RISK MANAGEMENT, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

Program Description

The Risk Management major prepares students for careers in a wide range of private industries and public service agencies involving such areas as operations, property development, financial strategy, and government. The major is integrative in nature by crossing traditional business boundaries while offering specific areas of study in actuarial science, enterprise risk management, and real estate. High profile risks are faced by leaders and managers up and down the corporate ladder and require specialized skills, knowledge and preparation. The Risk Management major prepares students for this along with a chance to study risk from three different perspectives by offering specialty courses along with a common pool of risk management courses. This structure assures that the students in the risk management major are equipped with the common tools of risk analysis while at the same time permitting the students to tailor the specifics of their training through the selection of a particular option.

Actuarial Science Option

The courses in the Actuarial Science option stress the application of mathematical and statistical concepts to the measurement of life and other contingencies, while at the same time giving the student a broad understanding of the business environment. Students in the Actuarial Science option are encouraged to begin the series of professional examinations leading to Associateship and Fellowship in either the Society of Actuaries (A.S.A./F.S.A.) or the Casualty Actuarial Society (A.C.A.S./F.C.A.S.).

Enterprise Management Option

The Enterprise Risk Management Option prepares students to identify, quantify and qualify the regulatory, legal, financial and contractual aspects of enterprise risk; the management of such risks; and the application of risk financing techniques to control risk exposures in organizations. Emphasis is also placed on the understanding of the principles and risks underlying complex business contracts.

Real Estate Option

This option is designed to prepare the student for a wide range of professional opportunities in corporate real estate management, real estate brokerage, appraisal, property management, mortgage lending and banking, development, and governmental service.

What is Risk Management?

Organizations face a wide array of risks in today’s rapidly changing and complex business environment. Operations can be disrupted by a variety of unanticipated factors, ranging from external forces like natural disasters and political risks to internal factors like faulty product design and flawed financial systems. CEOs make risky strategic decisions in an increasingly competitive marketplace where the cost of missteps is high. In recent years, firms have encountered new risks in the form of terrorism, global litigation, and the growing costs of human resources. Corporations and nonprofits have turned to enterprise risk management in an effort to protect themselves from the adverse consequences of all of the above risks.

MORE INFORMATION (https://undergrad.smeal.psu.edu/majors/risk-management)

Entrance to Major

This program currently has administrative enrollment controls. Administrative Enrollment Controls are initiated when limitations of space, faculty, or other resources in a major prevent accommodating all students who request them. Students must follow the administrative enrollment controls that are in effect for the semester that they enter the university.

First-Year Students Entering Summer 2018, Fall 2018, Spring 2019

In order to be eligible for entrance to this major, students must satisfy the following requirements:

- completed 44-59 credits at Penn State (actual credits taken at the University)
- completed with a grade of C or better: ESL 15 or ENGL 15 or ENGL 30, ACCTG 211, FIN 301, MATH 110 or MATH 140 (Enterprise Risk Management and Real Estate options only), MATH 140 and MATH 141 (Actuarial Science option only) MGMT 301, MKTG 301, and SCM 200 or STAT 200
- completed ECON 102
- earned a minimum grade-point average (GPA) of 3.20 in the eight entrance-to-major courses listed above (nine courses for the Actuarial Science option).
- earned a minimum of 3.20 cumulative GPA

Students Who Entered Prior to Summer 2018

Students who entered the University prior to the summer 2018 semester should view the administrative enrollment controls for the semester that they entered the university (http://advising.psu.edu/entrance-major-requirements) on the Academic Advising Portal.

Degree Requirements

For the Bachelor of Science degree in Risk Management, a minimum of 120 credits is required with at least 15 credits at the 400 level:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>11-14</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>73-76</td>
</tr>
</tbody>
</table>

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (http://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.
Foundations (grade of C or better is required.)
- Quantification (GQ): 6 credits
- Writing and Speaking (GWS): 9 credits

Knowledge Domains
- Arts (GA): 6 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 6 credits
- Social and Behavioral Sciences (GS): 6 credits
- Natural Sciences (GN): 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)
- Inter-Domain or Approved Linked Courses: 6 credits

University Degree Requirements

First Year Engagement
All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement
6 credits are required and may satisfy other requirements
- United States Cultures: 3 credits
- International Cultures: 3 credits

Writing Across the Curriculum
3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits
A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work
Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition
The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major
This includes 12 credits of General Education courses: 3 credits of GWS courses; 6 credits of GQ courses; and 3 credits of GS.

To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44).

Common Requirements for the Major (All Options)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 102</td>
<td>Introductory Microeconomic Analysis and Policy</td>
<td>3</td>
</tr>
<tr>
<td>BA 342</td>
<td>Socially Responsible, Sustainable and Ethical Business Practice</td>
<td>3</td>
</tr>
<tr>
<td>BA 411</td>
<td>Analyzing Business and Industry</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 341</td>
<td>Business Law I: Introduction to Contracts, Liability Issues, and Intellectual Property</td>
<td>3</td>
</tr>
<tr>
<td>ECON 104</td>
<td>Introductory Macroeconomic Analysis and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2020</td>
<td>Effective Writing: Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>MIS 204</td>
<td>Introduction to Business Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Prescribed Courses: Require a grade of C or better

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCTG 211</td>
<td>Financial and Managerial Accounting for Decision Making</td>
<td>4</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 301</td>
<td>Basic Management Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 301</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses: Require a grade of C or better

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCM 200</td>
<td>Introduction to Statistics for Business</td>
<td>4</td>
</tr>
<tr>
<td>or STAT 200</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Supporting Courses and Related Areas

<table>
<thead>
<tr>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attainment of 12th credit level proficiency in a single foreign language</td>
<td>4</td>
</tr>
</tbody>
</table>

Requirements for the Option

Select an option 31-34

1 Proficiency must be demonstrated by either examination or coursework.

Requirements for the Option

Actuarial Science Option (34 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>Calculus With Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 231</td>
<td>Calculus of Several Variables</td>
<td>2</td>
</tr>
<tr>
<td>STAT 414</td>
<td>Introduction to Probability Theory</td>
<td>3</td>
</tr>
<tr>
<td>RM 320W</td>
<td>Risk Management and Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RM 410</td>
<td>Financial Mathematics for Actuaries</td>
<td>3</td>
</tr>
<tr>
<td>RM 411</td>
<td>Actuarial Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>RM 412</td>
<td>Actuarial Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td>RM 430</td>
<td>Life and Health Insurance</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses
Intellectual discovery, and to encourage students to take advantage of
advisees identify and achieve their academic goals, to promote their
The objectives of the university's academic advising program are to help

Additional Courses: Require a grade of C or better
RM 401 Fundamentals of Private Pensions 3
or RM 420 Property, Casualty, and Health Insurance
RM 415 Modeling for Actuarial Science 3
or STAT 483 Statistical Programming in SAS

Enterprise Risk Management Option (31 credits)

Prescribed Courses: Require a grade of C or better
BLAW 441 Business Law II: Agency, Employment and Business Structure 3
FIN 406 Security Analysis and Portfolio Management 3
RM 301 Risk and Decisions 3
RM 320W Risk Management and Insurance 3
RM 405 Corporate Risk Management 3
RM 440 Risk, Strategy, and Decision Making 3
SCM 301 Supply Chain Management 3

Additional Courses: Require a grade of C or better
MATH 110 Techniques of Calculus I 4
or MATH 140 Calculus With Analytic Geometry I

Supporting Courses and Related Areas
Select six credits of supporting coursework from an approved department list 6

Real Estate Option (31 credits)

Prescribed Courses: Require a grade of C or better
RM 301 Risk and Decisions 3
RM 330W Real Estate Risk Analysis 3
RM 450 Contemporary Issues in Real Estate Markets 3
RM/FIN 460 Real Estate Financial Analysis 3
RM/FIN 470 Real Estate and Capital Markets 3
SCM 301 Supply Chain Management 3

Additional Courses: Require a grade of C or better
MATH 110 Techniques of Calculus I 4
or MATH 140 Calculus With Analytic Geometry I
Select 3 credits of the following:
FIN 406 Security Analysis and Portfolio Management
RM 420 Property, Casualty, and Health Insurance
RM/BLAW 424 Real Estate Law
RM/BLAW 425 Business and Environmental Regulation
RM 480 International Real Estate Markets

Supporting Courses and Related Areas
Select six credits of supporting coursework from an approved department list 6

Academic Advising

The objectives of the university's academic advising program are to help
advisees identify and achieve their academic goals, to promote their
intellectual discovery, and to encourage students to take advantage of
both in-and out-of class educational opportunities in order that they
become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising
relationship succeed. By encouraging their advisees to become engaged
in their education, to meet their educational goals, and to develop the
habit of learning, advisers assume a significant educational role. The
advisee's unit of enrollment will provide each advisee with a primary
academic adviser; the information need to plan the chosen program of
study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy)

University Park
Advising Center
Smeal College Undergraduate Education
202 Business Building
University Park, PA 16802
814-863-1947
uge@smeal.psu.edu

Suggested Academic Plan
Enterprise Risk Management Option, University Park
Campus and Commonwealth Campuses

The course series listed below provides only one of the many possible
ways to move through this curriculum. The University may make changes
in policies, procedures, educational offerings, and requirements at any
time. This plan should be used in conjunction with your degree audit
(accessible in LionPATH as either an Academic Requirements or What If
report). Please consult with a Penn State academic adviser on a regular
basis to develop and refine an academic plan that is appropriate for you.

First Year
Fall Credits Spring Credits
PSU 6 1 MGMT 301 † 3
ENGL 15 or 30 # † 3 SCM 200 or STAT 200 # † 4
MATH 110 or 140 # † 4 World Language 002 4
ECON 102 † 3 General Education 3
World Language 001 4
15 14

Second Year
Fall Credits Spring Credits
MKTG 301 † 3 FIN 301 † 3
ACCTG 211 † 3 SCM 301 or ENGL 202D † 3
World Language 003 4 CAS 100 ‡ 3
ECON 104 (or General Education) 3 General Education 3
General Education 3
14 15

Third Year
Fall Credits Spring Credits
RM 320W # 3 FIN 406 # 3
SCM 301 or ENGL 202D ‡ 3 BA 342 or BLAW 341 3
BLAW 341 or BA 342 3 RM 301 † 3
MIS 204 3 ECON 104 (or General Education) 3
**Fourth Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLAW 441*</td>
<td>3</td>
<td>RM 405*</td>
<td>3</td>
</tr>
<tr>
<td>RM 440*</td>
<td>3</td>
<td>Two Piece Sequence</td>
<td>3</td>
</tr>
<tr>
<td>BA 411</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>Two Piece Sequence</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>Elective</td>
<td>2</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
<td>15</td>
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<tr>
<td></td>
<td>15</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 120

* Course requires a grade of C or better for the major

† Course satisfies General Education and degree requirement

‡ Course requires a grade of C or better for General Education

# Course is an Entrance to Major requirement

**ADVISING NOTES:**

- It is highly recommended that students at University Park take SCM 301 in their 4th semester.
- It is highly recommended that students at campuses that do not offer SCM 301 take ENGL 202D in their 4th semester.
- Students must complete 12th credit level in a foreign language.
- Credits vary based on skill level.

**Risk Management with the Enterprise Risk Management Option**

**Program Year 2019**

**Course Descriptions**

The following bullets will assist students in navigating the Risk Management Enterprise Risk Management option:

- R M 320W is offered in the fall semester.
- R M 301 and R M 405 are offered in the spring semester.

1. **Take all of the following Accounting courses (6 credits)** - A grade of ‘C or better’ is required in all courses.
   - a. RM 320W
   - b. RM 301

2. **ERM OPTION COURSES - Take the following courses (12 credits)** - A grade of ‘C or better’ is required.
   - a. BLAW 441
   - b. FIN 406  
   - c. RM 405
   - d. RM 440

3. **Select one Two-Piece Sequence from the following list (6 credits)**
   - a. Accounting - Select two courses from the following: ACCTG 404, ACCTG 471, ACCTG 472
   - b. Actuarial Science - R M 410 and R M 411
   - c. Business Law - B LAW 424, B LAW 425, B LAW 441, B LAW 444, B LAW 445, B LAW 496, B LAW 497, B LAW 499
   - d. Business Sustainability - BA 441 and BA 442
   - e. Corporate Benefits - R M 401 and R M 430
   - f. Economics - Select 3 credits of 300/400 level Economics and select 3 credits of 400 level Economics
   - g. Entrepreneurship - MGMT 425 and either MGMT 426 or MGMT 427
h. **Finance** - Select two courses from the following: FIN 305, FIN 406, FIN 408

i. **Information Systems Management** - MIS 301 and MIS 446

j. **International Business** - Select two courses from the following: IB 303, IB 403, IB 404, IB 450, IB 460, IB 470, IB 497 Sustainability & International Business

k. **Management** - MGMT 326 and either MGMT 461 or MGMT 471

l. **Marketing** - Select either MKTG 330 or MKTG 327 and select either MKTG 445 or 422

m. **Mathematics** - MATH 141 and MATH/STAT 414

n. **Real Estate** - RM 303 and RM 450

o. **Statistics** - Select two courses from the following: STAT 461, STAT 432, STAT 463

p. **Supply Chain and Information Systems** - Select two courses from the following: SCM 404, SCM 405, SCM 406

Please Note: In lieu of completing a Two-Piece Sequence, students may complete one of the designated University minors listed below provided the minor has a minimum of six credits of 400-level course work that can be used in the two-piece category according to the course layout in the degree audit system.

**SMEAL COLLEGE MINORS**
- Information Systems Management (ISM)
- International Business (IB)
- Legal Environment of Business (LEBUS)
- Supply Chain and Information Sciences & Technology (SCIST)

**LIBERAL ARTS MINOR OR CONCURRENT MAJOR**
- Economics (ECON)

**COLLEGE OF IST MINOR OR CONCURRENT MAJOR**
- Information Sciences and Technology (IST)

**EBERLY COLLEGE OF SCIENCE MINOR OR CONCURRENT MAJORS**
- Mathematics (MATH)
- Statistics (STAT)

**WORLD LANGUAGE MINORS AND CONCURRENT MAJORS**
- Arabic Language (ARAB)
- Chinese Language (CHNS)
- French and Francophone Studies (FR)
- German (GER)
- Greek (GREEK)
- Hebrew (HEBR)
- Italian (IT)
- Japanese Language (JAPNS)
- Korean Language (KORLG)
- Latin (LATIN)
- Portuguese (PORT)
- Russian (RUS)
- Spanish (SPAN)

**Actuarial Science Option, University Park and Commonwealth Campuses**
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### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSU 6</td>
<td>1</td>
<td>MGMT 301</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 15 or 30*‡</td>
<td>3</td>
<td>SCM 200 or STAT 200#‡</td>
<td>4</td>
</tr>
<tr>
<td>MATH 140*†</td>
<td>4</td>
<td>World Language 002</td>
<td></td>
</tr>
<tr>
<td>ECON 102*†</td>
<td>3</td>
<td>MATH 141#13</td>
<td></td>
</tr>
<tr>
<td>World Language 001</td>
<td></td>
<td>4</td>
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### Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>MKTG 301#3</td>
<td>3</td>
<td>FIN 301#3</td>
<td>3</td>
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<tr>
<td>ACCTG 211#3</td>
<td>4</td>
<td>General Education or ENGL 2020¹</td>
<td>3</td>
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<tr>
<td>World Language 003</td>
<td>4</td>
<td>CAS 100‡</td>
<td>3</td>
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<tr>
<td>MATH 231*</td>
<td>2</td>
<td>STAT 414*</td>
<td>3</td>
</tr>
<tr>
<td>ECON 104 (or General Education)</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
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<td></td>
<td></td>
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### Third Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM 320W*</td>
<td>3</td>
<td>RM 415 or STAT 483*</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>RM 411*</td>
<td>3</td>
</tr>
<tr>
<td>RM 410</td>
<td>3</td>
<td>BA 342 or MIS 204</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 341</td>
<td>3</td>
<td>ECON 104 (or General Education)</td>
<td>3</td>
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<td>General Education or ENGL 2020¹</td>
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<td>General Education (GHW)</td>
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</tbody>
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### Fourth Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM 412*</td>
<td>3</td>
<td>RM 420 or 401*</td>
<td>3</td>
</tr>
<tr>
<td>RM 430*</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>BA 411</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>MIS 204 or BA 342</td>
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<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
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<td>Elective</td>
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<td>15.5</td>
</tr>
</tbody>
</table>

**Total Credits 120**

* Course requires a grade of C or better for the major
‡ Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
† Course satisfies General Education and degree requirement

¹ Course requires a C or better for major and General Education (2nd course only; the first course of the two options does not require a C)

² Course requires a C or better for major (2nd course only; the first course of the two options does not require a C)

³ Course requires a C or better for Entrance to Major
Course requires a C or better for General Education (2nd course ONLY; the first course of the two options does not require a C)

**University Requirements and General Education Notes:**

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

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Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

**Additional Notes:**

In order to promote student academic success, the Smeal faculty has designated the successful completion of specific ‘entrance to major’ courses prior to the beginning of ‘major field’ course work. In order to ensure all students are equally prepared for success, the Smeal College of Business requires that the following ‘entrance to major’ courses must be completed at a Penn State campus: ACCTG 211, MGMT 301, MKTG 301 and FIN 301.

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Please note that pursuant to AACSB accreditation standards, the Smeal College requires that all upper division courses within the departments sponsoring the major be completed in residence at University Park under the instruction of Smeal College faculty.

For example, students in the Risk Management - Actuarial Science major must complete in residence with Smeal College faculty all 300 level and above Risk Management courses.

**Petitions for hardship exceptions from this policy may be made to the Smeal College of Business Associate Dean for Undergraduate Education.**

**Advising Notes:**

- It is highly recommended that students at University Park take SCM 301 in their 4th semester.
- It is highly recommended that students at campuses that do not offer SCM 301 take ENGL 202D in their 4th semester.
- Students must complete 12th credit level in a foreign language. Credits vary based on skill level.

**Risk Management - Actuarial Science Notes:**

- The following bullets will assist students in navigating the Risk Management Actuarial Science option:
  - RM 320W, RM 412, and RM 430 are offered in the fall semester.
  - RM 301, RM 411, RM 401 and RM 420 are offered in the spring semester.
  - In addition to fulfilling all degree requirements, students pursuing professional certification as an actuary should plan their studies according to the following recommendations:
    - Take STAT (MATH) 414 and RM 214 concurrently to help you pass the Society of Actuaries Probability Exam as soon as possible.
    - Complete STAT 462 and STAT 463 with grades of B- or better to meet the SOA Validation by Educational Experience (VEE) requirement.

**Risk Management - Actuarial Science Degree Requirements (ACTSC):**

**Program Year 2019**

**Course Descriptions**

1. **Take all of the following Risk Management - Actuarial Science courses (15 credits)** - A grade of ‘C or better’ is required in all courses
   a. RM 320W
   b. RM 410
   c. RM 411
   d. RM 412
   e. RM 430

2. **Additional Risk Management - Actuarial Science course (3 credits)** - Select three credits from the following; a grade of ‘C or better’ is required in both courses
   a. RM 401
   b. RM 420

3. **Additional Risk Management - Actuarial Science (3 credits)** - Select three credits from the following; a grade of ‘C or better’ is required in both courses
   a. RM 415
   b. STAT 483

4. **Related Area (5 credits)** - Take the following MATH/STAT courses; a grade of ‘C or better’ is required in both courses
   a. MATH (STAT) 414
   b. MATH 231

**Real Estate Option, University Park Campus and commonwealth campuses**

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Credits</th>
<th>Spring</th>
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<tbody>
<tr>
<td>PSU 6</td>
<td>1 MGMT 301 $^3$</td>
<td>3</td>
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<tr>
<td>ENGL 15 or 30 $^f$</td>
<td>3 SCM 200 or STAT 200 $^f$</td>
<td>4</td>
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<tr>
<td>MATH 110 or 14n $^f$</td>
<td>4 World Language 002</td>
<td>4</td>
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<tr>
<td>ECON 102 $^*$</td>
<td>3 General Education</td>
<td>3</td>
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<tr>
<td>World Language</td>
<td>4</td>
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<td></td>
<td>15</td>
<td>14</td>
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<tr>
<td>Second Year</td>
<td>Fall</td>
<td>Credits</td>
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<td>-------------</td>
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<tr>
<td>MKTG 301*3</td>
<td>3 FIN 301#3</td>
<td>3</td>
</tr>
<tr>
<td>World Language 003</td>
<td>4 SCM 301 or ENGL 202D4</td>
<td>3</td>
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<tr>
<td>ACCTG 211#3</td>
<td>4 CAS 100†</td>
<td>3</td>
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<tr>
<td>ECON 104 (or General Education)</td>
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<td></td>
<td>General Education</td>
<td>3</td>
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<th>Third Year</th>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
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<tbody>
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<td>3 BA 342</td>
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<tr>
<td>RM 330W*</td>
<td>3 RM 301*</td>
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<tr>
<td>SCM 301 or ENGL 202D1</td>
<td>3 ECON 104 (or General Education)</td>
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<tr>
<td>MIS 204</td>
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<tr>
<td>General Education</td>
<td>3 General Education (GHW)</td>
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<td></td>
<td>Two Piece Sequence</td>
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<th>Fall</th>
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<th>Spring</th>
<th>Credits</th>
<th>Total Credits 15.5</th>
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<tbody>
<tr>
<td>RM 460*</td>
<td>3 RM 450*</td>
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<tr>
<td>Additional Course*</td>
<td>3 RM 470*</td>
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<td>BA 411</td>
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Total Credits 120

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
‡ Course satisfies General Education and degree requirement
1 Course requires a C or better for major and General Education (2nd course ONLY; the first course of the two options does not require a C)
2 Course requires a C or better for major (2nd course ONLY; the first course of the two options does not require a C)
3 Course requires a C or better for Entrance to Major
4 Course requires a C or better for General Education (2nd course ONLY; the first course of the two options does not require a C)

University Requirements and General Education Notes:

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- Students must complete 12th credit level in a foreign language. Credits vary based on skill level.

Risk Management - Real Estate Notes:

- The following bullets will assist students in navigating the Risk Management Real Estate option:
  - RM 330 and RM 460 are offered in the fall semester
  - RM 301, RM 450 and RM 470 are offered in the spring semester.

Risk Management - Real Estate Option Degree Requirements (REST):

Program Year 2019

Course Descriptions

1. Take all of the following Risk Management courses (15 credits) - A grade of 'C or better' is required in all courses
   a. RM 330W
   b. RM 301
   c. RM 450
d. RM (FIN) 460

e. RM (FIN) 470

2. Select one additional Risk Management course (3 credits) - Select three credits from the following; a grade of ‘C or better’ is required
   a. FIN 406
   b. RM 420
   c. RM (BLAW) 424
   d. RM (BLAW) 425
   e. RM 480
   f. ACCTG 483

3. Select one Two-Piece Sequence from the following list (6 credits)
   a. Accounting - Select two courses from the following: ACCTG 404, ACCTG 471, ACCTG 472
   b. Business Law - B LAW 424, B LAW 425, B LAW 441, B LAW 444, B LAW 445, B LAW 446, B LAW 497, B LAW 499
   c. Business Sustainability - BA 441 and BA 442
   d. Economics - Select 3 credits of 300/400 level Economics and select 3 credits of 400 level Economics
   e. Entrepreneurship - MGMT 425 and either MGMT 426 or MGMT 427
   f. Finance - Select two courses from the following: FIN 305, FIN 406, FIN 408
   g. Hospitality Management - Select two courses from the following: HM 480, HM 482, HM 482
   h. Information Systems Management - MIS 301 and MIS 446
   i. International Business - Select two courses from the following: IB 303, IB 403, IB 404, IB 450, IB 470, IB 497, IB Sustainability & International Business
   j. Landscape Architecture - LARCH 414, LARCH 424
   k. Management - MGMT 326 and either MGMT 461 or MGMT 471
   l. Marketing - Select either MKTG 330 or MKTG 327 and select either MKTG 445 or 422
   m. Risk Management - RM 302 and RM 440
   n. Supply Chain and Information Systems - Select two courses from the following: SCM 404, SCM 405, SCM 406

Please Note: In lieu of completing a Two-Piece Sequence, students may complete one of the designated University minors listed below provided the minor has a minimum of six credits of 400-level course work that can be used in the two-piece category according to the course layout in the degree audit system.

Smeal College Minors
- Information Systems Management (ISM)
- International Business (IB)
- Legal Environment of Business (LEBUS)
- Supply Chain and Information Sciences & Technology (SCIST)

Liberal Arts Minor or Concurrent Major
- Economics (ECON)

College of IST Minor or Concurrent Major
- Information Sciences and Technology (IST)

Eberly College of Science Minor or Concurrent Majors
- Mathematics (MATH)
- Statistics (STAT)

World Language Minors and Concurrent Majors
- Arabic Language (ARAB)
- Chinese Language (CHNS)
- French and Francophone Studies (FR)
- German (GER)
- Greek (GREEK)
- Hebrew (HEBR)
- Italian (IT)
- Japanese Language (JAPNS)
- Korean Language (KORLG)
- Latin (LATIN)
- Portuguese (PORT)
- Russian (RUS)
- Spanish (SPAN)

Contact
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https://php.smeal.psu.edu/smeal/contact/?contactID=ire