Entry Date of Proposal: __________________

Name: ________________________________

Anticipated Graduation Month/Year: ______

Program Goals: ______________________

Five Subjects from DMSE Core (at least 60 units):

- 3.012 - Fundamentals of Materials Science & Engineering (15)
- 3.016 - Mathematical Methods for Materials Science & Engineering (12) \(^1\)
- 3.022 - Microstructure Evolution in Materials (12)
- 3.024 - Electronic, Optical and Magnetic Properties of Materials (12)

Laboratory Subject:

- 3.014 Materials Laboratory (CI-M)

CI-M Subjects: (refer to list online)

- 3.014 Materials Laboratory (CI-M)

Three DMSE restricted elective subjects (36 units):

- 3.004 Principles of Engineering Practice
- 3.016 Mathematical Methods for Materials Scientists and Engineers \(^2\)
- 3.017 Modelling, Problem Solving, Computing, and Visualization
- 3.021 Introduction to Modeling and Simulation \(^2\)
- 3.046 Thermodynamics of Materials
- 3.048 Advanced Materials Processing
- 3.052 Nanomechanics of Materials and Biomaterials
- 3.053 J Molecular, Cellular, and Tissue Biomechanics
- 3.054 Cellular Solids: Structure, Properties, Applications
- 3.055 J Biomaterials Science and Engineering
- 3.063 Polymer Physics
- 3.064 Polymer Engineering
- 3.07 Introduction to Ceramics
- 3.071 Amorphous Materials
- 3.072 Symmetry, Structure and Tensor Properties of Materials

Six elective subjects supporting program goals\(^3\): (write subject number and title)

1. __________________________
2. __________________________
3. __________________________

Student Signature __________________________

Date: __________________________

Proposal Status: [ ] Approved [ ] Not Approved

DMSE UG Committee Chair Signature __________________________

Date: __________________________

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\(^1\) 18.03 or 18.034 Differential Equations is also an acceptable option.

\(^2\) These subjects may count as part of the required subjects or as restricted electives, but not both.

\(^3\) Students must develop a program of six elective subjects appropriate to their stated goals.

Please submit 3A Proposal form to the DMSE Academic Office (6-107) once the form is complete for review.