

# Science and Agricultural Journalism Advising Checklist

Revised: May 2011

## CAFNR General Education Requirements

### Communications (9 hours)

- English 1000 (3) Grade of B- or higher needed to meet Journalism requirements
- Oral communication: Communication 1200 OR Ag Education 2220 (3)
- Communications elective (3) Choose from the following:

Ag 2190 (Intensive Spanish); Ag Education 2220; SCI\_AGJ 3210, 3240; Communication 1200, 3441, 3572, 3575, 3576; Communication Science and Disorders 1110; Theater 1400; Rural Sociology 2225; Foreign Language; English 2010, 2030

### Mathematics (3 hours)

- Math 1100 or 1120, College Algebra, Grade of C- or better required.

If Math 1100/1120 exempt (ACT score of 28 or higher), you have fulfilled the Mathematics requirement but need 3 additional hours of general elective credit. Prerequisite for Math 1100/1120: Score of 22 or higher on the math component of the ACT or a grade of C- or better in Intermediate Algebra.

### Math Proficiency (2 to 3 hours)

- Recommended course: Educational Statistics, Education and Counseling Psychology 4170 (3)

Under general education program guidelines, a course demonstrating math reasoning proficiency is required of all MU students. These courses have Math 1100/1120 as a prerequisite and are designated "MP" in the schedule of courses.

A grade of C- or better is required. For a complete list of MP courses, see the Undergraduate General Education List:

<http://generaleducation.missouri.edu/requirements/proficiency.html>

### Physical and Biological Sciences (10 to 11 hours)

- Biology 1010, lecture (3) AND o Biology 1020, lab (2) OR o Biology 1030, 1200 or 1500 (5)
- Chemistry 1100 (3) or Chemistry 1310 (2) or Chemistry 1320 (3)
- Chemistry 1330 or Biochemistry 2110, 2112 or higher (3)

### Social and Behavioral Sciences (9 hours)

- Ag Econ 1041, Applied Microeconomics (3) or Econ 1014 (3)
- Ag Econ 1042, Applied Macroeconomics (3) or Econ 1015 (3)
- State Law Requirement: History 1100, 1200, 2210, 2440, 4000, 4220 or 4230 (3) or Political Science 1100 or 2100 (3)

Note: The areas of Math, Physical and Biological Sciences, and Social and Behavioral Sciences make up the "Distribution of Content." You must take a 2000-level or higher course in two of these three areas of content. (Biochem 2112 and Educational Statistics 4170, for instance, would fulfill this requirement.)

### Humanistic Studies and/or Fine Arts (6 hours in addition to Comm 1200 or Ag Ed 2220)

Courses may include: Ag Econ 3241, SCI\_AGJ 3210 or 3240, Ag Ed 2220

For additional Humanities courses, please see the Undergraduate Education list at:

<http://generaleducation.missouri.edu/requirements/dc-306a.pdf> (look for courses with an "H" in the category column)

- ✓ Only 3 credits from applied skills courses allowed (AgJ 3240, for instance)
- ✓ If you take 12 hours of the same foreign language, you may use 6 of those hours as Humanities
- ✓ Courses must be from two different departments (with the exception of the 12 hours of foreign language)

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Please note:

- ✓ One course may not be used to fulfill two requirements.
- ✓ **Two writing intensive (WI) courses are required (must complete with a C- or higher).**
- ✓ **At least one of the WI courses must be at the 3000 level.**
- ✓ Total hours required for a BS from CAFNR: 128. Minimum of 50 hours at the 2000-level or above; of those, 24 hours must be at the 3000-level or above.
- ✓ 32 hours of CAFNR courses required.

Questions? Contact:

Sharon Wood-Turley at 573-882-7645 or [swt@missouri.edu](mailto:swt@missouri.edu)

### Requirements Specific to Agricultural Journalism

#### Sci&Ag Journalism (required courses, 6 hours)

- 1160 Introduction to Agricultural Journalism (3) Fall only
- 4970 Agriculture and the Media, Senior Capstone (3) grade of C- or higher required

#### Sci&Ag Journalism elective credit:

- 2150/3385 Problems (1 to 3) Can be used for CAFNR Corner Post or individual projects
- 2940/4940 Internship (1 to 3) Must be approved by adviser and program leader.
- 3201 Topics in Agricultural Journalism (1 to 3)  
Topics vary, and some may be used as Journalism electives with instructor's permission. Check with your adviser.
- 3210 Fundamentals of Communication (3) WI
- 3240 Communicating on the Web (3)
- 4301 Topics in Agricultural Journalism (1 to 3, same descripton as AgJ 3201)
- 4414 Field Reporting (3) Fall only, Eight-week course with weekend field trip required

#### Journalism (42 hours)

As an Agricultural Journalism major, you may either focus your studies in one interest area (see page 5), **OR** you may take this set of required courses plus 18 hours of Journalism electives:

- 1100 Principles of American Journalism (3)
- 2000 Cross Cultural Journalism (3)
- 2100 News (3) WI
- 2150 Fundamentals of Multimedia Journalism (3)
- 4400 Editing (2)
- 4200 Principles of Strategic Communication (3)
- 4450 Reporting (3)
- 4000 Communications Law (3)
- 4408 or 4406 Magazine or Newspaper Editing (3)

Journalism electives (18)

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#### Science and Agricultural Journalism Tracks (18 hours)

Select from the following (see pages 3 - 5 for track details):

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| <input type="checkbox"/> Food and Wine             | <input type="checkbox"/> Conservation/Environmental Studies |
| <input type="checkbox"/> Agricultural Marketing    | <input type="checkbox"/> Agricultural Science               |
| <input type="checkbox"/> Other (approval required) | <input type="checkbox"/> Science                            |

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General Electives (23 to 26 hours)

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**New! Study Abroad specifically designed for Science and Agricultural Journalism students:**  
 Writing about Nature and Society in the Developing World (6)  
 JOURN 4650 International Issues Reporting and  
 HIST 2004 Topics in History-Social Science

#### Journalism Interest Areas:

Effective Fall 2010, there are 25 interest areas. For requirements, visit: [journalism.missouri.edu/news/2010/05-26-new-curriculum.html](http://journalism.missouri.edu/news/2010/05-26-new-curriculum.html)

**All students are required to take 12 hours of lower-level Journalism courses: J1100, J2000, J2100 and J2150.**

- ✓ Prerequisites for J1100: Must have completed 15 credit hours and must have a 2.75 MU GPA.
- ✓ Prerequisites for J2000: Must have completed J1100 with a grade of C- or better and must have a 2.8 MU GPA. T
- ✓ Prerequisites for J2100: Must have completed J1100 with a grade of C- or better, and must have completed English 1000 with a grade of B- or better. Must have a 2.8 MU GPA.
- ✓ Prerequisites for J2150: Must have completed J2100 with a grade of C- or better. Should be taken the semester you will be completing 60 credits. Must have a 2.8 MU GPA.
- ✓ To enroll in 4000-level Journalism courses, you must have a 3.0 GPA and 60 hours complete.
- ✓ Must earn a grade of C- or higher in all Journalism courses.
- ✓ Must complete J1100, J2000, J2100 and J2150 before you can enroll in other journalism courses.

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## Science and Agricultural Journalism Track Options

### Food and Wine Track (18 hours)

Note: A background in basic biology (1010 and 1020) and chemistry (1100) is a prerequisite.

Required courses (6 hours):

- SCI\_AGJ 4301, Topics: Will Write for Food ... and Wine (3, Fall only)
- Food Sci 1030, Introduction to Food Science (3)

Choose 12 hours from the following:

#### Commodity Courses

- Food Sci 2131 – Dairy Products Evaluation (2, Spring only)
- Food Sci 3190, Study Abroad: Meat, Dairy and Enology (3)
  - New Zealand: Winter Intersession 2009/10, 2012/13
  - Germany: May Intersession 2011, 2014
- Food Sci 3214, Principles of Meat Science (3, Fall only)
- Food Sci 3231, Principles of Dairy Science (3, Spring only)
- Food Sci 4199, Seminar in Food Industry Production (1, Fall only)

#### Enology Courses

- Food Sci 1010, Intro to Viticulture and Enology (1, Spring only)
- Food Sci 2195, Grapes and Wines of the World (3, Fall only)
- Food Sci 4301, Topics: Principles of Wine Production (4, every other Fall beginning 2010)
- Food Sci 4301, Topics: Principles of Wine Cellar Operation (4, every other Spring beginning 2011)
- Food Sci 3240, Viticulture I (4, every other Fall)
- Food Sci 4340, Viticulture II (4, every other Spring beginning 2012)

#### Hotel and Restaurant Management Courses

- HRM 1133, Hospitality Law (3)
- HRM 3153, Food Service Operation Management (3)
- HRM 3233, Professional Beverage (must be 21 years of age) (3)

### Conservation/Environmental Studies Track (18 hours)

Required courses (6 hours):

- Natural Resources 1060, Ecology and Conservation of Living Resources (3, Fall only)
  - or: Natural Resources 1070, Ecology and Renewable Resource Management (3, Spring only)
- Natural Resources 2160, Contemporary Issues in Natural Resources (3, Fall only)
- Agricultural Economics 2070, Environmental Economics and Policy (3, Spring only)

Plus, an additional 9 hours from the following:

- Atmospheric Science 1050, Introduction to Meteorology (3)
- Atmospheric Science 3600, Climates of the World (3)
- Environmental Science 1100, Introduction to Environmental Science (freshmen/sophomores only) (3)
- Environmental Science 3290, Soils and the Environment, WI, (3)
- Fisheries and Wildlife 3400, Water Quality and Natural Resources Management (3)
  - (note: Chem 1310 and NatRes 1070 required, or instructor's consent)
- History 3420, America's Environmental Experience (3)
- Rural Sociology 4370, Environment and Society (3)
- Soil Science 2100, Introduction to Soils (3)
  - (recommended: Soil Science 2106, lab, to be taken concurrently or after 2100)

**Agricultural Marketing Track (18 hours)**

Required courses (in addition to Ag Econ 1041 and 1042) 9 hours:

Ag Econ 2183, The Ag Marketing System (3)

Ag Econ 2223, Sales (3)

Ag Econ 3283, Fundamentals of Entrepreneurship (Acct 2036 or instructor permission required) (3)

Choose three courses from the following:

Ag Econ 3224, New Products Marketing (3)

Ag Econ 3272, International Food Trade and Policy (3)

Ag Econ 3282, Agribusiness Finance (Acct 2037 required) (3)

Ag Econ 3256, Ag and Biotech Law (3)

Ag Econ 3286, Economics of Managerial Decision Making (3)

Ag Econ 4971, Agribusiness Management Strategy (3)

Ag Econ 4972, Agri-Food Business and Cooperative Management (3)

(note: Ag Econ 2183, 3256, 3286, 4971 required)

**Agricultural Science Track (18 hours)**

Select two from each of the following categories for a total of 18 hours:

**Plant Science:**

Plant Science 2100, Introduction to Soils (3)

Plant Science 2110, Plant Growth and Culture (3)

Plant Science 3710, Introduction to Entomology (Bio 1010 and 1020 required ) (3)

Plant Science 3213, Genetics of Ag Plants and Animals (Bio 1010 and 1020, and Math 1100 required)

**Animal Science:**

Animal Science 1011, Animal Science (3)

Animal Science 1065, Animal Science Lab Practicum (3)

Animal Science 2110, Global Animal Agriculture (3)

Animal Science 2175, Introduction to Monogastric Production (AnSci 1065 required) (3)

Animal Science 2114, Live Animal Meat Evaluation (3)

Animal Science 2165, Introduction to Ruminant Livestock Production (AnSci 1065 required) (3)

**Food Science:**

Food Science 1030, Food Science and Nutrition (3)

Food Science 2114, Meat Classification, Grading and Judging (same as AnSci 2114) (3)

Food Science 2172, Elements of Food Microbiology (sophomore standing required) (3)

Food Science 3214, Principles of Meat Science (3)

Food Science 4344, Processing Muscle Foods (Food Sci 3214 and one Chemistry course required) (3)

## Science Journalism Track (18 hours)

Required courses (9 hours):

- SCI\_AGJ 4301, Topics: Explaining Research: The Art and the Craft (3)
- SCI\_AGJ 4414, Field Reporting on the Food System and Environment (3, Fall only)
- SCI\_AGJ 4301, Topics: Current Issues in Science Journalism (3)

Plus, an additional 9 hours from the following or courses in the Agricultural Science Track):

- SCI\_AGJ 3385, Problems: Readings in Science Journalism (1)
- SCI\_AGJ 4301, Topics: Reporting on Natural Resources and Wildlife: Sandhill Cranes (1)
- Atmospheric Science 1050, Introduction to Meteorology (3)
- Atmospheric Science 3600, Climates of the World (3)
- Biosci 3050, Genetics and Society (3)
- English 4045, The Rhetoric of Scientific Texts (3)
- Environmental Science 1100, Introduction to Environmental Science (freshmen/sophomores only) (3)
- Food Sci 1030, Introduction to Food Science (3)
- Geol 1050, Planet Earth (3)
- Geol 2300, Earth Systems and Global Change (3)
- Natural Resources 1060, Ecology and Conservation of Living Resources (3, Fall only)
  - or: Natural Resources 1070, Ecology and Renewable Resource Management (3, Spring only)
- Physcs 1050, Concepts in Cosmology (3)
- Physcs 1100, Science and Inventions (1)
- Physcs 1150, Concepts of Physics—Physics for Poets (3)
- Psych 2210, Mind, Brain and Behavior (3)
- Rural Sociology 2225, Science, Technology and Society (3)
- Sociology 3460, Technology and Society (3)
- Soil Science 2100, Introduction to Soils (3)
  - (recommended: Soil Science 2106, lab, to be taken concurrently or after 2100)