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## SOILS & SITE WORK

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**CST-231**      **Soils & Site Work**      **4 (3-2)**      **Fall**

**Prerequisites:** MAT-121<sup>S</sup> or MAT-171<sup>S</sup>

**Corequisites:**

This course covers site conditions and soil types and their physical properties. Topics include site preparation, access, mechanical analysis, classification of soils, and hydrostatics of groundwater. Upon completion, students should be able to adequately prepare a building site according to plans and specifications. (2014 FA)

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## STATICS/STRUCTURES

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**CST-221**      **Statics/Structures**      **4 (3-3)**      **Summer**

**Prerequisites:** ARC-112<sup>S</sup> or CST-112<sup>S</sup>; MAT-110<sup>S</sup> MAT-121<sup>S</sup> or MAT-171<sup>S</sup>

**Corequisites:**

This course covers the basic concepts of statics and strength of materials related to building structures. Topics include span charts, dimensional framing requirements, building forces on columns, beams, girders, and footings and connection points when timber, steel, and concrete members are used. Upon completion, students should be familiar with various load conditions present in structural members.(2025 FA)