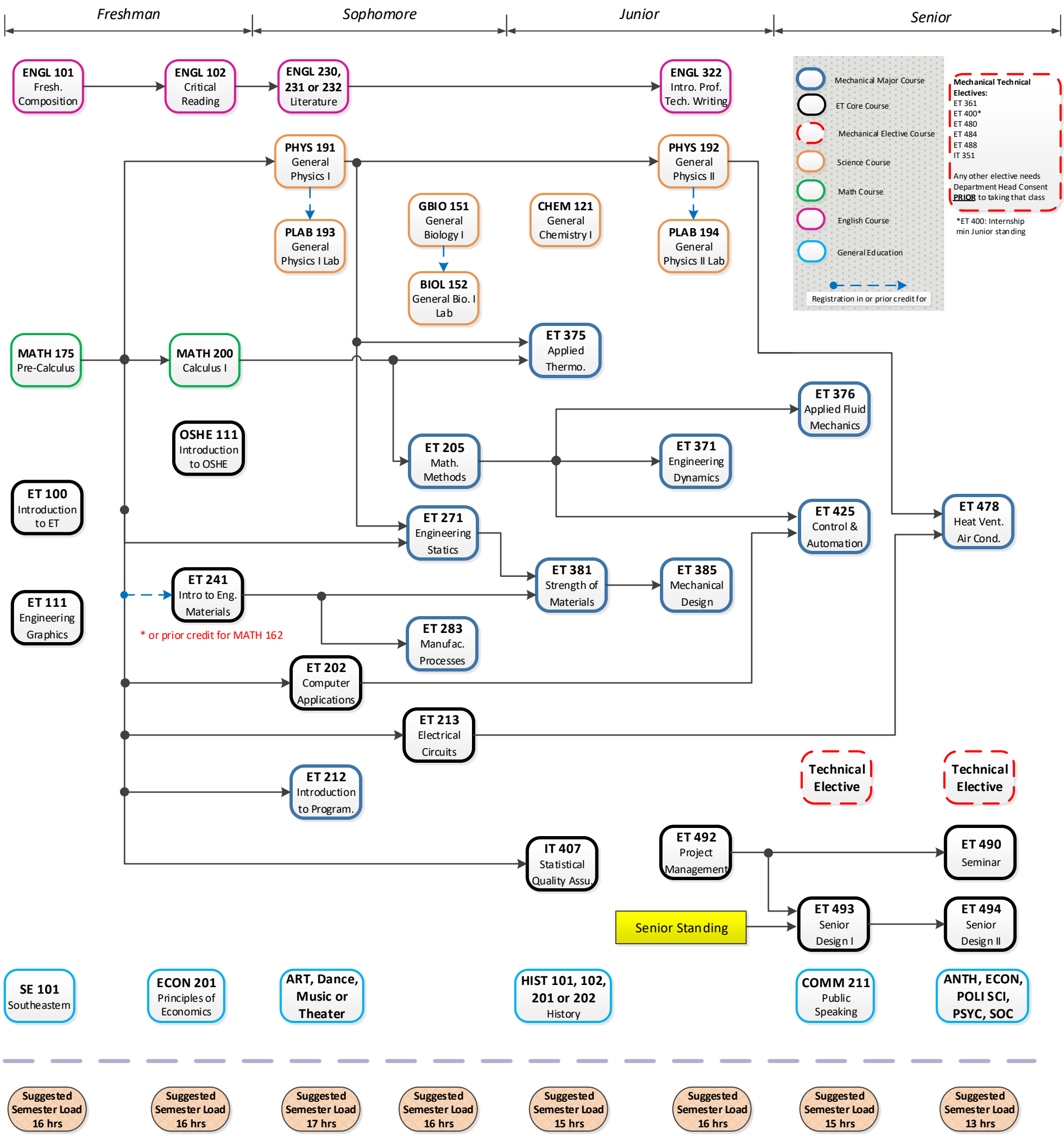Mechanical Engineering Technology