

## MCS PROGRAM WORKSHEET | 2017-2018

Name \_\_\_\_\_ Date \_\_\_\_\_

Multiple Major \_\_\_\_\_ Graduation (year/qtr) \_\_\_\_\_

Honors \_\_\_\_\_ Co-Term \_\_\_\_\_ Total Major Units (77 or more) \_\_\_\_\_

**MATHEMATICS** (28 Units) Notes:

Required: 41/42\*, 19/20/21 or AdvPlacement

**1 each of the following**

51/51H/61CM/61DM

52/52H/62CM/62DM

53/53H/63CM/63DM

**and** 104 **or** 113

**COMPUTER SCIENCE** (22-24 Units) Notes:

103

106A<sup>1</sup>

**and EITHER**

106B or 106X

**and 2 of the following:**

107

154

161

CME 108

181W (WIM)

**MANAGEMENT SCIENCE & ENGINEERING** (7-12 Units) Notes:

**Both** 111X/211X &

221

**or 3 of the following:**

111/211

111X/211X

121

213

221

251

**STATISTICS** (11-12 Units) Notes:

116<sup>2</sup>

200

**and** 191 **or** 203

**WRITING IN THE MAJOR (WIM)** (3-4 Units) Notes:

MATH 109 - Applied Group Theory (WIM)

MATH 110 - Applied Number Theory & Field Theory (WIM)

MATH 120 - Groups and Rings (WIM)

MATH 171 - Fundamental Concepts of Analysis (WIM)

CS 181W - Computers, Ethics & Public Policy (WIM)

STATS 155 - Statistical Methods in Computational Genetics (WIM) (*instructor consent*)

**ELECTIVES** Nine (9) units from at least 2 different departments; see Program Sheet for choices.

<sup>1</sup> If AP CS replaces CS 106A, select 5 additional CS units.

<sup>2</sup> Students who have already taken CS 109, are required to take STATS 217 to fulfill statistics probability unit requirement as a replacement for STATS 116. Other changes require approval of advisor.

\* MATH 41/42 is no longer being offered – if necessary, replace with MATH 19, 20, 21