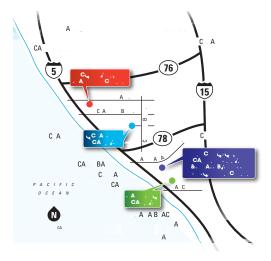
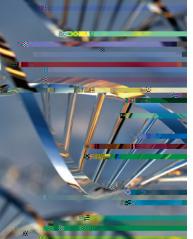
# AB B EC G / G / B A FAC A G

B c. 1, 1, 1, 1, brad dfi..., a . . r
. dr. a. d. fif a. d. . . a . . . r b m.
acr. a . d. ar fara, . o. d. m de. ,
a re. . r a. d. d. ra a rea . . . T
. . . . . c m . frm frde. a. d. r. c .
W . br. . . a . r de r. r. e mar ,
d. r m . , a. drde . . . T r . are a. d
d. r m . a. ca d. r r ar . . d . fr
r . . . ar . a . f . . d. r . . .
b ma. fae. r . d. r . (a. ca a. dbae r r)
fe. . . ar . a . f rde . .

### E A BAC E AR DEG RE B A FAC R G











#### AB AC EGE

MraC , a C  $^{\prime\prime\prime}$  , ..., a, accr d d , b,c c mm , ... c  $^{\prime\prime}$  , ..., N r Sa, D , C , ... c a, a c mm , ... , f Oc a , ..d , Carl, bad, E, c, ... a, , Card ff, Ra, c Sa, a F , S \( \) a a B ac , D \( \) Mar a, d Carm \( \) Va\( \) .

#### RÇ AÇ EGE G G

R a. . ab . . . . \*

H. . aft dfac m mb r.

Sman o.a., a.d r., a.a ., . fr m., . r. c r.

 $B \ \alpha \ \ _if \ i \ cam \ \ldots \ \ . \qquad a. \ dr \ c \ . \ i \ r \ m \ d \ i \ db \ i d \ldots \ .$ 

Sa - f- -ar c . 1 .

Fr . . . . . m . . . b c .

 $D_{i,-r}, \quad , \quad d \quad , \quad f_i \quad a_{i+1} \quad a_{i+1} \quad , \quad a_{i} \quad d \quad ac_{i+r+r} \quad ,$ 

ENGL 50 | \_\_\_\_\_ C, \_\_\_ C, \_\_\_ C, \_\_\_ C, \_\_\_ ...

MATH 641 \_\_ I \_\_ A,...

Talaharan menadahan 1997 / Salaharan

Courses listed are subject to change. Please check requirements in the current college catalog at **ca alog.miracos a.ed /disciplines/bio echnolog** or speak with a MiraCosta College general counselor.

#### **BIOPROCESS TECHNOLOG**

В

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 $C_{\bullet}$   $B_{\bullet}$   $A_{\bullet}$   $A_{\bullet}$   $A_{\bullet}$   $A_{\bullet}$ 

P. J. J. B. J. I

MATH 641 \_\_1 \_ \_ A,\_\_\_

(BIO 105)

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Courses listed are subject to change. Please check requirements in the current college catalog at ca alog.miracos a.ed /disciplines/bio echnolog or speak with a MiraCosta College general counselor.

### RESEARCH & DEVELOPMENT

& D

See list of certificate coursework on reverse side.



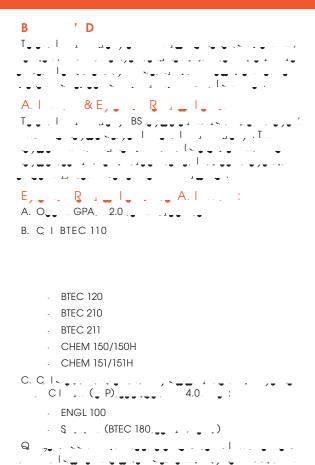
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BIO 105
                ... B. .., :B. ..
BIO 204
                      B. . , : B.
           B. . , , Q _ . . , . M _
             ... B. .. B.
_ BIO 204H
                          . M. _
                                            4
BTEC 110
                                            4
BTEC 120
              3
BTEC 180
           B. . . . .
                                            4
_ MATH 150 C . . . .
                   5
_ MATH 150H
          5
                        Б.
BTEC 210
           D A
                                            1
           Q __ .C_ | ._ | I: E_ S _
CHEM 150
                                   Μ
                                            5
_ CHEM 150H Q __ C_ I _ I: F_ S _
           (H. ....)
CHEM 151
           Q __ C_ I __ II: F_ S _
                                            5
__ CHEM 151H Q ___ C _ I __ II: F _ S _
           (H. ._.)
                    6., 1.,. 5.,.
ENGL 100
         C. I. . . . .
```

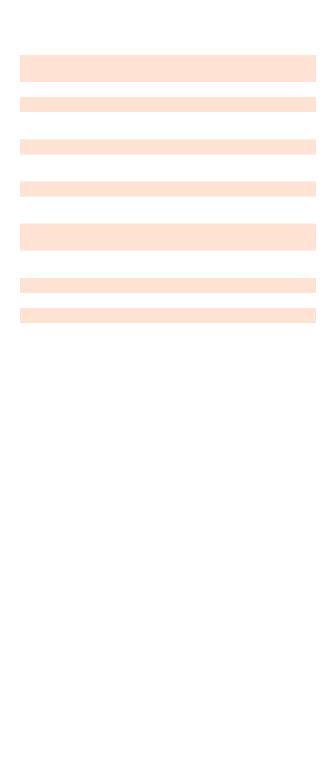
### BIOMANUFACTURING

В

I\_ . B. I . R **BIO 105** B. ., : B. 👅 3 BTEC 110 В. Ј В. 👅 4 BTEC 120 В. . . . . ... P 3 BTEC 180 . . . .) В, а. . а. 4 1 BTEC 210 D. A . . . Б., . W . , . . B , . . . . E . . . I . BTEC 211 Ι BTEC 221

## BACHELOR'S DEGREE IN BIOMANUFACTURING







4-

Topic	Year 1		Year 2		Year 3		Year 4	
English/ Communication	Area 1A: ENGL 100 (4U)	Area 1B (3-4U)		Area 1C (3U)				
Math	MATH 64 (4U)*	BTEC 180 (4U)						
Sciences (Prep for major and GE-Area 5)	BIO 105 (3U) CHEM 140 (4U)		CHEM 150 (5U)	CHEM 151 (5U)				
Major Courses		BTEC 110 (4U)	BTEC 120 (3U) BTEC 210 (1U)	BTEC 211 (1U) BTEC 221# (1.5U) BTEC 222# (1.5U) 200-level BTEC elective courses (2U)	BTEC 300 (3U) BTEC 360 (3U)			
	)	One course (3U)	One course (3U)					
Social & Behavioral Sciences GE-Area 4		One course (3U)	One course (3U)	One course (3U)				
Upper-Division GE					BIO 340 (3U)	BUS 302 (3U)	PHIL 302# (3U)	
Electives								