Blueprint for Instruction and Assessment

Engineering

15.0000.00

Domain	Related Standards	Instructional Time
Domain 1 Engineering Math and Science Principles	**STANDARD 3.0** APPLY MATHEMATICAL LAWS AND PRINCIPLES RELEVANT TO ENGINEERING TECHNOLOGY **STANDARD 4.0** APPLY SCIENTIFIC LAWS AND PRINCIPLES RELEVANT TO ENGINEERING TECHNOLOGY	45-50%
Domain 2 Engineering Tools	**STANDARD 2.0** CREATE ENGINEERING SOLUTIONS BY APPLYING A STRUCTURED PROBLEM-SOLVING/DECISION-MAKING PROCESS **STANDARD 5.0** APPLY TECHNOLOGY AND TOOLS TO ENGINEERING SOLUTIONS	30-40%
Domain 3 Engineering Project Management	**STANDARD 6.0** APPLY COMMUNICATION SKILLS TO ENGINEERING PROJECTS **STANDARD 7.0** APPLY PROJECT MANAGEMENT TOOLS AND TECHNIQUES TO ENGINEERING SOLUTIONS	20-25%
Domain 4 Engineering in a Global Society	**STANDARD 1.0** INVESTIGATE THE FIELD OF ENGINEERING TO ADDRESS THE NEEDS OF A GLOBAL SOCIETY	5-10%

Content domains are bodies of knowledge, skills, or abilities to be taught or assessed. They illustrate the relationship among technical standards, instructional time, and student success on the Technical Skills Assessment. This blueprint corresponds with the technical standards endorsed on January 27, 2021.