

# Computer Science B.S. Degree Caps

The B.S. degree requires a cap, which has two components:

- a design course – one of COMP 402, 410, or 460, and
- a coherent set of courses specializing in some area of computer science (but not necessarily in the Computer Science department), with a minimum total of 11 credit hours.

*Sample* curricula are listed below. With approval, students may design other areas of specialization. To get approval, a student must submit a short document explaining their proposed cap.

## **Architecture**

COMP 425 and Two of COMP 522, COMP 525, COMP 526

## **Artificial Intelligence**

COMP 440, COMP 540, and One of COMP 450, 502

## **Bioinformatics**

COMP 470, COMP 482, COMP 571, and One of COMP 440, COMP 450, BIOE 552

## **Computational Science**

COMP 360/560 and Three of CAAM 335, 336, 45x, 47x

## **Foundations**

COMP 409, COMP 411, COMP 481, and One of COMP 450, MATH 4xx, CAAM 47x

## **Human Computer Interaction**

COMP 440, PSYC 341/541, PSYC 370, PSYC 409

## **Networks**

COMP 429 and Two–Three of COMP 446, COMP 524, COMP 527, COMP 529, ELEC 534, ELEC 537

## **Parallel & Distributed Computing**

COMP 422, COMP 520, COMP 522

## **Programming Languages**

One of COMP 411, COMP 412 and Two of COMP 409, COMP 422, COMP 512

## **Robotics**

COMP 450 and Two of COMP 440, COMP 498, COMP 550, COMP 551

## **Software Systems**

COMP 430 and Two of COMP 410, COMP 411, COMP 415, COMP 425, COMP 460, COMP 520, COMP 521

Last modified: 2 Jan 2012.