

MAR 4712	Healthcare Marketing
MAR 4715	Entertainment Marketing
*MAR 4803	Marketing Management
*MAR 4804	Marketing Strategy
MAR 4841	Services Marketing
MAR 4XXX	Contemporary Marketing Topics in Florida

\*Requires prerequisites in addition to MAR 3023

**Restricted Non-Marketing Elective (0-3 hrs)**

Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered—approval by petition to the Department.

ADV 3008, ANT 3640, COM 3011C, COM 3311, COM 3120, COM 3110, ENC 3211, EXP 3404, HSA 3111, PHI 3803, PPE 3003, PSY 3213C, RTV 3007, SOP 3004, SPC 3301, SPC 4331, SPC 4426, STA 4102, SYA 4300C, MAN 4720.

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

**MASS COMMUNICATION: Minor**

**College of Sciences  
Nicholson School of Communication  
COMM 238, 407-823-2681**

<http://communication.cos.ucf.edu>

**E-mail: communication@ucf.edu**

Contact: R. Morales, 407-823-3978

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

**Credit Hour Requirements 18 hrs**

**Restricted Electives (18 hrs)**

**Select from the following:**

MMC 2004	Mass Media
ADV 3008	Principles of Advertising
COM 3330	Computer Mediated Communication
FIL 2030	History of Motion Pictures
FIL 3006	Art of the Cinema
FIL 3041	History of Animated Films I
JOU 3004	History of American Journalism
MMC 3420	Mass Media Research Methods
MMC 3200	Mass Communication Law
MMC 4300	International Media
PUR 4000	Public Relations
RTV 3007	Dev & Struct of Elect Media & New Tech
RTV 3200	Prod Fund & Aesth of Elect Media
RTV 4403	Electronic Media, Technology and Society

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

**MATHEMATICS: Minor**

**College of Sciences  
Department of Mathematics, MAP 207**

<http://math.ucf.edu>

**E-mail: math@mail.ucf.edu**

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

**Credit Hour Requirements 21 hrs**  
**Required Courses (15 hrs)**

MAC 2311	Calculus with Analytic Geo I	4 hrs
MAC 2312	Calculus with Analytic Geo II	4 hrs
MAC 2313	Calculus with Analytic Geo III	4 hrs
MAP 2302	Differential Equations	3 hrs

(MAC 2311 and MAC 2312 may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives' hours accordingly to earn the hours required in the minor.)

**Restricted Electives (6 hrs)**

The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

MAA XXXX	(any 3000, 4000, or 5000 level course)
MAD XXXX	(any 3000, 4000, or 5000 level course)
MAP XXXX	(any 3000, 4000, or 5000 level course, except MAP 3401)
MAS XXXX	(any 3000, 4000, or 5000 level course)
MTG XXXX	(any 3000, 4000, or 5000 level course)

any mathematics Honors courses that are approved for this purpose by the Department Standards Committee.

(Either MAS 3105 or MAS 3106 may be used but not both. Courses may be selected from MAA 4226 and MAA 4227, or MAA 5210 but not both.)

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Not open to Math or Math Education majors.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

**MATHEMATICS EDUCATION: Minor**

**(Open to Non-Mathematics Education Majors)**

**College of Education**

**Department of Teaching and Learning Principles  
ED 209**

<http://education.ucf.edu/mathed/>

**Program Coordinator:** Janet Andreasen, ED 123Q, 407-823-5430;  
**E-mail:** jandreas@mail.ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

**Credit Hour Requirements 19 hrs**

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students In Schools	3 hrs
RED 4043	Content Reading Kindergarten thru Grade 12	3 hrs
MAE 4360	Mathematics Instructional Analysis	4 hrs
MAE 4634	Programs in Teaching Mathematics	3 hrs

**Admission Requirements**

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

**Other Requirements**

- Students should see an advisor prior to registering for classes
- Students must complete 18 semester hours of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF