

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>	UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	<b>Department</b> Computer and Electrical Eng and Comp. Sci. <b>College</b> Engineering and Computer Science	
<b>Program Name</b> Minor in Business	<input type="checkbox"/> <b>New Program*</b> <input checked="" type="checkbox"/> <b>Change Program*</b>	<b>Effective Date</b> (TERM & YEAR) Fall 2021
<p><b>Please explain the requested change(s) and offer rationale below or on an attachment.</b></p> <p>Revision of the course options for the course #4.</p>		
<p><small>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</small></p>		
<b>Faculty Contact/Email/Phone</b> Hanqi Zhuang, zhuang@fau.edu, 561.297.3413	<b>Consult and list departments that may be affected by the change(s) and attach documentation</b> College of Business, Management Programs Department.	
<b>Approved by</b> Department Chair <u>Hanqi Zhuang</u> College Curriculum Chair <u>Francisco Presuel-Moreno</u> College Dean <u>M. Cardel</u> UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	Digitally signed by Hanqi Zhuang Date: 2021.03.08 20:23:20 -05'00' Digitally signed by Francisco Presuel-Moreno DN: cn=Francisco Presuel-Moreno, o=Florida Atlantic University, ou=Ocean and Mechanical Engineering, email=fpresuel@fau.edu, c=US Date: 2021.03.10 17:24:45 -05'00' Digitally signed by Mhaela Cardel DN: cn=Mhaela Cardel, o=Florida Atlantic University, ou, email=mcardel@fau.edu, c=US Date: 2021.03.11 08:52:04 -05'00'	<b>Date</b> _____ 03/10/2021 _____ 3/11/2021 _____ _____ _____ _____

Email this form and attachments to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.

## Business Minor

A minor in Business is available to students pursuing a non-thesis master's degree who wish to combine technical coursework in engineering or computer science with a sequence of courses designed to provide a broad background in modern business concepts. Thesis students may participate with approval of their major department.

The Business minor is available to students admitted to master's studies in any program in the College of Engineering and Computer Science. It is not available to students with non-degree-seeking status. Requirements for the minor include completion of five graduate-level business courses (3 credits each) from the list below (course descriptions may be found in the [College of Business Course Descriptions section of this catalog](#)):

1. ACG 6027; Financial Accounting Concepts;
2. FIN 6406; Financial Management;
3. ISM 6026; Management of Information Systems and Technology, or QMB 6603; Data Analysis for Managers;
4. Select one of the following courses: MAN 6937; Global Environment of Management, ~~or MAN 6245; Organizational Behavior,~~ ENT 6196 Biotechnology Business Development; ENT 6016 Venture Creation, or MAN 6296 Leadership and Organizations;
5. MAR 6055; Marketing Functions and Processes.

Some course substitution may be possible for students with prior academic background in one or more of these areas. Additional requirements for master's degrees with a minor in Business are given in the individual program descriptions that follow.

The minor in Business is awarded upon graduation as an integral part of a master's degree program in Engineering or Computer Science; it is not awarded independent of these degrees. Courses taken as part of the Business minor apply toward the prerequisites for many M.B.A. programs but generally cannot be used to satisfy M.B.A. degree requirements.

**From:** Mihaela Cardei <mcardei@fau.edu>  
**Sent:** Thursday, March 11, 2021 7:42 AM  
**To:** Roland Kidwell <kidwellr@fau.edu>  
**Cc:** Paige Netting <rnetting@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>; Ken Johnson <kjohns91@fau.edu>; Anita Pennathur <PENNATHU@fau.edu>  
**Subject:** Re: Please help: Minor in Business, adding ENT 6196

Thank you, we will do that. The revised text is:

4. Select one of the following courses: MAN 6937 Global Environment of Management, ENT 6196 Biotechnology Business Development, ENT 6016 Venture Creation, or MAN 6296 Leadership and Organizations.

Best regards,  
Mihaela

---

**From:** Roland Kidwell <kidwellr@fau.edu>  
**Sent:** Thursday, March 11, 2021 6:37 AM  
**To:** Mihaela Cardei <mcardei@fau.edu>  
**Cc:** Paige Netting <rnetting@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>; Ken Johnson <kjohns91@fau.edu>; Anita Pennathur <PENNATHU@fau.edu>  
**Subject:** Re: Please help: Minor in Business, adding ENT 6196

Thank you. One last suggestion: You may want to drop MAN 6245 Organizational Behavior from the list because it is never offered. We will probably remove it from the books at some point.

---

**From:** Mihaela Cardei <mcardei@fau.edu>  
**Sent:** Wednesday, March 10, 2021 12:08 PM  
**To:** Roland Kidwell <kidwellr@fau.edu>  
**Cc:** Paige Netting <rnetting@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>; Ken Johnson <kjohns91@fau.edu>; Anita Pennathur <PENNATHU@fau.edu>  
**Subject:** Re: Please help: Minor in Business, adding ENT 6196

Thank you, Dr. Kidwell, for the clarifications on the prerequisites. MAN 6296 has been added to the list of courses (attached and below):

4. Select one of the following courses: MAN 6937, Global Environment of Management, MAN 6245, Organizational Behavior, ENT 6196, Biotechnology Business Development, ENT 6016, Venture Creation, or MAN 6296, Leadership and Organizations.

Best regards,  
Mihaela

-

**From:** Roland Kidwell <kidwellr@fau.edu>  
**Sent:** Wednesday, March 10, 2021 11:01 AM  
**To:** Mihaela Cardei <mcardei@fau.edu>  
**Cc:** Paige Netting <rnetting@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>; Ken Johnson <kjohns91@fau.edu>; Anita Pennathur <PENNATHU@fau.edu>  
**Subject:** Re: Please help: Minor in Business, adding ENT 6196

Good morning,

This week, we submitted a catalog change to the COB graduate council based on department faculty recommendation that the prerequisite for MAN 6296 be 'graduate standing'. This change should be effective in Fall 2021 so your master's students could take this course if you wanted to add it as an option for the minor in business.

Best regards

Roland

-

**From:** Mihaela Cardei <mcardei@fau.edu>  
**Sent:** Wednesday, March 10, 2021 10:43 AM  
**To:** Roland Kidwell <kidwellr@fau.edu>  
**Cc:** Paige Netting <rnetting@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>  
**Subject:** Re: Please help: Minor in Business, adding ENT 6196

Hello Dr. Kidwell,

Thank you for your suggestion to add ENT 6016 Venture Creation as an option in addition to ENT 6196 Biotechnology Business Development. MAN 6296 will not be added at this time since our engineering students do not meet the prerequisites.

The revision of the Minor in Business will look as follows (see attachment and below):

4. Select one of the following courses: MAN 6937, Global Environment of Management, MAN 6245, Organizational Behavior, ENT 6196, Biotechnology Business Development, or ENT 6016, Venture Creation.

We plan to submit this catalog change to UGPC for the UGPC meeting on March 24th.

If you have any comments or objections, please let us know.

Best regards,  
Mihaela

Mihaela Cardei, Ph.D.  
Professor & Associate Dean for Graduate Studies

College of Engineering and Computer Science  
Florida Atlantic University

---

**From:** Hanqi Zhuang <zhuang@fau.edu>  
**Sent:** Wednesday, February 17, 2021 12:07 PM  
**To:** Roland Kidwell <kidwellr@fau.edu>  
**Cc:** Mihaela Cardei <mcardei@fau.edu>; Paige Netting <rnetting@fau.edu>  
**Subject:** Re: Please help: Minor in Business, adding ENT 6196

Hi Roland,

The Minor in Business was discussed by the Graduate Programs Committee (GPC) in our College. The GPC suggested to keep the current courses and ENT 6196 as options, even though they may not be offered frequently. They would also like to follow your recommendation and add ENT 6016 and MAN 6296 as options. The only issue is that our engineering students do not meet the prerequisites for MAN 6296.

**Leadership and Organizations (MAN 6296) 3 credits**

*Prerequisite: Admission to the M.B.A., M.A.C. or M.S.N.*

The change in the Minor in Business would look as follows:

4. Select one of the following courses: MAN 6937, Global Environment of Management, MAN 6245, Organizational Behavior, ENT 6196, Biotechnology Business Development, ENT 6016, Venture Creation, or MAN 6296, Leadership and Organizations.

Please let us know if you support these revisions and let us know whether we should keep MAN 6296 in the list or not.

Thanks,  
Hanqi

---

**From:** Roland Kidwell <kidwellr@fau.edu>  
**Sent:** Tuesday, February 9, 2021 9:10 AM  
**To:** Hanqi Zhuang <zhuang@fau.edu>  
**Cc:** Mihaela Cardei <mcardei@fau.edu>; Paige Netting <rnetting@fau.edu>  
**Subject:** RE: Please help: Minor in Business, adding ENT 6196

Good morning,

I would support adding this course to your minor; the problem is that it is a low enrollment course. We have a hard time getting 12 students enrolled thus we not be offering it very much in the future. It is also a course for the bio grad program so if we knew we would have sufficient enrollment from both programs we could offer it once a year. Please let me know how many students you anticipate enrolling and we will see if we can put it on the schedule for Fall 2021. However ENT 6016, the introductory entrepreneurship course, is offered routinely so you may want to consider that one.

We also don't routinely offer MAN 6245; I suggest substituting MAN 6296 Leadership and Organizations in your program.

Roland

**ROLAND E. KIDWELL, PHD**

**DeSantis Professor of Management and Entrepreneurship**

**Chair, Department of Management Programs**

**Director, Adams Center for Entrepreneurship**

**Certificates in Family Business Advising, Family Firm Institute**

**Co-Host: <https://shrimptankpodcast.com/boca-raton/>**

**TOP 50 Undergraduate Entrepreneurship Program – The Princeton Review**

**TOP 25 Undergraduate International Business Program – U.S. News and World Report**

College of Business, Florida Atlantic University

777 Glades Road, DeSantis Pavilion 201

Boca Raton, FL 33431

Ph: 561-297-3654; email: [kidwellr@fau.edu](mailto:kidwellr@fau.edu)

**From:** Hanqi Zhuang

**Sent:** Tuesday, February 9, 2021 8:10 AM

**To:** Roland Kidwell <[kidwellr@fau.edu](mailto:kidwellr@fau.edu)>

**Cc:** Mihaela Cardei <[mcardei@fau.edu](mailto:mcardei@fau.edu)>

**Subject:** Please help: Minor in Business, adding ENT 6196

Hello Dr. Kidwell,

College of Engineering and Computer Science offers a Minor in Business to the engineering/CS master's students, where students are taking 5 courses from the College of Business, please see the attachment.

The fourth course in the list of courses is a course from the Department of Management Programs. We would like to add " ENT 6196, Biotechnology Business Development" as an option, since this course is very relevant for our students majoring in biomedical engineering. The proposed change is (see attached):

"4. MAN 6937, Global Environment of Management, or MAN 6245, Organizational Behavior, or ENT 6196, Biotechnology Business Development;"

Please let me know whether you support the proposed addition of ENT 6196 to the minor.

Thank you,

Hanqi Zhuang

---

Hanqi Zhuang, Ph.D.

Chair and Professor

Department of Computer & Electrical Engineering and Computer Science

Florida Atlantic University