Expected Graduation Date: _____

Date of Application to Major: _____

REQUIREMENTS	COURSES PLANNED OR IN PROGRESS	COMPLETED COURSES		
Introductory Courses		Courses	Grades	Semester
ECN 101				
ECN 102 or ECN 203				
AP/Transfer Credit (specify)				
Quantitative Skills in Mathematics (required for ECN 301 and ECN 302)				
MAT 284 (Grade of C or better)				
Required Courses				
ECN 301*				
ECN 302				
ECN 422				
Four Economics Electives (Two or more electives must have 301 or 302 as a prerequisite)				
The following courses may NOT be used as electives for the major: 301, 302, 303, 311, 365, 422, 470 and 521)				
* BA students may take ECN 311 in lieu of ECN 301. Students cannot earn credit for both ECN 301 and ECN 311. Prerequisites for ECN311: (ECN 101) and MAT 295 or MAT 296.				
* BA students may substitute ECN 521 for ECN 422. Students cannot earn credit for both ECN 521 and ECN 422.				
ECN 310 <i>Microeconomics for Business</i> will NOT earn credit toward the economics major. Other topics courses numbered 310 or 410 will earn credit as an upper-division economics elective toward the economics major.				
An overall grade point average of 2.0 or higher is required in the 21 upper-division course credits.				

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Economics B.A. Degree

Course No.	Course Name	Prerequisites and Substitutions
MAT 284	Business Calculus (4 credits)	Offered Spring Semester and NOT Fall semester. Sometimes offered Summer Session II Undergraduate Mathematics Curriculum
B.A. Required Core Economics Classes		Prerequisites and Substitutions
ECN 101	Introductory Microeconomics	
ECN 102	Introductory Macroeconomics	ECN 203 Economic Ideas and Issues may be substituted for ECN 102
ECN 301*	Intermediate Microeconomics	ECN 101 and 102 or ECN 101 and 203 and MAT 284, or 285, or 295
ECN 302	Intermediate Macroeconomics	ECN 101 and 102 or ECN 101 and 203 and MAT 284, or 285, or 295
ECN 422**	Intro to Stats and Econometrics	(ECN 301 or ECN 311) and ECN 302
Four Economics Electives (two must have 301 or 302 as a prerequisite)		Prerequisites
ECN 304	Economics of Social Issues	ECN 101 or ECN 203
ECN 305	Economics of Personal Finance	ECN 101 or ECN 203
ECN 310	Microeconomics for Business	DOES NOT COUNT TOWARD MAJOR
ECN 310	Special Topics	(ECN 101 and ECN 102) or 203 (ECN 102 waiver at discretion of Prof.- see office staff)
ECN 365	World Economy	DOES NOT COUNT TOWARD MAJOR
ECN 367	Economics of Globalization	ECN 101 and ECN 102 or 203.
ECN 410	Topics/Economic Applications	ECN 301 or ECN 311 and ECN 302
ECN 421	Game Theory	(MAT 284 or 285 or 295 or 296) and (ECN 301 or ECN 311)
ECN 431	Public Economics	ECN 301 or ECN 311
ECN 435	State and Local Finance	ECN 301 or ECN 311
ECN 437	Environmental Economics	ECN 301 or ECN 311
ECN 441	Urban Economics	ECN 301 or ECN 311
ECN 443	Real Estate Economics	ECN 301 or ECN 311
ECN 451	Labor Economics	ECN 301 or ECN 311
ECN 465	International Trade	ECN 301 or ECN 311
ECN 470	Experience Credit	DOES NOT COUNT TOWARD MAJOR
ECN 481	Introduction Money & Banking	ECN 302
ECN 487	Economic Growth	ECN 301 or ECN 311
ECN 495	Distinction Thesis Seminar I	Instructor Permission
ECN 496	Distinction Thesis Seminar II	Instructor Permission
ECN 505	Mathematical Economics	(ECN 301 or ECN 311) and MAT 295 and MAT 296
ECN 510	Special Topics	ECN 301 or 311 (Repeatable 5 time(s), 18 credits maximum.)
ECN 521**	Economic Statistics	(ECN 101 and(ECN 102 or 203)) and MAT 295 and MAT 296
ECN 522	Econometric Methods	(ECN 301 or ECN 311) and ECN 302 and ECN 521
ECN 523	Advanced Topics/Econometrics	ECN 521 and ECN 522
ECN 566	International Macroeconomics	ECN 302

Note:

***An overall GPA of 2.0 or higher is required in the 21 upper division course credits.**

**BA students may take ECN 311 in lieu of ECN 301. Students cannot earn credit for both ECN 301 and ECN 311.

Prerequisites for ECN 311: (ECN 101) and MAT 295.

***BA students may substitute ECN 521 in place of ECN 422. Students cannot earn credit for both ECN 422 and ECN 521.

B.A. Economics Degree Requirements as of August 2015

(Curriculum applies to students who entered the University prior to August 2018.)

(Students may petition to follow the new curriculum in place as of August 2018.)

The requirements for a Bachelor of Arts (B.A.) Degree in Economics as of August 2015:

1. Satisfy the Quantitative Skills requirement of the Arts & Sciences Liberal Arts core and do so before taking ECN 301 and ECN 302.
2. ECN 203 Economics Ideas and Issues or equivalent sequence*
3. Complete ECN 301 (or ECN 311) and ECN 302, and ECN 422.
4. Complete five additional upper-division electives numbered 300 or higher, excluding ECN 301, ECN 302, ECN 303 (formerly ECN 310 *Microeconomics for Business*), ECN 311, ECN 365, ECN 422, ECN 470 and ECN 521. In addition, two electives must have a prerequisite of ECN 301 (or ECN 311) or ECN 302

TOTAL: 24 Upper-division course credits and principles of economics. An overall grade point average of 2.0 or higher is required in the 24 upper-division course credits.

*Note: Students with Advanced Placement credits and transfer credits should consult with their Arts and Sciences advisers about counting the credits toward the introductory microeconomics and macroeconomics courses.

Quantitative Skills of the Arts & Sciences Liberal Arts Core

The department faculty recommends that Arts and Sciences students take MAT 194 **and** MAT284 or higher levels of calculus to satisfy their Quantitative Skills requirement in the Arts & Sciences Core. In addition, any MAT course above 230 will also satisfy three of the twelve credits needed to fulfill the Natural Sciences and Mathematics Divisional Perspectives of the Arts and Sciences Core.

Note: "Students who complete a calculus courses numbered 284 or higher with a grade of "C" or better do not need to take an additional mathematics course to complete the Quantitative Skills requirement in the Arts and Sciences Core. See page 17 of Liberal Arts Core Guidebook 2017-18.)

Principles of Economics

Students enter the major by completing ECN 203 *Economic Ideas and Issues*. Students may use advanced placement courses and transfer credits for introductory microeconomics and introductory macroeconomics to satisfy the principles of economics requirement.

Intermediate Microeconomics

The economics faculty recommends ECN 311 to students who like to work with mathematical concepts and have taken calculus at the MAT 295 or MAT 296 levels. Note that only one of ECN 301 **or** ECN 311 counts toward completing the intermediate microeconomics theory requirement for the economics major.

Upper-Division Electives

Please consult with your economics faculty major advisor on the appropriate selection of upper-division elective courses in economics. Your faculty advisor will recommend electives that match your academic interests and career goals. In addition to the upper-division elective courses regularly offered, students may take up to three credits of ECN 490 Independent Study towards their major upper-division elective requirements in economics. For students in the Economics Distinction Program, ECN 495 and 496 count as two of the four upper-division elective courses.

Note that ECN 365 *The World Economy* and ECN 303 *Microeconomics for Business* (formerly ECN 310 *Microeconomics for Business*), are designed for non-majors and **may not be used** to satisfy elective requirements for the economics majors or minors. In addition, ECN 470 *Experience Credit* does not count for credit towards the economics majors or minor.

Course Substitutions

Pre-approved course substitutions are shown below. Students are required to submit a [Petition to Faculty](#) to count any of these substitutions towards the major requirements.

- Students may count ECN 521 *Economic Statistics* in place of ECN 422 *Introduction to Econometrics and Statistics* to satisfy the B.A. requirements. Students may not receive credit for both ECN 422 and ECN 521 towards the economics major.
- Management students may use FIN 355 *Money and Banking* in place of ECN 481 *Money and Banking*. Students may not receive credit for both ECN 481 and FIN 355 toward their economics major.
- Students who study abroad and who want to use courses taken while abroad toward satisfying the economics major or minor should have the courses approved in the Department of Economics before they take the courses.

Transfer Credit

Students may take economics courses at another college or university provided they receive prior approval from the Economics Department. To request approval, students must submit a [Transfer Credit Petition to Faculty](#) to the Economics Department in advance of taking the course.

Limit on Transfer Credit

The Economics Department applies a two-thirds rule to the upper-division economics coursework; that is, students will take two-thirds of the upper-division coursework (ECN 301, ECN 302, ECN 422, and five upper-division electives) in economics at Syracuse University or its affiliate programs, such as the SU Abroad Program. In effect, no more than two upper-division economics courses will transfer from another college or university and count towards the B.A. degree.

See page 48 for more policies and information on transfer credit.

**SYRACUSE UNIVERSITY DEPARTMENT OF ECONOMICS: PLAN OF STUDY
B. A. DEGREE (as of August 2015)**

Name: _____ SU ID Number: _____

E-MAIL (that you use): _____ Home College: _____

Permanent Address: _____

Local Address: _____

Major Advisor: _____ Expected Graduation Date: _____

Date of Application to Major: _____

REQUIREMENTS	COURSES PLANNED OR IN PROGRESS	COMPLETED COURSES		
Introductory Courses		Courses	Grades	Semester
ECN 203 (ECN 101 and ECN 102)				
AP/Transfer Credit (specify)				
Quantitative Skills for the Liberal Arts Core (required for ECN 301 and ECN 302)				
Required Courses				
ECN 301*				
ECN 302				
ECN 422				
Five Economics Electives (Two or more electives must have 301 or 302 as a prerequisite)				
Any five ECN courses numbered 300-599 (excluding 301, 302, 303, 311, 365, 422, 470 and 521) AND at least two of these courses must have prerequisites of ECN 301 (or 311) or ECN 302.				
* BA students may take ECN 311 in lieu of ECN 301. Students cannot earn credit for both ECN 301 and ECN 311. Prerequisites for ECN 311: (ECN 203 or 101) and MAT 295 or MAT 296.				
* BA students may substitute ECN 521 for ECN 422. Students cannot earn credit for both ECN 521 and ECN 422.				
ECN 310 <i>Microeconomics for Business</i> will NOT earn credit toward the economics major. Other topics courses numbered 310 or 410 will earn credit as an upper-division economics elective toward the economics major.				
An overall grade point average of 2.0 or higher is required in the 24 upper-division course credits.				

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Economics B.A. Degree

Course No.	Course Name	Prerequisites and Substitutions
Quantitative Skills: Two classes or one class of calculus numbered MAT 284, higher, with a grade of C or higher.		
MAT		
MAT		
B.A. Required Core Economics Classes		Prerequisites and Substitutions
ECN 203	Economic Ideas and Issues	None
ECN 301*	Intermediate Microeconomics	(ECN 203 or equivalent) and quantitative skills
ECN 302	Intermediate Macroeconomics	(ECN 203 or equivalent) and quantitative skills
ECN 422**	Intro to Stats and Econometrics	(ECN 301 or ECN 311) and ECN 302
Four Economics Electives (two must have 301 or 302 as a prerequisite)		Prerequisites
ECN 304	Economics of Social Issues	ECN 101 or ECN 203
ECN 305	Economics of Personal Finance	ECN 101 or ECN 203
ECN 310	Microeconomics for Business	DOES NOT COUNT TOWARD MAJOR
ECN 310	Special Topics	(ECN 101 and ECN 102) or 203 (ECN 102 waiver at discretion of Prof.- see office staff)
ECN 365	World Economy	DOES NOT COUNT TOWARD MAJOR
ECN 367	Economics of Globalization	ECN 101 or 203.
ECN 410	Topics/Economic Applications	ECN 301 or ECN 311 and ECN 302
ECN 421	Game Theory	(MAT 284 or 285 or 295 or 296) and (ECN 301 or ECN 311)
ECN 431	Public Economics	ECN 301 or ECN 311
ECN 435	State and Local Finance	ECN 301 or ECN 311
ECN 437	Environmental Economics	ECN 301 or ECN 311
ECN 441	Urban Economics	ECN 301 or ECN 311
ECN 443	Real Estate Economics	ECN 301 or ECN 311
ECN 451	Labor Economics	ECN 301 or ECN 311
ECN 465	International Trade	ECN 301 or ECN 311
ECN 470	Experience Credit	DOES NOT COUNT TOWARD MAJOR
ECN 481	Introduction Money & Banking	ECN 302
ECN 487	Economic Growth	ECN 301 or ECN 311
ECN 495	Distinction Thesis Seminar I	Instructor Permission
ECN 496	Distinction Thesis Seminar II	Instructor Permission
ECN 505	Mathematical Economics	(ECN 301 or ECN 311) and MAT 295 and MAT 296
ECN 510	Special Topics	ECN 301 or 311 (Repeatable 5 time(s), 18 credits maximum.)
ECN 521**	Economic Statistics	(ECN 101 and(ECN 102 or 203)) and MAT 295 and MAT 296
ECN 522	Econometric Methods	(ECN 301 or ECN 311) and ECN 302 and ECN 521
ECN 523	Advanced Topics/Econometrics	ECN 521 and ECN 522
ECN 566	International Macroeconomics	ECN 302

Note:

***An overall GPA of 2.0 or higher is required in the 21 upper division course credits.**

**BA students may take ECN 311 in lieu of ECN 301. Students cannot earn credit for both ECN 301 and ECN 311.

Prerequisites for ECN 311: (ECN 101) and MAT 295.

***BA students may substitute ECN 521 in place of ECN 422. Students cannot earn credit for both ECN 422 and ECN 521.

B.S. Economics Degree Requirements as of August 2018

(Curriculum applies to students who enter the University in August 2018.)

(Students who entered the University prior to August 2018 follow the economics curriculum in place as of August 2014 outlined on pages 21-24 of this guidebook. Students may petition to follow the new curriculum.)

The requirements for a Bachelor of Science (B.S.) degree in Economics are:

- MAT 295 **AND** MAT 296.
- ECN 101 (Introductory Microeconomics) and ECN 102 (Introductory Macroeconomics). [Students may take ECN 203 instead of ECN 102.]
- ECN 311 (**not ECN 301**) and ECN 302
- ECN 505, ECN 521 (MAS 261 and BUA 345 for Management students) and ECN 522.
- Four additional upper-division electives numbered 300 or higher, excluding ECN 301, ECN 302, ECN 303 (formerly ECN 310 *Microeconomics for Business*), ECN 311, ECN 365, ECN 422, ECN 470, ECN 505, ECN 521, and ECN 522. In addition, two of the upper-division electives must have ECN 311 or ECN 302 as a prerequisite.

TOTAL: 27 Upper-division course credits and six credits of principles of economics. An overall grade point average of 2.0 or higher is required in the 27 upper-division course credits.

Calculus Requirement:

Students pursuing the B.S. degree must complete a sequence in calculus of MAT 295 and MAT 296 or higher. Students **may not** use Business Calculus (MAT 284) and Life Sciences Calculus I & II (MAT 285 and MAT286) to satisfy the calculus requirement for the B.S. economics degree.

Note: MAT 295 and MAT 296 will simultaneously satisfy both the Quantitative Skills requirement and six of the twelve credits needed to fulfill the Natural Sciences and Mathematics Divisional Perspectives of the Arts and Sciences Core.

Principles of Economics

Students enter the major by completing ECN 101 Introductory Microeconomics and 102 Introductory Macroeconomics. (Students may substitute ECN 203 *Economic Ideas and Issues* for ECN 102.) Students may use advanced placement courses and transfer credit for introductory microeconomics and introductory macroeconomics to satisfy the principles of economics requirement.

Required Coursework for the B.S. Degree

Students are required to take ECN 311 *Intermediate Mathematical Microeconomics*, ECN 505 *Mathematical Economics*, ECN 521 *Economics Statistics*, and ECN 522 *Econometric Methods*. Along with the prerequisite calculus courses, the required economics courses give students a good grasp of the technical aspects of the economics field and distinguish the graduate with a Bachelor of Science degree.

Upper-Division Electives

Please consult with your economics faculty major advisor on the appropriate selection of upper-division elective courses in economics. Your faculty advisor will recommend electives that match your academic interests and career goals. In addition to the upper-division elective courses regularly offered, students may take three credits of ECN 490 Independent Study towards their major upper-division elective requirements in economics. For students in the Economics Program of Distinction, ECN 495 and 496 count as two of the four upper-division elective courses.

Note that ECN 365 *The World Economy* and ECN 303 *Microeconomics for Business* (formerly ECN 310 *Microeconomics for Business*), are designed for non-majors and **do not** satisfy elective requirements for the economics majors or minors. In addition, ECN 470 *Experience Credit* does not count for credit towards the economics majors or minor.

Course Substitution

Pre-approved course substitutions are shown below. Students are required to submit a [Petition to Faculty](#) to count any of these course substitutions towards the major requirements.

- Students may count MAT 521 *Introduction to Probability* in place of ECN 521 *Economic Statistics* to satisfy the B.S. requirements. Students may not receive credit for both MAT 521 and ECN 521 towards the economics major.
- Students enrolled in the School of Management (SOM) may count MAS 261 and BUA 345 in place of ECN 521. Students may not receive credit for both ECN 521 and MAS 261 and BUA 345 toward the economics major.
- Management students may use FIN 355 *Money and Banking* in place of ECN 481 *Money and Banking*. Students may not receive credit for both ECN 481 and FIN 355 toward the economics major.
- Students who study abroad and who want to use courses taken while abroad toward satisfying the economics major or minor should have the courses approved in the Department of Economics before they take the courses.

Transfer Credit

Students may take economics courses at another college or university provided they receive prior approval from the Economics Department. To request approval, students must submit a [Transfer Credit Petition to Faculty](#) to the Economics Department in advance of taking the course.

Limit on Transfer Credit

The Economics Department applies a two-thirds rule to the upper-division economics coursework. Two-thirds of the upper-division coursework (ECN 302, ECN 311, ECN 505, ECN 521, ECN 522 and four upper-division electives) must be taken at Syracuse University or its affiliate programs, such as the Syracuse University Abroad Program. In effect, no more than two upper-division economics courses will transfer from another college or university and count towards the B.A. degree.

Note: Because of the specialized nature of ECN 311, ECN 505, and ECN 522, it may be difficult to find acceptable substitutes for these courses at another college or university.

See page 48 for more policies and information on transfer credit.

**SYRACUSE UNIVERSITY DEPARTMENT OF ECONOMICS: PLAN OF STUDY
B.S. DEGREE (as of August 2018)**

Name: _____ SU ID Number: _____

E-MAIL (that you use): _____ Home College: _____

Permanent Address: _____

Local Address: _____

Major Advisor: _____ Expected Graduation Date: _____

Date of Application to Major: _____

REQUIREMENT	PLANNED/IN PROGRESS COURSES	COMPLETED COURSES		
Introductory Courses		Courses	Grade	Semester
ECN 101				
ECN 102 or ECN 203				
AP/Transfer Credit (specify)				
MAT 295				
MAT 296				
ECN 311* (NOT 301)				
ECN 302				
ECN 505				
ECN 521				
ECN 522				
Four Economics Electives (Two or more must have 301/311 or 302 as a prerequisite)				
The following courses may NOT be used as electives: 301, 302, 303, 311, 365, 422, 470, 505, 521 and 522).				
* Students cannot use ECN 301 towards the B.S. degree. Students who switch from the B.A. to B.S. degree will be required to take ECN 311, even if they previously took ECN 301.				
Students may not take ECN 310 <i>Microeconomics for Business</i> for credit towards the economics majors. Student may take all other topics courses numbered 310 or 410 for credit towards upper-division economics electives.				
An overall grade point average of 2.0 or higher is required in the 30 upper-division course credits.				

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Economics B.S. Degree

Course No.	Course Name	Prerequisites and Substitutions
MAT 295	Calculus I	MATH Requirements
MAT 296	Calculus II	MATH Requirements
Core Economics Classes: for all BS students		Prerequisites and Substitutions
ECN 101	Introductory Microeconomics	N/A
ECN 102	Introductory Macroeconomics	ECN 203 Economic Ideas and Issues may be substituted for ECN 102
ECN 311*	Intermediate Mathematical Microeconomics	MAT 295 & MAT 296 and ECN 101 & ECN 102 or ECN 101 & ECN 203
ECN 302	Intermediate Macroeconomics	ECN 101 & ECN 102 or ECN 101 & ECN 203 and MAT 284, 285, or 295
ECN 505	Mathematical Economics	ECN 301 or ECN 311 and MAT 295 and MAT 296
ECN 521	Economic Statistics	MAT 295 or MAT 296 and (ECN 101 & 102) or (ECN 101 & 203)
ECN 522	Econometric Methods	(ECN 301 or ECN 311) and ECN 302 and ECN 521
Four Economics Electives (two must have 301/311 or 302 as a prerequisite)		Prerequisites
ECN 304	Economics of Social Issues	ECN 101 or ECN 203
ECN 305	Economics of Personal Finance	ECN 101 or ECN 203
ECN 310	Microeconomics for Business	DOES NOT COUNT TOWARD MAJOR
ECN 310	Special Topics	(ECN 101 and ECN 102) or 203 (ECN 102 waiver at discretion of Prof.- see office staff)
ECN 365	World Economy	DOES NOT COUNT TOWARD MAJOR
ECN 367	Special Topics	ECN 101 or ECN 203
ECN 410	Topics/ Economic Applications	ECN 301 or ECN 311 and ECN 302
ECN 421	Game Theory	(MAT 284 or 285 or 295 or 296) and (ECN 301 or ECN 311)
ECN 422	Intro to Stats & Econometrics	DOES NOT COUNT TOWARD BS Economics
ECN 431	Public Economics	ECN 301 or ECN 311
ECN 435	State and Local Finance	ECN 301 or ECN 311
ECN 437	Environmental	ECN 301 or ECN 311
ECN 441	Urban Economics	ECN 301 or ECN 311
ECN 443	Real Estate Economics	ECN 301 or ECN 311
ECN 451	Labor Economics	ECN 301 or ECN 311
ECN 465	International Trade	ECN 301 or ECN 311
ECN 470	Experience Credit	DOES NOT COUNT TOWARD MAJOR
ECN 481	Introduction Money & Banking	ECN 302
ECN 487	Economic Growth	Prerequisites: ECN 301 or ECN 311
ECN 495	Distinction Thesis Seminar I	Instructor Permission
ECN 496	Distinction Thesis Seminar II	Instructor Permission
ECN 510	Special Topics	Prerequisites: ECN 301 or 311 (Repeatable 5 time(s), 18 credits maximum.)
ECN 523	Advanced Topics/Econometrics	Prerequisites: ECN 521 and ECN 522
ECN 566	International Macroeconomics	Prerequisites: ECN 302

Note:

***An overall GPA of 2.0 or higher is required in the 30 upper division course credits.**

**B.S. economics students may not use ECN 301 towards the B.S. degree in economics. Students who switch from the B.A. to B.S. degree will be required to take ECN 311, even if they previously took ECN 301.

B.S. Economics Degree Requirements

(Curriculum applies to students who entered the University prior to August 2018.)

(Students may petition to follow the new curriculum in place as of August 2018)

The requirements for a Bachelor of Science (B.S.) degree in Economics:

- MAT 295 **AND** MAT 296.
- ECN 203 Economic Ideas and Issues or equivalent sequence*
- ECN 311 (**not ECN 301**) and ECN 302
- ECN 505, ECN 521 (MAS 261 and BUA 345 for Management students) and ECN 522.
- Five additional upper-division electives numbered 300 or higher, excluding ECN 301, ECN 302, ECN 303 (formerly ECN 310 *Microeconomics for Business*), ECN 311, ECN 365, ECN 422, ECN 470, ECN 505, ECN 521, and ECN 522. In addition, two of the upper-division electives must have ECN 311 or ECN 302 as a prerequisite.

TOTAL: 30 Upper-division course credits and principles of economics. An overall grade point average of 2.0 or higher is required in the 30 upper-division course credits.

*Equivalent sequences include Advanced Placement credit and transfer credit for an introductory sequence (microeconomics and macroeconomics).

Calculus Requirement:

Students pursuing the B.S. degree must complete a sequence in calculus of MAT 295 and MAT 296 or higher. Students may not use Business Calculus (MAT 284) and Life Sciences Calculus I & II (MAT 285 and MAT 286) to satisfy the calculus requirement of the B.S. economics degree.

Note: MAT 295 and MAT 296 will simultaneously satisfy both the Quantitative Skills requirement and six of the twelve credits needed to fulfill the Natural Sciences and Mathematics Divisional Perspectives of the Arts and Sciences Core.

Principles of Economics

Students enter the major by completing ECN 203 *Economic Ideas and Issues*. Students may use advanced placement courses and transfer credit for introductory microeconomics and introductory macroeconomics to satisfy the principles of economics requirement.

Required Coursework for the B.S. Degree

Students are required to take ECN 311 *Intermediate Mathematical Microeconomics*, ECN 505 *Mathematical Economics*, ECN 521 *Economics Statistics*, and ECN 522 *Econometric Methods*. Along with the prerequisite calculus courses, the required economics courses give students a good grasp of the technical aspects of the economics field and distinguish the graduate with a Bachelor of Science degree.

Upper-Division Electives

Please consult with your economics faculty major advisor on the appropriate selection of upper-division elective courses in economics. Your faculty advisor will recommend electives that match your academic interests and career goals. In addition to the upper-division elective courses regularly offered, students may take three credits of ECN 490 Independent Study towards their major upper-division elective requirements in economics. For students in the Economics Program of Distinction, ECN 495 and 496 count as two of the four upper-division elective courses.

ECN 365 *The World Economy* and ECN 303 *Microeconomics for Business* (formerly ECN 310 *Microeconomics for Business*) are designed for non-majors and **do not** satisfy major requirements. In addition, ECN 470 *Experience Credit* **does not count** for credit towards the major.

Course Substitution

Pre-approved course substitutions are shown below. Students are required to submit a [Petition to Faculty](#) to count any of these course substitutions towards the major requirements.

- Students may count MAT 521 *Introduction to Probability* in place of ECN 521 *Economic Statistics* to satisfy the B.S. requirements. Students may not receive credit for both MAT 521 and ECN 521 towards the economics major.
- Students enrolled in the School of Management (SOM) may count MAS 261 and BUA 345 in place of ECN 521. Students may not receive credit for both ECN 521 and MAS 261 and BUA 345 toward the economics major.
- Management students may use FIN 355 *Money and Banking* in place of ECN 481 *Money and Banking*. Students may not receive credit for both ECN 481 and FIN 355 toward the economics major.
- Students who study abroad and who want to use courses taken while abroad toward satisfying the economics major or minor should have the courses approved in the Department of Economics before they take the courses.

Transfer Credit

Students may take economics courses at another college or university provided they receive prior approval from the Economics Department. To request approval, students must submit a [Transfer Credit Petition to Faculty](#) to the Economics Department in advance of taking the course.

Limit on Transfer Credit

The Economics Department applies a two-thirds rule to the upper-division economics coursework. Two-thirds of the upper-division coursework (ECN 302, ECN 311, ECN 505, ECN 521, ECN 522 and five upper-division electives) must be taken at Syracuse University or its affiliate programs, such as the Syracuse University Abroad Program. In effect, no more than three upper-division economics courses will transfer from another college or university and count towards the B.S. degree.

Note: Because of the specialized nature of ECN 311, ECN 505, and ECN 522, it may be difficult to find acceptable substitutes for these courses at another college or university.

See page 48 for more policies and information on transfer credit.

SYRACUSE UNIVERSITY DEPARTMENT OF ECONOMICS: PLAN OF STUDY
B.S. DEGREE (as of August 2014)

Name: _____ SU ID Number: _____

E-MAIL (that you use): _____ Home College: _____

Permanent Address: _____

Local Address: _____

Major Advisor: _____ Expected Graduation Date: _____

Date of Application to Major: _____

REQUIREMENT	PLANNED/IN PROGRESS COURSES	COMPLETED COURSES		
		Courses	Grade	Semester
Introductory Courses				
ECN 203				
AP/Transfer Credit (specify)				
Five Economics Electives (Two or more must have 301/311 or 302 as a prerequisite)				
Any five ECN courses numbered 300-599 (excluding 301, 302, 303, 311, 365, 422, 470, 505, 521 and 522) AND at least two of these courses must have prerequisites of ECN 311 or ECN 302.				
* Students cannot use ECN 301 towards the B.S. degree. Students who switch from the B.A. to B.S. degree will be required to take ECN 311, even if they previously took ECN 301.				
Students may not take ECN 310 <i>Microeconomics for Business</i> for credit towards the economics majors. Student may take all other topics courses numbered 310 or 410 for credit towards upper-division economics electives.				
An overall grade point average of 2.0 or higher is required in the 30 upper-division course credits.				

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Economics B.S. Degree

Course No.	Course Name	Prerequisites and Substitutions
MAT 295	Calculus I	Math Requirement
MAT 296	Calculus II	Math Requirement
Core Economics Classes: for all BS students		Prerequisites and Substitutions
ECN 203	Economic Ideas and Issues	
ECN 311*	Intermediate Mathematical Microeconomics	(ECN 203 or equivalent) and MAT 295
ECN 302	Intermediate Macroeconomics	(ECN 203 or equivalent) and quantitative skills
ECN 505	Mathematical Economics	ECN 301 or ECN 311 and MAT 295 and MAT 296
ECN 521	Economic Statistics	(ECN 203 or equivalent) and MAT 295 and MAT 296
ECN 522	Econometric Methods	(ECN 301 or ECN 311) and ECN 302 and ECN 521
Five Economics Electives (two must have 301/311 or 302 as a prerequisite)		Prerequisites
ECN 304	Economics of Social Issues	ECN 101 or ECN 203
ECN 305	Economics of Personal Finance	ECN 101 or ECN 203
ECN 310	Microeconomics for Business	DOES NOT COUNT TOWARD MAJOR
ECN 310	Special Topics	(ECN 101 and ECN 102) or 203 (ECN 102 waiver at discretion of Prof.- see office staff)
ECN 365	World Economy	DOES NOT COUNT TOWARD MAJOR
ECN 367	Special Topics	ECN 101 or ECN 203
ECN 410	Topics/ Economic Applications	ECN 301 or ECN 311 and ECN 302
ECN 421	Game Theory	(MAT 284 or 285 or 295 or 296) and (ECN 301 or ECN 311)
ECN 422	Intro to Stats & Econometrics	DOES NOT COUNT TOWARD BS Economics
ECN 431	Public Economics	ECN 301 or ECN 311
ECN 435	State and Local Finance	ECN 301 or ECN 311
ECN 437	Environmental	ECN 301 or ECN 311
ECN 441	Urban Economics	ECN 301 or ECN 311
ECN 443	Real Estate Economics	ECN 301 or ECN 311
ECN 451	Labor Economics	ECN 301 or ECN 311
ECN 465	International Trade	ECN 301 or ECN 311
ECN 470	Experience Credit	DOES NOT COUNT TOWARD MAJOR
ECN 481	Introduction Money & Banking	ECN 302
ECN 487	Economic Growth	Prerequisites: ECN 301 or ECN 311
ECN 495	Distinction Thesis Seminar I	Instructor Permission
ECN 496	Distinction Thesis Seminar II	Instructor Permission
ECN 510	Special Topics	Prerequisites: ECN 301 or 311 (Repeatable 5 time(s), 18 credits maximum.)
ECN 523	Advanced Topics/Econometrics	Prerequisites: ECN 521 and ECN 522
ECN 566	International Macroeconomics	Prerequisites: ECN 302

Note: An overall GPA of 2.0 or higher is required in the 30 upper division course credits.

* B.S. economics students may not use ECN 301 towards the B.S. degree in economics. Students who switch from the B.A. to B.S. degree will be required to take ECN 311, even if they previously took ECN 301.

Economics Minor Requirements (as of August 2018)

(Curriculum applies to students who enter the University in August 2018.)

(Students who entered the University prior to August 2018 follow the economics curriculum in place as of August 2015 outlined on page 26 of this guidebook. They may petition to follow the new curriculum.)

To complete a minor in economics, a student must fulfill the following requirements:

1. ECN 101 (Introductory Microeconomics) and ECN 102 (Introductory Macroeconomics). [Students may take ECN 203 instead of ECN 102.]
2. Complete MAT 284 Business Calculus with a grade of C or better before taking ECN 301 and ECN 302.
3. 12 credits of upper division economics courses, including;
 - ECN 301 (or ECN 311) Intermediate Microeconomic Theory
 - ECN 302 Intermediate Macroeconomic Theory
 - Two other upper-division electives in economics (ECN 300 or higher except ECN 301, ECN 302, ECN 311, ECN 470, ECN 495, ECN 496 or ECN 499). In addition, students may NOT use ECN 303 *Microeconomics for Business* for credit towards the economics minor. Students may use all other special topics courses numbered ECN 310 or ECN 410/for credit as an upper-division elective.

TOTAL: 12 Upper-division course credits are required for the economics minor. An overall minimum grade point average of 2.0 is required of **all** courses counted toward the minor in economics.

Students may take ECN 311 *Intermediate Mathematical Microeconomics* instead of ECN 301. The economics faculty recommends ECN 311 to students who like to work with mathematical concepts and have taken calculus at the MAT 295 and MAT 296 levels. Note that only one of ECN 301 **or** ECN 311 counts toward completing the intermediate microeconomics theory requirement for the economics minor.

School of Management majors who minor in economics may substitute FIN 355 *Money and Banking* for ECN 481. Students may not receive credit for both ECN 481 and FIN 355 toward their economics minor.

ECN 365 counts towards the Economics minor (**not major**), however, economics minors will not receive credit for both ECN 365 and ECN 465.

All credits for the minor must be Syracuse University letter-graded coursework, except transfer credit (*Academic Rules and Regulations*). Students may transfer only three (3) credits from another college or university provided they receive prior approval from the Economics Department. To request approval, students must submit a [Transfer Credit Petition to Faculty](#) to the Economics Department in advance of taking the course.

Students interested in pursuing a minor in economics should fill out the [Declaration of Minor](#). The *Declaration of Minor* should include minor courses already taken, as well as those anticipated in future semesters to complete the minor.

See page 48 for more policies and information on transfer credit.

Economics Minor Requirements (as of August 2015)

(Students who entered the University prior to August 2018 follow the curriculum in place as of August 2015. They may petition to follow the new curriculum in place as of August 2018)

To complete a minor in economics, a student must fulfill the following requirements:

4. ECN 203 Economic Ideas and Issues or equivalent;
5. 15 credits of upper division economics courses, including:
 - ECN 301 (or ECN 311) Intermediate Microeconomic Theory
 - ECN 302 Intermediate Macroeconomic Theory
 - Three other upper-division electives in economics (ECN 300 or higher except ECN 301, ECN 302, ECN 311, ECN 470, ECN 495, ECN 496 or ECN 499). In addition, students may NOT use ECN 303 *Microeconomics for Business* for credit towards the economics minor. Students may use all other special topics courses numbered ECN 310 or ECN 410 for credit as an upper-division elective.

TOTAL: 15 Upper-division course credits are required for the economics minor. An overall minimum grade point average of 2.0 is required of **all** courses counted toward the minor in economics.

Students may take ECN 311 *Intermediate Mathematical Microeconomics* instead of ECN 301. The economics faculty recommends ECN 311 to students who like to work with mathematical concepts and have taken calculus at the MAT 295 and MAT 296 levels. Note that only one of ECN 301 **or** ECN 311 counts toward completing the intermediate microeconomics theory requirement for the economics minor.

School of Management majors who minor in economics may substitute FIN 355 *Money and Banking* for ECN 481. Students may not receive credit for both ECN 481 and FIN 355 toward their economics minor.

ECN 365 counts towards the Economics minor (**not major**), however, economics minors will not receive credit for both ECN 365 and ECN 465.

All credits for the minor must be Syracuse University letter-graded coursework, except transfer credit (*Academic Rules and Regulations*). Students may transfer only three (3) credits from another college or university provided they receive prior approval from the Economics Department. To request approval, students must submit a [Transfer Credit Petition to Faculty](#) to the Economics Department in advance of taking the course.

Students interested in pursuing a minor in economics should fill out the [Declaration of Minor](#). The *Declaration of Minor* should include minor courses already taken, as well as those anticipated in future semesters to complete the minor.

See page 48 for more policies and information on transfer credit.

Economics Advisors

Each economics major or minor has an assigned economics faculty member as an advisor. Students should meet with their economics faculty advisers as often as necessary and at least once per semester. You should discuss your academic schedule and plans with your major/minor advisor. Faculty advisers release advising holds during registration periods after meeting with their economics student advisees. Advisors will also help you with graduate school inquiries, career advice, and other academic matters.

Economics Faculty Mentors

To locate your faculty mentor Check for the **initial** of your **last name** and the corresponding professor's name and room location. Office hours change from semester to semester. Email your advisor for appointments outside of their regularly scheduled office hours.

Major Mentors

Student's Initial of Last Name	Mentor	Room Number Email Address
A B D	Elizabeth Ashby	110E Eggers Hall eakerste@syr.edu
C	Andrew Jonelis	319 Maxwell Hall awjoneli@syr.edu
E - G	Carmen Carrión-Flores	119 Eggers Hall cecarrio@syr.edu
H - K	Inge O'Connor	110F Eggers Hall iwoconno@syr.edu
L	Gary Engelhardt	320F Lyman Hall gvengelh@syr.edu
M - N	Michael Lorenzo	316C Maxwell Hall mwlorenz@syr.edu
O - R	Hugo Jales	426 Eggers Hall hbjales@syr.edu
S - V	Eugene Liu	110G Eggers Hall cliu09@syr.edu
W - X	Perry Singleton	426 Eggers Hall psinglet@syr.edu
X - Z	Aron Tobias	129 Eggers Hall adtobias@syr.edu

Minor Mentor

Student's Initial of Last Name	Mentor	Office Number Email Address
A - M	Derek Laing	311 Maxwell Hall dlaing@syr.edu
N - Z	Abdulaziz Shifa	117 Eggers Hall abshifa@syr.edu

Sources of Help and Information

Economics Office

The Economics Department office is located in 110 Eggers Hall and the office staff gladly offer services to all economics majors, minors, and other students as well. The office provides basic advice, forms, curriculum review, graduation requirements, information on departmental activities, and more. Stop by or call at your convenience (315-443-3843).

Normal business hours are: Academic year: Monday through Friday, 8:30 a.m. to 5:00 p.m.; Summer hours: Monday through Friday, 8:00 a.m. to 4:30 p.m.

Economics Student Association

The department sponsors an Economics Association that is open to all majors and minors. Economics students run the Association, and faculty provide advice and guidance. The Association sponsors debates, sessions about careers and graduate school, as well as social evenings. Meetings of the Association afford the opportunity for you to network with your peers and find out more about the major and career opportunities. See the [Economics Student Association](#) web site for meeting announcements. Economics majors and minors receive email messages about Economics Association events. If you have not received messages about events, please send your email address, along with a request to be added to the major / minor listserv, to Ashley DiCarlo aadicalr@syr.edu

Economics Department Newsletter

The department issues a newsletter each semester to inform majors and minors about issues of vital interest to them. The latest issue is also posted on the [Department's website](#). Hard copies are available in the Economics Department 110 Eggers Hall.

Recognition of Academic Performance

Omicron Delta Epsilon Honor Society

Omicron Delta Epsilon Inductees, April 2019



The department will invite outstanding economics majors - based on their scholarly achievement to become lifetime members in the Omicron Delta Epsilon international honor society. The society exists to form an international community of economists. Criteria for selection for the Omicron Delta Epsilon Honor Society include:

- Declared Economics major;
- Junior or senior standing;
- Overall GPA of 3.3 or higher;
- Successful completion of ECN 301 (or ECN 311) and ECN 302;
- Successful completion of at least two upper division ECN courses (300 level or above), excluding ECN 301, ECN 302, ECN 311, ECN 303, ECN 365, and ECN 470;
- Economics GPA of 3.3 or higher calculated from course work taken to date in intermediate theory courses (excluding ECN 203) and upper-division economics electives.

The Economics Department reviews students' academic records each spring semester. It then invites students who meet the above criteria to join Omicron Delta Epsilon. Students who feel they meet the criteria may also contact the Department.

Visit the [Omicron Delta Epsilon](#) web site for more information.

Program of Distinction in Economics

The Economics Department offers a Program of Distinction in Economics under the direction of Professor Perry Singleton for outstanding students in the economics major. The department invites outstanding economics students in their junior year to join the program. A two course sequence taken in the student's senior year, ECN 495 and ECN 496, results in the student researching and writing a thesis under the direction of a faculty advisor. Those students completing the Program who also maintain at least a 3.4 cumulative grade point average graduate with Distinction in Economics. The students' transcripts list the distinction designation after the Economics major as (DPT), along with other honors earned on the basis of grade point average. For more information about the program, see the [Program of](#)

[Distinction in Economics](#) web page. Students with specific questions about the Program should contact the Distinction Program Director in Economics [Professor Perry Singleton](#).

JoAnn Heffernan Heisen Award

The department selects an outstanding graduating student in economics - students apply for the award - to receive the JoAnn Heffernan Heisen award to recognize the student's outstanding academic achievement overall and Economics. The recipient receives a \$500 award.

2017 JoAnn Heffernan Heisen Award Recipient



SunLee Stechuk

Pictured with Chair and Prof. Stuart Rosenthal, and speaker Robert Carroll



Part II



Courses and Descriptions

The following is a list of courses regularly offered that fulfill requirements for the economics major. Some courses are offered every semester, some only in the fall or spring, and some irregularly. Please check the Syracuse University Course Catalog for seasonal offerings of courses.

ECN 101 - Introduction to Microeconomics Consumer demand, theory of production, markets and prices, social welfare, and related topics.

ECN 102 - Introduction to Macroeconomics Introduction to concepts and methods of economic analysis. Emphasis on such macroeconomic topics as gross domestic product, unemployment, money, and theory of national income.

ECN 203 - Economic Ideas & Issues Foundation of modern Western economic thought. The model economists have built on this foundation as applied to current issues facing individuals and society.

ECN 300 - (series on various topics) Exploration of a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Prereq: ECN 203 or ECN 101.

ECN 301 - Intermediate Microeconomics Concepts and tools for the analysis of the behavior of consumers and firms, consumption decisions, market structures, and general equilibrium. Pricing, production, purchasing, and employment policies. Both ECN 301 **and** ECN 311 **cannot** be counted toward the economics major/minor. Credit **cannot** be given for ECN 301 *after* completing ECN 311. In addition, quantitative skills of the liberal arts core is required. Prereq: (ECN 101 **and** ECN 102 **or** ECN 203) and MAT 284.

ECN 302 - Intermediate Macroeconomics National product and income concepts, measurements, and relationships; interrelationships of the major segments of the national economy; forces affecting the general level of economic activity. Prereq: (ECN 101 **and** ECN 102 **or** ECN 203). In addition, quantitative skills of the liberal arts core is required.

ECN 304 - The Economics of Social Issues Application of tools developed in introductory economics to current issues facing society including, but not limited to: crime, education, farm policy, alcohol/tobacco/drugs, the environment, health care, poverty/inequality, immigration and discrimination. Prereq: (ECN 101 **and** ECN 102) **or** ECN 203.

ECN 305 - Economics of Personal Finance This introductory course applies fundamental economic and financial concepts qualitatively to cover aspects of consumer personal finance, including record keeping, banking, saving, borrowing, using credit, investing, insurance, doing taxes, retirement, and end-of-life considerations. Students may **not** receive credit for both ECN 305 **and** FIN 378. Prereq: (ECN 101 **and** ECN 102) **or** ECN 203

ECN 310 - Special Topics in Economics This course covers various topics of economic issues offered as available. Prereq: (ECN 101 **and** ECN 102) **or** ECN 203.

ECN 311 - Intermediate Mathematical Microeconomics Covers the same topics as covered in ECN 301, but the presentation is more mathematical than ECN 301. Required for the B.S. in Economics. Both ECN 301 **and** ECN 311 **cannot** be counted towards the major/minor. Credit

cannot be given for ECN 301 **after** completing ECN 311. Prereq: ((ECN 101 **and** ECN 102) **or** ECN 203) **and** (MAT 295 **and** MAT 296).

ECN 367 - Economics of Globalization Globalization history; trends; trade pattern determinants; gains from trade; protectionism; trade's impact on labor, poverty, environment etc.; foreign direct investment; offshoring; trade policy formulation; trade agreements; fair trade; immigration; arguments for and against "leaner" globalization. Prereq: ECN 203 **or** (ECN 101 **and** ECN 102)

ECN 400 - (series on various topics) Exploration of a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Prereq: (ECN 301 **or** ECN 311) **and** ECN 302).

ECN 410 - Topics in Economic Applications Various topics in economic policy and applications. Repeatable. Prereq: (ECN 301 **or** ECN 311) **and** ECN 302.

Examples of possible topics offered listed below:

- Economic Development
- Topics in Health Economics

ECN 421 - Game Theory and Economic Strategy A choice by one economic agent typically affects other economic agents. This course teaches concepts useful in predicting how agents behave in such strategic situations. The focus is on applications in economics and other areas. Prereq: (ECN 301 **or** ECN 311) **and** (MAT 284 **or** MAT 285 **or** MAT 295 **or** MAT 296).

ECN 422 - Introduction to Statistics and Econometrics Basic theory and application of probability, statistical inference, and regression analysis. Designed to expose the student to the statistical techniques economists use in estimating, testing, and forecasting economic relationships. For Economics B.A. majors. Prereq: (ECN 301 **or** ECN 311) **and** ECN 302.

ECN 431 - Public Economics Theory of the public sector. Government expenditures, revenue, and debt. Intergovernmental fiscal relations. Government contributions to stabilization and growth. Interaction of public and private sectors. Prereq: ECN 301 **or** ECN 311.

ECN 435 - State and Local Public Finance Economic analysis of state and local government structures. Description and equity-efficiency-yield implications of state and local government tax systems. Determinants and consequences of state and local government expenditures. Fiscal federalism. Prereq: ECN 301 **or** ECN 311.

ECN 437 - Environmental and Resource Economics Optimal use of exhaustible and renewable resources and pollution. Examines energy sources, environmental amenities and water. Pollution control policies examined include emissions taxes, tradable permits, direct regulation, subsidies, and negotiation. Valuing environmental quality and other non-marketed goods; risk assessment, hedonic pricing and contingent valuation. Prereq: ECN 301 **or** ECN 311.

ECN 441 - Urban Economics Theoretical and empirical analyses of growth, structure, and resource allocation in urban regions. Selected urban problems: housing and housing finance, poverty, transportational neighborhood degradation, and financing local public services. Prereq: ECN 301 **or** ECN 311.

ECN 443 - Real Estate Economics and Finance Analysis of real estate markets & real estate finance. Consideration of land and mortgage markets; public policies; house price movements. Analysis of mortgage instruments; payment streams, mortgage contracts and risk between lenders and borrowers. Prereq: ECN 301 **or** ECN 311.

ECN 451 - Labor Economics Contemporary theories and issues of public policy concerning labor supply and demand, wage determination, disincentive effects of public transfer payments (e.g. welfare,) unemployment, human capital, and unions. Prereq: ECN 301 **or** ECN 311.

ECN 465 - International Trade Theory and Policy Economic causes and consequences of international trade. Models of trade, gains from trade, tariffs and other controls on trade, and international institutions guiding the trading systems. Prereq: ECN 301 **or** ECN 311.

ECN 481 - Introduction to Money and Banking Financial instruments and structure: commercial banking organization, operation and control of the banking system. Federal Reserve System. Monetary policy and economic stability. Prereq: ECN 302.

ECN 487 - Economic Growth The study of economic growth: models, their applications, and empirical evidence across different countries. Emphasis placed on understanding recent advances in the area: particularly, those pertaining to the nexus between growth and labor market. Prereq: ECN 301 **or** ECN 311.

ECN 495 - Distinction Thesis Seminar in Economics I First semester in a year-long course for economics undergraduate thesis students who are oriented to professional economics research and guided as they define their thesis projects. Senior economic students only. Permission from Instructor.

ECN 496 - Distinction Thesis Seminar in Economics II Second semester in a year-long course for economics undergraduate thesis students who will present ongoing research, constructively engage the work of other thesis writers, and work in cooperation with a faculty mentor to complete research. Senior economic students only. Permission from Instructor.

ECN 500 - (series on various topics) Exploration of a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Prereq: Varies with topic.

ECN 505 - Mathematical Economics Introduction to use of basic mathematical techniques in economic analysis. Required for the B.S. in Economics. Prereq: (ECN 301 **or** ECN 311) **and** (MAT 295 **and** MAT 296).

ECN 510 - Special Topics in Economics Various special topics of economics issues offered as available. Repeatable. Prereq: ECN 301 **or** ECN 311.

Examples of possible topics offered listed below: (Prereq. varies with topic)

- Financial Econometrics
- Stabilization and Growth in Emerging Markets
- Topics in Health Economics

ECN 521 - Economic Statistics Statistical methods applied to economics. Conventional descriptive statistics, conceptual and measurement problems peculiar to economics. Analytical statistics, including time-series analysis, elementary theory of probability and statistical inference, correlation and regression analysis. Nonparametric methods. This course is not suitable for students who have taken six credits of statistics to fulfill their quantitative skills requirement. Quantitative skill requirements of liberal arts core is recommended. Required for the B.S. in Economics. Prereq: ((ECN 101 **and** ECN 102) **or** ECN 203) **and** (MAT 295 **and** MAT 296).

ECN 522 - Econometric Methods Statistical procedures. Problems of estimating parameters in regression models of economic behavior. Required for the B.S. in Economics. Prereq: (ECN 301 or ECN 311) **and** ECN 302 **and** ECN 521.

ECN 566 - International Macroeconomics and Finance Monetary, fiscal, and regulatory consequences of mushrooming international financial markets including equities, bonds, and other securities, commodity and options contracts, and bank deposits and loans. Prereq: ECN 302.

In addition to the above, the following course will fulfill requirements for the economics minor but not the major.

ECN 365 - The World Economy Non-technical introduction to analysis of international economic issues. Protectionism, the multinational firm, the debt crisis, international macroeconomic policy coordination, and European integration. May not be used to satisfy the economics major upper-division elective requirement. Prereq: (ECN 101 **and** ECN 102) **or** ECN 203. (**Does not count toward the economics major**; economics majors should take ECN 465).

The following course is intended for non-majors and does NOT fulfill requirements for the economics major or minor.

ECN 303 - Microeconomics for Business Applies and extends the tools for economic analysis developed in introductory economics to decisions relevant to firms. Topics include optimal production and pricing under perfect and imperfect competition; basic game theoretic approaches to modeling non-cooperative behavior in markets; incentives and basic contract theory, including principal-agent problems; and the economic analysis of markets under asymmetric information, such as insurance markets, with an emphasis on adverse selection and moral hazard. Prereq: (ECN 101 **and** ECN 102) **or** ECN 203. (**Does not count toward the economics major or minor**; economics majors and minors should take ECN 301 **or** ECN 311).

Courses of Study for Students with Particular Interests and Career Goals

Most economics students take a variety of upper-division economic course work. Major advisors can help you select courses consistent with your academic learning and career goals. Some general guidelines follow.

Social Policy

ECN 431 *Public Economics*, ECN 451 *Labor Economics*, and ECN 441 *Urban Economics* discuss aspects of social policy. ECN 431 *Public Economics* issues with health care, social security, and the influence of taxation and social programs on aspects of human behavior are discussed. ECN 451 *Labor Economics* emphasizes on issues in human capital creation through education, participation in the workforce and examines how aspects of social policy influence behavior in the workplace. ECN 441 *Urban Economics* focuses on the choice of residential location within an urban area and social policies used to address problems in these areas.

International Economics

ECN 465 *International Trade Theory and Policy* covers the core topics on international markets and commodity trade among countries. ECN 566 *International Macroeconomics and Finance* examines the flow of finances among countries and the influence it has on the economies of various nations.

Macroeconomics

ECN 481 *Introduction to Money and Banking* examines monetary policy in depth. It also focuses on institutional and economic aspects of the banking system. ECN 566 *International Macroeconomics and Finance* examines the flow of finance among countries and the influences that open economies have on economic outcomes of a national economy. ECN 410 *Economic Growth* explains the forces that propel long-run improvements in average incomes.

Legal Interests

Students interested in law school should take a variety of courses, but can tailor their course work to enhance their economic knowledge of specific aspects of the law. Students interested in international law should take ECN 465 *International Trade Theory and Policy*, future labor lawyers might want to take ECN 451 *Labor Economics*, and nascent tax lawyers should take ECN 431 *Public Finance*.

More Technical Interests

Students interested in working as economists or in furthering their education at the graduate level in economics or public policy should take advantage of the more technical B.S. degree track in economics. See the description of the B.S. degree starting on page 17.



Part III



Faculty 2019-2020



Merima Ali (Ph.D. Wageningen University, The Netherlands, 2012)

Assistant Professor of Economics

Merima Ali is a development economist. Her research focuses on private sector development and taxation. She is also a Senior Researcher at the Chris Michelsen Institute (CMI), Norway. Prof. Ali teaches courses in development and trade.

Elizabeth Ashby (Ph.D. Syracuse, 2006)

Professor of Economics

Elizabeth Ashby has interests in public finance and labor economics. She has taught Economic Ideas & Issues, Intermediate Microeconomics, Intermediate Macroeconomics, Economics for Managers, and Public Economics.

Badi H. Baltagi (Ph.D. University of Pennsylvania, 1979)

Distinguished Professor of Economics

Badi H. Baltagi specializes in econometrics, theoretical and applied. He is an expert on panel data econometrics and spatial econometrics. His applied economics research includes work on rational addiction models for cigarette and alcohol, technical change and factor productivity in airlines and electric utilities, gasoline demand in OECD countries, wage curves, nursing and physicians' labor supply, and gravity models. He teaches econometrics and statistics.

Kristy Buzard (Ph.D. Univ. of California-San Diego, 2012)

Associate Professor of Economics

Kristy Buzard studies contract theory, international trade, and urban and regional economics with a specialization in the political economy of international cooperation and the analysis of institutions. She teaches microeconomics and international economics.

Carmen Carrión-Flores (Ph.D. The University of Arizona, 2007)

Research Assistant Professor of Economics

Carmen Carrión-Flores specializes in environmental economics, regional and urban economics, labor economics, and applied econometrics. She teaches Intermediate microeconomics and environmental and resource economics.

Donald Dutkowsky (Ph.D. SUNY, Buffalo, 1982)

Professor of Economics

Donald Dutkowsky specializes in money and banking and macroeconomics. He received the department's award for outstanding undergraduate teaching in 1992 and for outstanding graduate teaching in 1989.

Gary Engelhardt (Ph.D. MIT, 1993)

Professor of Economics

Faculty Associate, Aging Studies Institute

Melvin A. Eggers Economics Faculty Scholar

Gary Engelhardt studies housing markets and retirement, with a special emphasis on borrowing constraints and saving behavior. He teaches economic statistics and econometrics.

Jerry Evensky (Ph.D. Syracuse, 1984)

Professor of Economics

Jerry Evensky has interests in ethics and economics, and Adam Smith. The department named him outstanding undergraduate teacher in 1989. In 1996, Jerry was named a Laura J. and L. Douglas Meredith Professor. This title is given to a select number of professors in recognition of teaching excellence.

Alfonso Flores-Lagunes (Ph.D. The Ohio State University, 2001)

Professor of Economics

Melvin A. Eggers Economics Faculty Scholar

Alfonso Flores-Lagunes specializes in labor economics and econometrics. His research focuses on the evaluation of public programs—with an emphasis on both policy implications and methodological advances, the economics of education, and spatial econometrics and applications. He teaches courses in labor economics, evaluation of public programs, and econometrics.

William Horrace (Ph.D. Michigan State University, 1996)

Distinguished Professor of Economics

Melvin A. Eggers Economics Faculty Scholar

Director of Graduate Studies

Bill Horrace specializes in econometrics. His research focuses on the measurement of technical production efficiency, the application of multiple comparison procedures to econometric models, and discrete choice models. He teaches courses in statistics, econometrics, and macroeconomics.

Hugo Jales (Ph.D. University of British Columbia, Expected Dec. 2015)

Assistant Professor of Economics

Hugo Jales specializes in labor economics and applied econometrics. His research focuses on the measuring effects of the minimum wage on outcomes such as employment, wage inequality, labor tax revenues and the size of the informal sector. He teaches economic statistics and labor economics.

Andrew Jonelis (Ph.D. University of Kentucky, 2019)

Assistant Professor of Economics

Andrew Jonelis researches economic growth, with a focus on how political institutions shape economic development. He teaches introductory and intermediate macroeconomics.

Leyla Karakas (Ph.D. Johns Hopkins University, 2014)

Assistant Professor of Economics

Leyla Karakas specializes in political economy. Her research focuses on how political institutions such as executive or judicial constraints interact with economic outcomes. She teaches courses in microeconomic theory and has taught game theory and political economics in the past.

Jeffrey D. Kubik (Ph.D. MIT, 1997)

Professor of Economics

Jeffrey Kubik works in the labor economics field and specializes in the effects of government programs on labor supply. He teaches applied microeconomics and labor economic courses.

Derek Laing (Ph.D. Essex, 1990)

Associate Professor of Economics

Derek Laing has interests in macroeconomics, labor economics, and industrial organization. He has taught at Penn State, The University of Illinois at Urbana-Champaign and the University of Wisconsin, Madison. He teaches macroeconomics and courses in applied microeconomics.

Yoonseok Lee (Ph.D. Yale University, 2006)

Associate Professor of Economics

Yoonseok Lee specializes in econometrics, theoretical and applied. His research focuses on semiparametric (dynamic) panel data models, many (weak) instrument problems, model selection in high-dimensional environments, and spatial dependence. For applied topics, he studies social interactions and income polarization. He teaches econometrics and statistics.

Mengxiao (Michelle) Liu (Ph.D. University of Toronto, 2016)

Assistant Professor of Economics

Mengxiao (Michelle) Liu is interested in the organizational behaviors of multinational firms, more specifically, when do firms integrate one another, and when do they choose outsourcing/arm's length transaction. She teaches international trade at the undergraduate and graduate levels.

Eugene Liu (Ph.D. Syracuse, 2006)

Assistant Professor of Economics

Eugene Liu specializes in labor economics, international trade, and economics of innovation and technology. He has taught Principles of Microeconomics, Principles of Macroeconomics, International Trade and Finance, Economics of Innovation and Technology and Development Economics.

Michael Lorenzo (Ph.D. University of Connecticut, 2018)

Assistant Professor of Economics

Michael Lorenzo is an Assistant Teaching Professor in the Department of Economics. His research specializes in the area of open-economy macroeconomics, with an emphasis on country heterogeneity and macroeconomic volatility within currency unions. He teaches Intermediate Macroeconomics, Open-Economy Macroeconomics and International Finance.

Mary E. Lovely (Ph.D. Michigan, 1989)

Professor of Economics

Melvin A. Eggers Economics Faculty Scholar

Mary Lovely specializes in international economics and public finance. Her current research focuses on trade and the environment, with a special focus on China. She received the department's award for outstanding undergraduate teaching in 1996 and was named a Maxwell Professor of Teaching Excellence in 2004.

Jerry Miner (Ph.D. Michigan, 1958)

Professor of Economics (Emeritus)

Jerry Miner has interests in local finance of public education and educational outcomes as well as infrastructure in developing countries.

Devashish Mitra (Ph.D. Columbia University, 1996)

Professor of Economics

Gerald B. and Daphna Cramer Professor of Global Affairs

Devashish Mitra specializes in international economics. His research focuses on international trade, development, and the application of political economy models to international settings. He teaches courses in international trade and development.

Inge O'Connor (Ph.D. Syracuse, 1996)

Professor of Economics

Inge O'Connor's interests include the cross-national comparison of inequality and earnings capacity. She has taught Economic Ideas & Issues, Intermediate Microeconomics and Economics of Social Issues.

Jan Ondrich (Ph.D. Wisconsin, 1983)

Professor of Economics

Jan Ondrich has interests in econometrics and labor economics. His research includes work on labor supply, health care, discrimination and foreign direct investment. He received the department's award for outstanding graduate teaching in 1991. He teaches macroeconomics and econometrics.

Albert Queralto (Ph.D. New York University, 2012)

Visiting Professor of Economics

Albert Queralto's research focuses on monetary policy, the macroeconomic effects of financial crises, and government financial policy. He teaches money and banking.

J. David Richardson (Ph.D. Michigan, 1970)

Professor of Economics and International Relations (Emeritus)

David Richardson has interests in U.S. trade policy and its influence on U.S. workers, firms, and communities. He was named the department's outstanding graduate teacher in 1995. He taught microeconomics and international trade and finance.

Stuart Rosenthal (Ph.D. Wisconsin, 1986)

Professor of Economics, Chair, Dept. of Economics
Maxwell Advisory Board Professor of Economics

Stuart Rosenthal specializes in the study of housing markets, with special emphasis on local variations in taxes and amenities. He teaches microeconomics, urban and regional economics.

Alexander Rothenberg (Ph.D. California, Berkeley, 2012)

Assistant Professor of Economics

Alexander Rothenberg specializes in applied microeconomics with special interest in urban economics. His interests span transport infrastructure, place-based policies, spatial equilibrium models, and local labor markets in both advanced and developing countries. He teaches econometrics and urban economics.

Amy Schwartz (Ph.D. Columbia University, 1989)

Daniel Patrick Moynihan Professor Public Affairs
Professor of Economics and Public Administration and International Affairs

Amy Schwartz specializes in applied microeconomics, focusing on issues in education, state and local public finance and urban and social policy. She teaches courses in public policy and public economics.

Abdulaziz Shifa (Ph.D. Stockholm University, 2013)

Assistant Professor of Economics

Abdulaziz Shifa studies macroeconomics with specialization on economic growth, development and political economy. He is teaching graduate and undergraduate macroeconomics.

Perry Singleton (Ph.D. Maryland, 2007)

Associate Professor of Economics

Perry Singleton specializes in public finance and health economics. He teaches microeconomics and public economics.

Aaron Tóbiás (Ph.D. Yale University, 2016)

Assistant Professor of Economics

Aron Tobias has research interest lying at the intersection of microeconomic theory, public finance, and political economy. His recent work analyzes how free movement of labor across borders affects governments' tax policies. His teaching experience includes graduate-level microeconomics, introductory macroeconomics, and undergraduate tutoring. Currently, he teaches mathematical economics at Syracuse University.

A. Dale Tussing (Ph.D. Syracuse, 1964)

Professor of Economics (Emeritus)

Dale Tussing has interests in health economics and in educational finance and poverty, both in the United States and in Ireland. He received the department's award for outstanding undergraduate teaching in 1990.

Yulong Wang, (Ph.D., Princeton University, 2017)

Assistant Professor, Economics

Yulong Wang specializes in Econometrics, applied econometrics, risk management, and finance. He is teaching Econometric methods and econometrics.

Michael Wasylenko (Ph.D. Syracuse, 1975)

Professor of Economics, Chair, Dept. of Economics

Maxwell Advisory Board Professor of Economics

Michael Wasylenko specializes in public economics. He received departmental awards for outstanding undergraduate teaching in 1993 and outstanding graduate teaching in 1992. He also received the William Wasserstrom Award for Excellence in Graduate Teaching from the College of Arts and Sciences at Syracuse University in 1994.

John M. Yinger (Ph.D. Princeton, 1974)

Trustee Professor of Economics and Public Administration

John Yinger specializes in urban economics, discrimination in housing, and state and local public finance. He received the department's award for outstanding undergraduate teaching in 1994. In 1996, John Yinger received the Chancellor's Citation for Exceptional Academic Achievement. In 2010, he was given the William Wasserstrom Award for Excellence in Graduate Teaching from the College of Arts and Sciences at Syracuse University.

Maria Zhu (Ph.D. Duke University, 2019)

Assistant Professor of Economics



Part IV



Selected Issues and Policies

Academic Honesty

The Economics Department adheres to and strictly enforces the University policy on academic honesty. The text of this policy, found in *Academic Rules and Regulations*, is as follows:

“Syracuse University students shall exhibit honesty in all academic endeavors. Cheating in any form is not tolerated, nor is assisting another person to cheat. The submission of any work by a student is taken as a guarantee that the thoughts and expressions in it are the student’s own except when properly credited to another. Violations of this principle include: giving or receiving aid in an exam or where otherwise prohibited, fraud, plagiarism, the falsification or forgery of any record, or any other deceptive act in connection with academic work. Plagiarism is the representation of another’s words, ideas, programs, formulae, opinions, or other products of work as one’s own either overtly or by failing to attribute them to their true source.” (*Academic Rules and Regulations*.)

Class Codes

Total Credits	Class Code	Literal Description
0-23	1	Freshman
24-53	2	Sophomore
54-83	3	Junior
84-119	4	Senior
120 and above	5	Senior (+119)

Double Major, Dual Degree, Combined Degree

Double Program of Study (Double Major): Two major programs of study pursued simultaneously in the same college or in two separate colleges of the University. Students must fulfill all the requirements for both major programs as well as all other degree requirements of their **home college** only. They are only enrolled in one college (i.e. Management students who add economics as a second major are enrolled in the School of Management and have to fulfill the core requirements of only the School of Management, not the Arts & Sciences core). One degree is conferred. One diploma, signed by the dean of the home college, is awarded. (*Academic Rules and Regulations*)

Dual Degree: Degree programs pursued simultaneously in two separate colleges of the University. Students are enrolled in both colleges and must fulfill the core requirements of both colleges. However, dual degrees are only offered between colleges which have similar core requirements. Colleges offering dual degrees are Arts & Sciences and Education; Arts & Sciences and Public Communication; Information Studies and Management; Management and Public Communications; Public Communications and Information Studies; and Visual & Performing Arts and Education. One

degree is conferred. One diploma, signed by the dean of each college, is awarded. (*Academic Rules and Regulations*)

Combined Degree: May consist of two undergraduate degree programs or an undergraduate and graduate degree program. See the University's *Academic Rules and Regulations* for a list Syracuse University colleges in which faculties have approved combined programs. The following is a synopsis of information in *Academic Rules and Regulations* related to combine degrees.

At the undergraduate level, the degree programs must be in unrelated disciplines and fulfill two different career objectives. Normally, the programs are two different types of degrees (i.e. B.A. and B.S.) Students must fulfill the requirements for both degrees and complete at least 30 credit hours beyond the normal requirement (usually 120) for one degree. The awarding of the second degree may be either concurrent with or subsequent to the awarding of the first.

When one degree is at the undergraduate level and one is at the graduate level, students must completely fulfill the requirements for both degrees. The undergraduate degree is awarded before completion of the graduate degree. Students are accepted for graduate study after completion of the third year of study but do not fully matriculate in the graduate degree until baccalaureate requirements have been met.

Declaration of Major

All students wanting an economics major (**code EC05BA or EC05BS**) must complete a [Declaration of Major](#) and a *Plan of Study* form. Both forms are available on the [Economics Department website](#). The *Declaration of Major* form is the official declaration of major; students are not considered **official** majors until this completed form is submitted to their home college dean's office. The *Plan of Study* is internal to the Department of Economics; its purpose is to give the student and faculty advisors a preliminary plan for completing the major requirements. Both the *Declaration of Major* and the *Plan of Study* must be reviewed and approved in the Economics Department office before the student takes the *Declaration of Major* to his/her home college.

When students are **adding economics as a second major**, they should write both majors on the form. They do not have to go back to the college of their first major for an approval signature for *Plan of Study #1*; where it says "Approval Signature" they should write, "already declared". Under *Plan of Study #2*, they need the signature of the Economics Chair.

When students are **changing their major from something else to Economics**, they should write both majors on the form and write "DELETE" in the "Approval Signature" section for the first major.

Math Sequences for Economics Majors

MAT 183-284: MAT 183 covers finite math (linear algebra, math of finance); MAT 284 is differential calculus with a slight introduction to integral calculus. One is not a prerequisite for the other; students may take these courses in either order. MAT 284 is required for the B.A. degree.

MAT 285-286 and MAT 295-296: These are similar sequences, with the main difference being that MAT 285 and MAT 286 is geared toward the life sciences and MAT 295 and MAT 296 is

geared toward the physical sciences. MAT 285 and MAT 295 are both differential calculus; MAT 286 and MAT 296 are both integral calculus. In both sequences, the first course is a prerequisite for the second. (Note that MAT 295-296 is **required** for the B.S. degree. The MAT 295 and MAT 296 courses provide a better foundation on which to build higher mathematical skills.)

Students should see the Undergraduate Course Catalog for a description of credits given when two different calculus courses are taken from two different sequences.

It is recommended that **students planning to continue their education at the graduate level** take MAT 295 and MAT 296, followed by MAT 397 *Calculus III*. If time and schedule permit MAT 412 *Foundations of Calculus*, and one or two semesters of linear algebra (MAT 331, MAT 531) are also recommended. Please consult with economics faculty about course requirements for graduate school. What is needed depends on where you are applying and the field in which you intend to specialize.

Credits and Grading

Auditing Courses

You may audit courses with instructor approval using the *Grading Option Application* available in the College Dean's Offices, Registrar's Office or the Economics Department office. You must select the audit option by the grading option deadline, and cannot rescind the selection after the deadline. Audited courses are non-credit, do not meet any degree requirements, and are not counted toward enrollment status. Instructors may record a grading symbol of NA instead of AU if you do not meet stated academic or attendance requirements. You will have limited access to SU library resources if you are auditing a class and are not registered for any credit classes for the term. Courses that require a Proposal for Independent Study, studio art or applied music courses offered by the College of Visual and Performing Arts, and University College BPS and LGL courses cannot be audited.

Advanced Placement Credits

Students who have attained a minimum score of 4 on the microeconomics **and** macroeconomics Advanced Placement exams will be awarded credit for ECN 101 **and** ECN 102, respectively. ECN 101 **and** ECN 102 are the only economics courses for which Advanced Placement credit may be substituted.

Flagging Courses

Arts & Sciences students may retake a course for grade improvement. The higher of the two grades is counted in the GPA. For courses retaken more than once, the two earlier grades may be flagged by petition. Flagging, especially when excessive, may have academic consequences. Students are encouraged to speak to their home school/college. Flagging of repeated courses is initiated by the school/college at the conclusion of the semester in which the course was repeated. Additional information on flagging may be found in *Academic Rules and Regulations*.

Incompletes

You may request an Incomplete if you have exceptional circumstances that prevent you from fulfilling all course requirements on time. You will need your instructor's approval, and will need to have completed enough course content to have a grade assigned based on your work to date. An Incomplete is not available if you have not completed enough work on which to base a grade. Check with the appropriate instructor about deferred exams and any other requirements. If you take a leave of absence or are withdrawn from the University, you cannot receive Incompletes for courses in which you were registered.

Complete a [Request for Incomplete Grade](#) form which is an agreement between you and your instructor that specifies the reasons, conditions, and time limit for removing the Incomplete from your record. An Incomplete will calculate as an F in your GPA. As a function of the agreement, your instructor will calculate a grade for you based on work completed to date, counting unsubmitted work as zero. This is the grade you will receive if a "Removal of Incomplete Grade" form is not submitted to the Registrar's Office by the appropriate deadline. [Registrar's Forms Webpage](#)

Transfer Credit Policy

Only courses with grades of C or better will transfer into Syracuse University. Only the credit will transfer; the grade will *not* be counted in the GPA. Grades of C- are not accepted by the College of Arts and Sciences.

A maximum of 66 credits may be transferred from a combination of testing programs and two-year colleges. A maximum 90 credits may be transferred from another four-year college. At no time may the total credit hours transferred from college courses and testing programs exceed 90 hours. (*Academic Rules and Regulations*).

2/3 Rule: At least 2/3 of the upper division course work required for the economics major (ECN 301 (or ECN 311), ECN 302, and the upper division electives) must be Syracuse University letter-graded course work. In practical terms, for the B.A. economics degree, no more than two upper-division economics courses can be taken in transfer. For the B.S. economics degree, three courses may be taken in transfer.

For the economics minor, only one course may be taken in transfer credit.

See page 50 for the required steps in transferring credit for courses taken at another college/university.

Pass/Fail Option

All courses required for the economics major or minor *must* be taken for a letter grade; pass/fail grading is **not** an option. See *Academic Rules and Regulations* for details on the pass/fail options.

School of Management Agreement

Management Courses for Economics Majors

The Whitman School of Management allows declared economics majors to register for one course in the School of Management each semester beginning with the first semester of the sophomore year. Economics majors are required to follow the prerequisite and level restrictions for each course for which they register.

Each semester the Economics Department supplies the School of Management with a list of declared economics majors who are eligible to register for a course. Students who do not appear on the list are asked to supply the School of Management with a **processed** copy of the *Declaration of Major* form or a letter from the Economics Department documenting the declaration of major.

Minoring in Management

Economic majors interested in a business career are encouraged to minor in management. It would also give you access to the Career Center in the School of Management. Please stop by the Office of Undergraduate Programs, School of Management, Suite 215.

FIN 355

Students enrolled in the School of Management may use FIN 355 *Money and Banking* (offered through the School of Management), as one of the 300-level upper-division electives for the economics major (B.A. or B.S.) or economics minor. Non-Management students, however, should take ECN 481 *Money and Banking*. Students may not receive credit for both ECN 481 and FIN 355 toward their economics major.

Alternative Credits:

Internship Credit

All internship credit is **P/F** only and counts as Arts and Science general elective credit. If an [Internship Proposal/Agreement](#) form is used, the student is registered as CIP 470 and may only get a P or F grade. Alternatively, if the student wants the internship to be graded and count as credit, the [Proposal for Independent Study](#) form must be used instead of the *Internship Proposal/Agreement* form. The *Proposal for Independent Study* form must be signed by the department and the Career Services office at 303 University Pl, Suite 235. The student would then be registered for ECN 470 which may be used for Arts and Science elective credit only; ECN 470 **cannot** be used toward the economics major or minor. These credits must be taken with an economics faculty member; graduate students may not sponsor independent studies.

Experience Credit

Students signing up for experience credit (ECN 270 or ECN 470) should use a [Proposal for Independent Study](#) form, filled out in conjunction with their faculty sponsor. Experience credit may be used as **Arts & Sciences elective credit** only; it may not be used to fulfill any economics major or minor requirement. These credits must be taken with an economics faculty member; graduate students may not sponsor experience credit.

Independent Study

University policy allows a student to take up to a maximum of 24 credit hours in any combination of independent study, experience credit, and pass/fail credits. Economics Department policy allows **no more than 3 credits** of Independent Study (ECN 490) to count toward the economics major. These credits must be taken with an economics faculty member; graduate students may not sponsor independent studies. [Proposal for Independent Study](#).

Transferring Credit from Another College/University

To find out if credit will transfer you must...

- Complete a [Transfer Credit Petition](#) in advance. On the form indicate the following:
 - The name of the college or University where you are taking the course.
 - The title and number of the course (as designated by the other school)
 - How many credits the course is worth (NOTE: if the other college or university is on a different calendar system, i.e. quarter hours, the credits will be converted to semester hours upon transferring to SU)
 - How you want the course to transfer, i.e. Core course, major requirements, elective, etc. (if you wish the course to be specifically equivalent to an SU course, please indicate which course).
 - Attach a current syllabus with the Instructor's name to the petition.
- Obtain required signatures (department of major if the course is a major requirement or department of minor if the course is a minor requirement).
- Submit the approved Petition to: College of Arts & Sciences Student Records Office in 323 Hall of Languages.
- It is your responsibility to find out the results of your Petition, we will not notify you.

To receive credit you must...

- Take the course (it must be the one you petitioned)
 - Earn a grade of **C** or better. No pass/fail or courses taken for credit (CR) may transfer.
- Request the institution to send an official transcript to:

Student Records Office
College of Arts & Sciences
323 Hall of Languages
Syracuse University
Syracuse, NY 13244-1170

- Final credit is awarded based upon the information and credit contained on the transcript.

Other things you should know...

- Only the credits will transfer, not the grade.
- Although it normally takes 2-3 business days for a Petition to be reviewed, the large volume we receive and the need to send it to other departments for review could make the turn-around time a little longer. **PLAN AHEAD!**
- Although we have no deadline for when the Petition should be submitted, the other College or University will have registration or financial deadlines. Therefore, keep in mind the time it takes for these Petitions to be reviewed. **PLAN AHEAD!**
- You cannot receive credit for the same course twice. We cannot accept in transfer a course for which you have already received credit at SU. It is considered duplicate credit.
- The Petitions are reviewed on the basis of the course description you submit and the information you provide on the Petition. We do not review your record while reviewing the Petition.

It is your responsibility to know your records.

Other Credit Programs:

Syracuse University - University College

Course sections through University College (UC) are restricted to University College students, but do offer a limited number of seats for Main Campus students. Once the limited seats are filled, registration will not be allowed for Main Campus students. Not until the first day of class will empty restricted seats be released for Main Campus students. For this reason, University College recommends Main Campus students recommend as early as possible.

SU Abroad

Students may study abroad for a full year, a semester, or a summer without interrupting a normal degree program. All SU Abroad programs offer fully accredited Syracuse University courses. Courses taken through SU Abroad will count as Syracuse University credit, and courses numbered at the 400 level **in economics** will count as 400 level economics courses at Syracuse University. Students who plan to take courses toward their economics major while abroad should, however, check with the Economics Department prior to going abroad to be sure the selected courses will in

fact fulfill major requirements. For more detailed information on SU Abroad, students should contact the SU Abroad office, 106 Walnut Place, 443-3471.

Graduation Requirements:

Economics GPA for Graduation

Graduation with an economics major or minor requires a 2.0 GPA in intermediate theory (ECN 301 or ECN 311, and ECN 302) and the upper-division economics courses. While required for the major and minor, the principles and mathematics courses are not calculated in the 2.0 GPA required for the major.

Graduation Process

The Department and its advisors are available for ongoing guidance concerning course selection. **The Department does not regularly audit students' transcripts to verify that all requirements are being met.** This job is handled by academic recorders. Just prior to your graduation there will be a formal audit of your transcript to ensure that you have indeed met all requirements. The department can help you meet major requirements; meet with your major/minor advisor to **request a review** of the requirements for the Economics major/minor. On the Arts and Sciences requirements or those of other schools and colleges, be sure to see your Recorder! Any questions regarding the status of your transcript should be referred to the Registrar's Office, 106 Steele Hall.

Diploma Information

The student's major or minor are not printed on a student's diploma. The diploma reflects only the student's college and degree. (Only the College of Engineering reflects the major on the diploma.) The transcript reports the student's major(s) and the minor(s) that are completed.

Main campus students' diplomas are signed by the dean of the home college and the Chancellor. University College students' diplomas are signed by the Dean of the home college, the University College Dean, and the Chancellor. That is the only difference between University College and main campus diplomas.