Specializations in Computer Engineering

In addition to core and major coursework, many computer engineering programs offer students the option to complete specializations in a particular area of the field. Some of the typical specializations include multimedia, networking, embedded systems, architecture and design, communication systems, microelectronics, robotics, control systems, and electrical machines.[\n]

[extend]In addition to these specializations, most universities offering degrees in computer engineering also offer concentrations or advanced coursework in computer hardware or computer software development. Other institutions offer a computer systems specialization, which is a combination of hardware and software design. Coursework to complete this specialization includes classes such as logic design, software methodology, advanced programming, and a capstone design project. After completion of a computer engineering degree, graduates are able to build hardware, design software, or a combination of the two skill sets.[\n][/extend]