

Rules of Department of Economic Development

Division 30—Missouri Board for Architects, Professional Engineers and Land Surveyors Chapter 14—Definitions

Title	Page
4 CSR 30-14.010 Definition of Degree as Used in Section 327.221, RSMo (Rescinded September 30, 1999)	3
4 CSR 30-14.020 Definition of Baccalaureate Degree From Approved Curriculum as Work as Used in Section 327.312.1(1), RSMo.....	3
4 CSR 30-14.030 Definition of Twenty Semester Hours of Approved Surveying Course Work as Used in Section 327.312.1(2), RSMo.....	3
4 CSR 30-14.040 Definition of Twelve Semester Hours of Approved Surveying Course Work as Used in Section 327.312.1(3), RSMo.....	3
4 CSR 30-14.050 Definition of Degree in Science as Used in Section 327.391, RSMo	3
4 CSR 30-14.060 Definition of Final Year of Study as Used in Section 327.241.4, RSMo	3



**Title 4—DEPARTMENT OF ECONOMIC DEVELOPMENT
Division 30—Missouri Board for Architects, Professional Engineers and Land Surveyors
Chapter 14—Definitions**

4 CSR 30-14.010 Definition of Degree as Used in Section 327.221, RSMo (Rescinded September. 30, 1999)

AUTHORITY: section 327.041, RSMo Supp. 1989. Original rule filed Oct. 13, 1982, effective Jan. 13, 1983. Amended: Filed Sept. 4, 1992, effective April 8, 1993. Rescinded: Filed March 2, 1999, effective Sept. 30, 1999.

4 CSR 30-14.020 Definition of Baccalaureate Degree From Approved Curriculum as Used in Section 327.312.1(1), RSMo

PURPOSE: This rule provides a clear definition of the words baccalaureate degree from an approved curriculum as those words are used in section 327.312.1(1), RSMo.

(1) The approved curriculum for a baccalaureate degree as it applies to admission to the land surveyor-in-training program shall be deemed acceptable if the candidate holding the degree has achieved all of the credits in college level courses in accordance with the following table:

General Title	Representative Course Titles	Semester Hours
Mathematics	Trigonometry, Algebra, Analytic Geometry, Calculus, Statistics	12
Communications	Technical Writing, Speech	3
Legal Aspects of Boundary Survey	Legal Principles of Surveying, Missouri Surveying Law, Legal Principal and Boundary Control, Legal Aspects of Surveying	2
Science	Physics, Geology, Astronomy, Dendrology, Computer Science, Remote Sensing, Graphics	12
Surveying (A)	Surveying I, Surveying II, Land Surveying, Land Survey Systems, Fundamentals of Surveying, Advanced Surveying, Electronic Surveying, Data Adjustment	6
Surveying (B)	Subdivision Planning and Layout, Hydrographic Surveying, Photogrammetric Surveying, Route and Construction Surveying, Engineering and Geodetic Astronomy, Topographic Surveying, Cartographic Surveying	4

(2) Correspondence course work will be considered as college level courses only if they have been accepted for credit toward a degree by an Accreditation Board for Engineering and Technology (ABET)-approved curriculum.

AUTHORITY: section 327.041, RSMo 1986. Original rule filed Jan. 12, 1984, effective April 12, 1984.*

**Original authority 1967, amended 1981, 1986, 1989.*

4 CSR 30-14.030 Definition of Twenty Semester Hours of Approved Surveying Course Work as Used in Section 327.312.1(2), RSMo

PURPOSE: This rule provides a clear definition of the words twenty semester hours of approved surveying course work as those words are used in section 327.312.1(2), RSMo.

(1) The approved curriculum for a person applying for admission to the land surveyor-in-training program and who has at least sixty (60) semester hours of college level courses shall be in accordance with the following table:

General Title	Representative Course Titles	Semester Hours
Mathematics	Trigonometry, Algebra, Analytic Geometry, Calculus, Statistics	8
Communications	Technical Writing, Speech	3
Legal Aspects of Boundary Survey	Legal Principles of Surveying, Missouri Surveying Law, Legal Principal and Boundary Control, Legal Aspects of Surveying	2
Science	Physics, Geology, Astronomy, Dendrology, Computer Science, Remote Sensing, Graphics	9
Surveying (A)	Surveying I, Surveying II, Land Surveying, Land Survey Systems, Fundamentals of Surveying, Advanced Surveying, Electronic Surveying, Data Adjustment	12
Surveying (B)	Subdivision Planning and Layout, Hydrographic Surveying, Photogrammetric Surveying, Route and Construction Surveying, Engineering and Geodetic Astronomy, Topographic Surveying, Cartographic Surveying	6

(2) Correspondence course work will be considered as college level courses only if they have been accepted for credit toward a degree by an Accreditation Board for Engineering and Technology (ABET)-approved curriculum.

AUTHORITY: section 327.041, RSMo 1986. Original rule filed Jan. 12, 1984, effective April 12, 1984.*

**Original authority 1967, amended 1981, 1986, 1989.*

4 CSR 30-14.040 Definition of Twelve Semester Hours of Approved Surveying Course Work as Used in Section 327.312.1(3), RSMo

PURPOSE: This rule provides a clear definition of the words twelve semester hours of approved surveying course work as those words are used in section 327.312.1(3), RSMo.

(1) The approved surveying course work as it applies to admission to the land surveyor-in-training program without either a baccalaureate or associate degree-type program shall be deemed acceptable if the candidate has achieved all the credits in college level courses in accordance with the following table:

General Title	Representative Course Titles	Semester Hours
Surveying (A)	Surveying I, Surveying II, Land Surveying, Land Survey Systems, Fundamentals of Surveying, Advanced Surveying, Surveying Astronomy, Surveying Calculations, Boundary Surveying, Computers in Surveying, Electronic Surveying, Data Adjustment	10
Legal Aspects of Boundary Survey	Legal Principles of Surveying, Missouri Surveying Law, Legal Principal and Boundary Control, Legal Aspects of Surveying	2

(2) Correspondence course work will be considered as college level courses only if they have been accepted for credit toward a degree by an Accreditation Board for Engineering and Technology (ABET)-approved curriculum.

AUTHORITY: section 327.041, RSMo 1986. Original rule filed Jan. 12, 1984, effective April 12, 1984.*

**Original authority 1967, amended 1981, 1986, 1989.*

4 CSR 30-14.050 Definition of Degree in Science as Used in Section 327.391, RSMo

PURPOSE: This rule provides a clear definition of the words degree in science as those words are used in section 327.391, RSMo.

The words degree in science as they are used in section 327.391, RSMo are deemed by the board to be a degree comparable to a baccalaureate degree in physics, geology, chemistry, computer science, engineering physics or engineering science.

AUTHORITY: section 327.041, RSMo 1986. Original rule filed Jan. 12, 1984, effective April 12, 1984.*

**Original authority 1967, amended 1981, 1986, 1989.*

4 CSR 30-14.060 Definition of Final Year of Study as Used in Section 327.241.4, RSMo

PURPOSE: This rule provides a definition of the phrase "final year of study" as that phrase is used in section 327.241.4, RSMo.

As used in section 327.241.4, RSMo, the board considers the phrase "final year of study" to be referring to those students who hold senior status in an engineering program



which is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology.

AUTHORITY: section 327.041, RSMo Supp. 1998. Original rule filed March 2, 1999, effective Sept. 30, 1999.*

**Original authority: 327.041, RSMo 1969, amended 1981, 1986, 1989, 1993, 1995.*