COMPUTER SCIENCE PREREQUISITE FLOWCHART

Department of Mathematics and Computer Science, Duquesne University
Effective FALL 2017

COSC 100 Elements of Comp Sci (2 cr) Fall, Spring
COSC 101 Basic Programming (3 cr) Spring
COSC 135 Intro to Computer Sci (3 cr) Fall
COSC 130 Fund of Internet (3 cr) Fall, Spring
COSC 150 Computer Progmg: C++ (3 cr) Spring, Summer
COSC 160 Scientific Progmg: JAVA (3 cr) Fall, Spring, Summer
MATH 135 Discrete Math (3 cr) Fall, Spring
COSC 215 JAVA w/Data Structures (3 cr) Fall, Spring, Summer
COSC 220 Comp Org and Assembly (3 cr) Fall, Spring
COSC 250W Computers & Humanity (3 cr) Even Summer
COSC 300 Adv Data Structures (3 cr) Fall, Spring
COSC 305 Digital Logic (3 cr) Odd Summer
COSC 311 System Prog & Design (3 cr) Odd Fall
COSC 325W Operating Sys & Arch (3 cr) Spring
COSC 340 Problem Solving Seminar (1 cr) Fall
COSC 345 Theory of Prog Lang (3 cr) Odd Fall
COSC 345W Sys Anal & Sftwr Design (3 cr) Odd Spring
COSC 350W Numerical Analysis (3 cr) Spring
COSC 380W Computing Ethics (1 cr) Odd Summer
COSC 401 Database Management (3 cr) Even Fall
COSC 410 Artificial Intelligence (3 cr) Even Spring
COSC 425 Graphics (3 cr) Even Fall
COSC 430 Web-Based Design (3 cr) Even Spring
COSC 435 Theory of Computation (3 cr) Odd Fall
COSC 445W Sys Anal & Sftwr Design (3 cr) Odd Spring
COSC 480W Senior Project (1, 2, or 3 cr) Fall, Spring, Summer
COSC 480W Senior Project (1, 2, or 3 cr) Fall, Spring, Summer
MATH 115 Calculus I (4 cr) Fall, Spring, Summer
MATH 116 Calculus II (4 cr) Fall, Spring, Summer
MATH 135 Discrete Math (3 cr) Fall, Spring
MATH 140 Calculus III (3 cr) Fall, Spring, Summer
MATH 141 Advanced Calculus (3 cr) Fall, Spring, Summer
MATH 150 Linear Algebra (3 cr) Fall, Spring, Summer
MATH 163 Introduction to Advanced Mathematics (3 cr) Fall, Spring, Summer
MATH 170 Introduction to Abstract Mathematics (3 cr) Fall, Spring, Summer
MATH 180 Introduction to Abstract Mathematics II (3 cr) Fall, Spring, Summer
MATH 190 Introduction to Advanced Mathematics II (3 cr) Fall, Spring, Summer
MATH 200 Introduction to Advanced Mathematics III (3 cr) Fall, Spring, Summer
MATH 210 Introduction to Advanced Mathematics IV (3 cr) Fall, Spring, Summer
MATH 220 Introduction to Advanced Mathematics V (3 cr) Fall, Spring, Summer
MATH 230 Introduction to Advanced Mathematics VI (3 cr) Fall, Spring, Summer
MATH 240 Introduction to Advanced Mathematics VII (3 cr) Fall, Spring, Summer
MATH 250 Introduction to Advanced Mathematics VIII (3 cr) Fall, Spring, Summer
MATH 260 Introduction to Advanced Mathematics IX (3 cr) Fall, Spring, Summer
MATH 270 Introduction to Advanced Mathematics X (3 cr) Fall, Spring, Summer
MATH 280 Introduction to Advanced Mathematics XI (3 cr) Fall, Spring, Summer
MATH 290 Introduction to Advanced Mathematics XII (3 cr) Fall, Spring, Summer
MATH 300 Introduction to Advanced Mathematics XIII (3 cr) Fall, Spring, Summer
MATH 310 Introduction to Advanced Mathematics XIV (3 cr) Fall, Spring, Summer
MATH 320 Introduction to Advanced Mathematics XV (3 cr) Fall, Spring, Summer
MATH 330 Introduction to Advanced Mathematics XVI (3 cr) Fall, Spring, Summer
MATH 340 Introduction to Advanced Mathematics XVII (3 cr) Fall, Spring, Summer
MATH 350 Introduction to Advanced Mathematics XVIII (3 cr) Fall, Spring, Summer
MATH 360 Introduction to Advanced Mathematics XIX (3 cr) Fall, Spring, Summer
MATH 370 Introduction to Advanced Mathematics XX (3 cr) Fall, Spring, Summer
MATH 380 Introduction to Advanced Mathematics XXI (3 cr) Fall, Spring, Summer
MATH 390 Introduction to Advanced Mathematics XXII (3 cr) Fall, Spring, Summer
MATH 400 Introduction to Advanced Mathematics XXIII (3 cr) Fall, Spring, Summer
MATH 410 Introduction to Advanced Mathematics XXIV (3 cr) Fall, Spring, Summer
MATH 420 Introduction to Advanced Mathematics XXV (3 cr) Fall, Spring, Summer
MATH 430 Introduction to Advanced Mathematics XXVI (3 cr) Fall, Spring, Summer
MATH 440 Introduction to Advanced Mathematics XXVII (3 cr) Fall, Spring, Summer
MATH 450 Introduction to Advanced Mathematics XXVIII (3 cr) Fall, Spring, Summer
MATH 460 Introduction to Advanced Mathematics XXIX (3 cr) Fall, Spring, Summer
MATH 470 Introduction to Advanced Mathematics XXX (3 cr) Fall, Spring, Summer
MATH 480 Introduction to Advanced Mathematics XXXI (3 cr) Fall, Spring, Summer
MATH 490 Introduction to Advanced Mathematics XXXII (3 cr) Fall, Spring, Summer
MATH 500 Introduction to Advanced Mathematics XXXIII (3 cr) Fall, Spring, Summer
MATH 510 Introduction to Advanced Mathematics XXXIV (3 cr) Fall, Spring, Summer
MATH 520 Introduction to Advanced Mathematics XXXV (3 cr) Fall, Spring, Summer
MATH 530 Introduction to Advanced Mathematics XXXVI (3 cr) Fall, Spring, Summer
MATH 540 Introduction to Advanced Mathematics XXXVII (3 cr) Fall, Spring, Summer
MATH 550 Introduction to Advanced Mathematics XXXVIII (3 cr) Fall, Spring, Summer
MATH 560 Introduction to Advanced Mathematics XXXIX (3 cr) Fall, Spring, Summer
MATH 570 Introduction to Advanced Mathematics XL (3 cr) Fall, Spring, Summer
MATH 580 Introduction to Advanced Mathematics XLI (3 cr) Fall, Spring, Summer
MATH 590 Introduction to Advanced Mathematics XLII (3 cr) Fall, Spring, Summer
MATH 600 Introduction to Advanced Mathematics XLIII (3 cr) Fall, Spring, Summer
MATH 610 Introduction to Advanced Mathematics XLIV (3 cr) Fall, Spring, Summer
MATH 620 Introduction to Advanced Mathematics XLV (3 cr) Fall, Spring, Summer
MATH 630 Introduction to Advanced Mathematics XLVI (3 cr) Fall, Spring, Summer
MATH 640 Introduction to Advanced Mathematics XLVII (3 cr) Fall, Spring, Summer
MATH 650 Introduction to Advanced Mathematics XLVIII (3 cr) Fall, Spring, Summer
MATH 660 Introduction to Advanced Mathematics XLIX (3 cr) Fall, Spring, Summer
MATH 670 Introduction to Advanced Mathematics L (3 cr) Fall, Spring, Summer
MATH 680 Introduction to Advanced Mathematics LI (3 cr) Fall, Spring, Summer
MATH 690 Introduction to Advanced Mathematics LII (3 cr) Fall, Spring, Summer
MATH 700 Introduction to Advanced Mathematics LIII (3 cr) Fall, Spring, Summer
MATH 710 Introduction to Advanced Mathematics LIV (3 cr) Fall, Spring, Summer
MATH 720 Introduction to Advanced Mathematics LV (3 cr) Fall, Spring, Summer
MATH 730 Introduction to Advanced Mathematics LX (3 cr) Fall, Spring, Summer
MATH 740 Introduction to Advanced Mathematics LXI (3 cr) Fall, Spring, Summer
MATH 750 Introduction to Advanced Mathematics LXII (3 cr) Fall, Spring, Summer
MATH 760 Introduction to Advanced Mathematics LXIII (3 cr) Fall, Spring, Summer
MATH 770 Introduction to Advanced Mathematics LXIV (3 cr) Fall, Spring, Summer
MATH 780 Introduction to Advanced Mathematics LXV (3 cr) Fall, Spring, Summer
MATH 790 Introduction to Advanced Mathematics LXVI (3 cr) Fall, Spring, Summer
MATH 800 Introduction to Advanced Mathematics LXVII (3 cr) Fall, Spring, Summer
MATH 810 Introduction to Advanced Mathematics LXVIII (3 cr) Fall, Spring, Summer
MATH 820 Introduction to Advanced Mathematics LXIX (3 cr) Fall, Spring, Summer
MATH 830 Introduction to Advanced Mathematics LXX (3 cr) Fall, Spring, Summer
MATH 840 Introduction to Advanced Mathematics LXXI (3 cr) Fall, Spring, Summer
MATH 850 Introduction to Advanced Mathematics LXXII (3 cr) Fall, Spring, Summer
MATH 860 Introduction to Advanced Mathematics LXXIII (3 cr) Fall, Spring, Summer
MATH 870 Introduction to Advanced Mathematics LXXIV (3 cr) Fall, Spring, Summer
MATH 880 Introduction to Advanced Mathematics LXXV (3 cr) Fall, Spring, Summer
MATH 890 Introduction to Advanced Mathematics LXXVI (3 cr) Fall, Spring, Summer
MATH 900 Introduction to Advanced Mathematics LXXVII (3 cr) Fall, Spring, Summer
MATH 910 Introduction to Advanced Mathematics LXXVIII (3 cr) Fall, Spring, Summer
MATH 920 Introduction to Advanced Mathematics LXXIX (3 cr) Fall, Spring, Summer
MATH 930 Introduction to Advanced Mathematics LXXX (3 cr) Fall, Spring, Summer
MATH 940 Introduction to Advanced Mathematics LXXXI (3 cr) Fall, Spring, Summer
MATH 950 Introduction to Advanced Mathematics LXXXII (3 cr) Fall, Spring, Summer
MATH 960 Introduction to Advanced Mathematics LXXXIII (3 cr) Fall, Spring, Summer
MATH 970 Introduction to Advanced Mathematics LXXXIV (3 cr) Fall, Spring, Summer
MATH 980 Introduction to Advanced Mathematics LXXXV (3 cr) Fall, Spring, Summer
MATH 990 Introduction to Advanced Mathematics LXXXVI (3 cr) Fall, Spring, Summer

LEGEND

- Required course for all CS majors
- Course not counted toward CS major
- Prerequisite
- Concurrency: can be taken with, or after
- XG Crosslisted Graduate