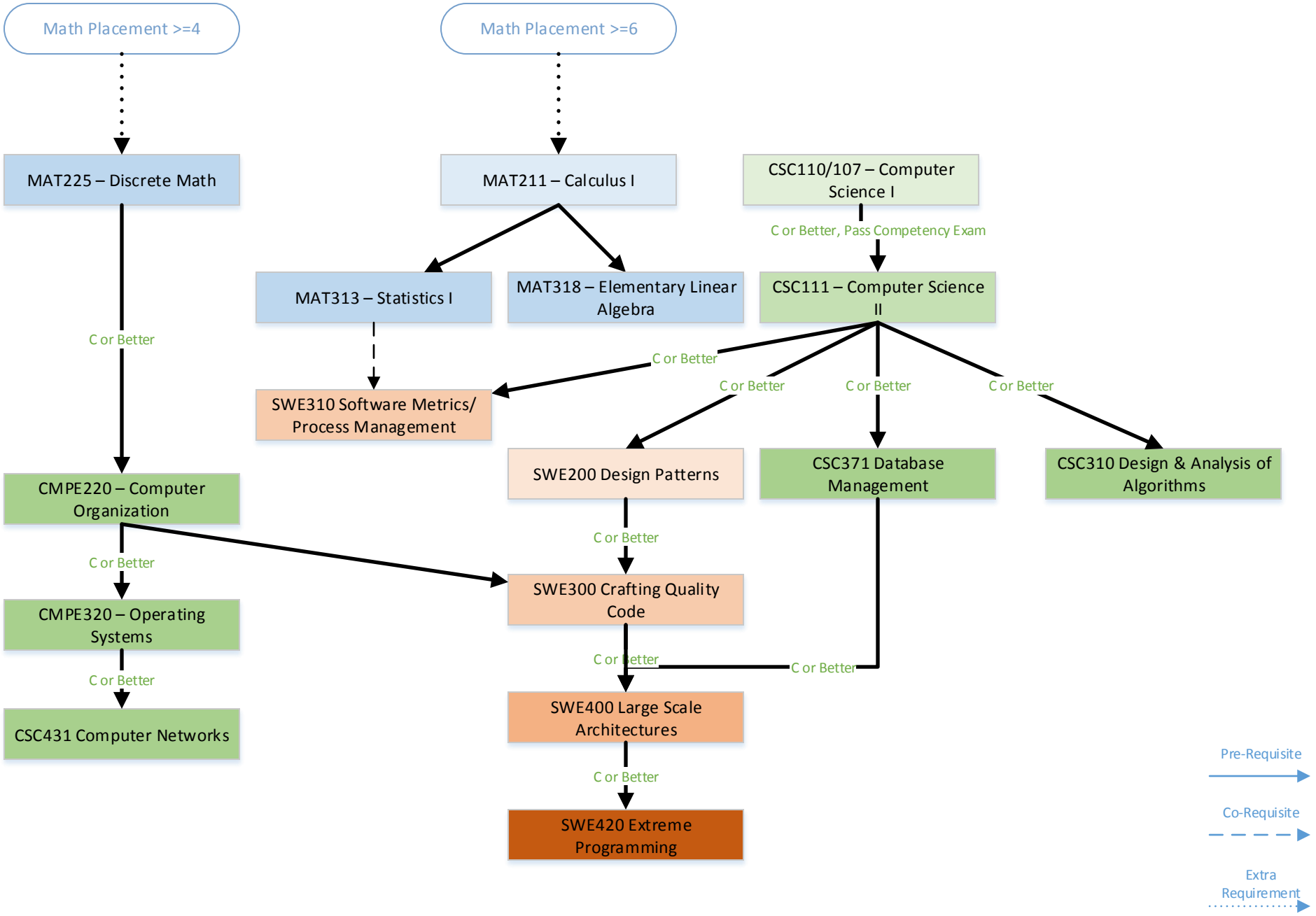Software Engineering Pre-Requisites