

# STATISTICS, MS

**Requirements for Students Matriculating in or before Academic Year 2021-2022.** Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

## Thesis Option

Total Hours: 36

Code	Title	Hours
<b>Required Courses</b>		
STAT 5013	Statistics for Experimenters I	3
STAT 5023	Statistics for Experimenters II	3
STAT 5063	Statistical Machine Learning with R	3
STAT 5193	SAS and R Programming	3
STAT 5123	Probability Theory	3
STAT 5223	Statistical Inference	3
STAT 5303	Experimental Designs	3
STAT 5323	Theory of Linear Models I	3
STAT 5333	Theory of Linear Models II	3
	Select a three-hour graduate-level course, excluding those with STAT or MATH prefixes. <sup>1</sup>	3
<b>Hours Subtotal</b>		<b>30</b>
<b>Thesis</b>		
	Select 6 hours	6
<b>Hours Subtotal</b>		<b>6</b>
<b>Total Hours</b>		<b>36</b>

<sup>1</sup> The following courses will NOT be allowed to count toward this outside course: AGECE 5103, BAE 5513, ECON 4213, IEM 5003, IEM 5133, PSYC 5303, PSYC 5313, REMS 5013, REMS 5953, REMS 6003, REMS 6013.

## Formal Report

Total Hours: 32

Code	Title	Hours
<b>Required Courses</b>		
STAT 5013	Statistics for Experimenters I	3
STAT 5023	Statistics for Experimenters II	3
STAT 5063	Statistical Machine Learning with R	3
STAT 5193	SAS and R Programming	3
STAT 5123	Probability Theory	3
STAT 5223	Statistical Inference	3
STAT 5303	Experimental Designs	3
STAT 5323	Theory of Linear Models I	3
STAT 5333	Theory of Linear Models II	3
	Select a three-hour graduate-level course, excluding those with STAT or MATH prefixes. <sup>1</sup>	3
<b>Hours Subtotal</b>		<b>30</b>
<b>Formal Report</b>		
	Select 2 hours	2

<b>Hours Subtotal</b>	<b>2</b>
<b>Total Hours</b>	<b>32</b>

<sup>1</sup> The following courses will NOT be allowed to count toward this outside course: AGECE 5103, BAE 5513, ECON 4213, IEM 5003, IEM 5133, PSYC 5303, PSYC 5313, REMS 5013, REMS 5953, REMS 6003, REMS 6013.

## Creative Component

Total Hours: 36

Code	Title	Hours
<b>Required Courses</b>		
STAT 5013	Statistics for Experimenters I	3
STAT 5023	Statistics for Experimenters II	3
STAT 5063	Statistical Machine Learning with R	3
STAT 5193	SAS and R Programming	3
STAT 5123	Probability Theory	3
STAT 5223	Statistical Inference	3
STAT 5303	Experimental Designs	3
STAT 5323	Theory of Linear Models I	3
STAT 5333	Theory of Linear Models II	3
	Select a three-hour graduate-level course, excluding those with STAT or MATH prefixes. <sup>1</sup>	3
<b>Hours Subtotal</b>		<b>30</b>
	Select 6 hours of approved coursework to include a Creative Component	6
<b>Hours Subtotal</b>		<b>6</b>
<b>Total Hours</b>		<b>36</b>

<sup>1</sup> The following courses will NOT be allowed to count toward this outside course: AGECE 5103, BAE 5513, ECON 4213, IEM 5003, IEM 5133, PSYC 5303, PSYC 5313, REMS 5013, REMS 5953, REMS 6003, REMS 6013.

## Graduate College Master's Program Requirements

Learn more about Graduate College 2021-2022 Master's Degree Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.