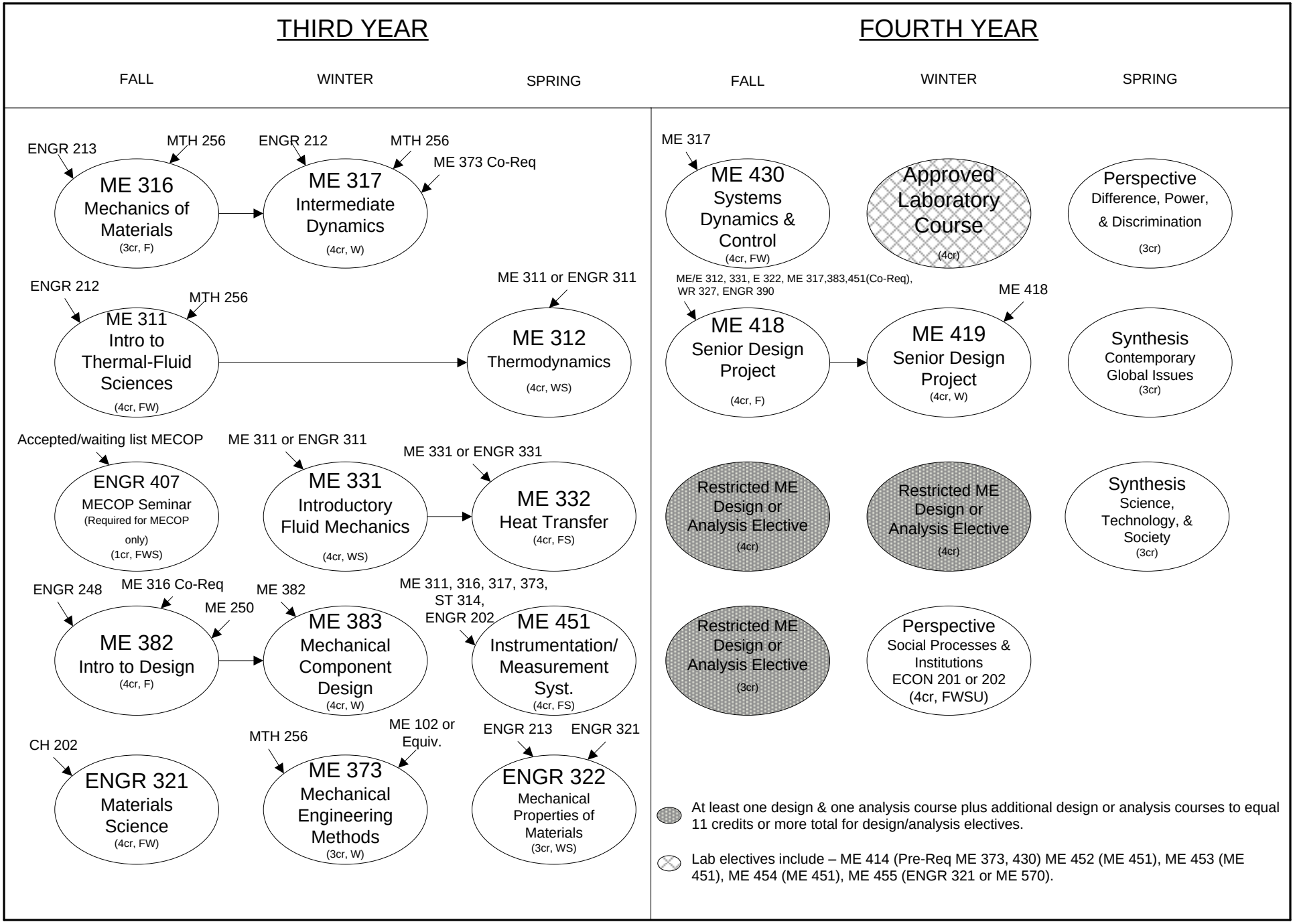Pro-Mechanical Engineering