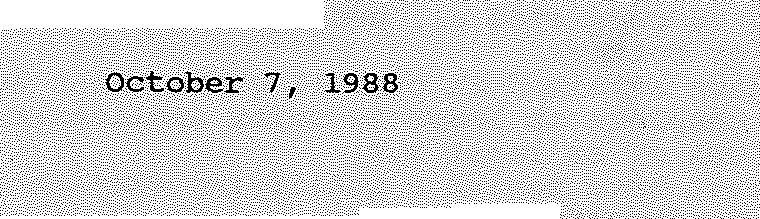
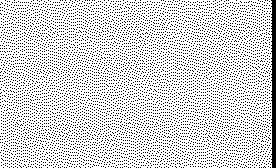
**C JiFORN:rt... S!l:'1;.!1:'F.:. '.IVERSJ'i'l'X,**

**LONGl. BJ:AC.a'.** .

**Ol-Ji l l:lTA'l'**



**8:8 *:,.* •P 6**



SUBJECT: '.)/ER; OF SC.IEN¢E·.:IN. C()MPU'J:ER•SCI NJ

t } P g-r;!, :r:coinni;J : · ii 1: k ;d ,ie!· rla:t;¢ f.i± s etin Qt}:\pri.J 2;l;..•1987;\ r-e<::eiyed ttie·.concµr-:rence of . ttie :Presia.e11t ()11

}:\pr-il P, :,1.98,7.,·· .and :w,;1s ·approved by ttie ChanceLl.tir ..oti•.SeP1:Ell!ipe.r

12,.. :,1.98,8.

**T•;tie J?J:'C)9"J:" S.** . .·.·.. . ..... . . . .·... . ...•·.·. ·..··.··... . >

. · e.1-l'aste.r. of. eci ence.:.i 11• CP}IIP;l:ter sc,tence• i.s o;tteJ;edb.Y: tne Depa.a::t111ent•.•pf··•.· Qmpllt.er<••Sci.e11ce.•.·.m(l. :El:ngi;l'le.e1:ing1<.•·.S<::n.9:i:ll·..•.of··

. Ec11gi:11eer,tng•• 'fo/Q·opt;ion'.'3 a::re: o{fe.red; the 1'1:,S.···· j\_c11 <;1Ql!lPllter:

S<::i..en.qei *--.i* 9ptton•.····i.,11•·.C9mputer·....sctEmpe.·.·..an;d....E11gi.peeril'lg1c:. a:.11;<i tlle

,e.·...·.·.··..

.Ma:t:ti·..•E·.·.il·,l·•·.l.·n·.t,·.·a.•.··:o•.ct.•i.•m..;.•·:.....<.•...;.P$.·.·..t...·...re...· .•....cs.....1..·..enc·····e·······.··.·."."'.·..·..···•·•...O.·p.·.·;t······•··i··,···n•·.·.o•·.·· ...·.•..·i.·.•..·...·•.·n·>·········,·'C···.••.·.po.·.·..r.·.·. ll.·.·.····t.·<.·e···..·r•.••.·•.·•.··. cS.·.•·. ..i.':·<e···•.·.'·c·e.....• ...,•.·..·.<.··a·····.·.·.:·....·nC·....d...

'l'l:te Q!;}tio;n....in Col!lputer:·S<:iienc a a.>Elng nee'r'j\_l}'g.•Qf.fe:ra;:a!:iJ{.a:11<::ed

stu4.y tI1.: the theq:i::y, a,J1a:;)cy'.'3iSr 4e,gi.gn, . .mp.: .a:Piilica,tioc11s>.pf bc:ith.

.computer.···nardwp.re .•..<l.l'l(I···softWiicre. .· 'l'p.e .•9ptiq;:t\ i:zy GQl!lJ?ll;tet .·.S!ti!l!nCe ai:i\:i 1,{a:tn.enrai:ics qffe:ts a:dva:i:ii::;ed worl{ :i11 lilodeling i,g,:ftware ·

s :ypt ems1i>t ; ·..J!Jati;temat1.cs.pf.·.r;,peratii:ig syste$i;;,.•.••a:.nd.. aI1a:c!,yi;;is.o:E algQrit:tilna , ·

**Pri,u:.egµisiti:ls**

Engiri.eerfl}'g opti<>'11

**1 ..**

**A** . bachelor'a deg:ree in oo1\ip'!l.1;er 5¢ienc.e, en<il11. e:i:.-ip!Jt >

spien.ce; *p;r:* Ptlrer appr-.tipriat:e a.is.ptpli,ne., Wit:1:i.·.<!.· lllfllil\11llll

* g,i:-a&e p9ii:it. ayera:ge ($PA) o.f 2,7 j.n:t:l'le last··60: units

atte}llpted. . .··..·.. . .. . .. . •. . .· .· ·.. .· ···...•.•.. ·· .·..·•·· ......

1. C!reclit i11.ttie follpwing cgursesortl'leir eqi,i.ivalents: CS:El

3 :,I., 34bt 3.46, J4P, 442, 44.4; EE 31!'1; M1'. lf 2::q, *../*

1. Stu\:ients must cor1sµltwith. the pr-og;i:-a11tgraduate a:dyisorprior to ei:irollii:ig iP/3.PY course for the progra:m.

M.atliematics option

1. A bachelor-•s degree from ai:i accredited co.11.ege or- university,

with a minimum grade point average (GPA) of 2.7 in the last

60 units attempted.

1. Credit in the following courses or their equivalents: CSE

321, 325, 326, 333, 424, 440, 444; MATH 323.

**Advancement to candidacy**

students applying for advancement to candidacy must:

1. have completed all undergraduate deficiences with grades of C or better;
2. have attained an overall grade point average (GPA) of 3.0.
3. complete at least 12 units applicable to the degree with a GPA of at least 3.0;
4. must have passed a qualifying examination on computer

fundamentals;

1. have passed the CSULB Writing Proficiency Examination; and
2. have their program of studies approved by the CSE department graduate advisor.

**Requirements for the Degree**

-- Engineering Option (code 6-4010)

Students must complete a minimum of 30 graduate and approved upper-division course units including the following:

* 1. at least 18 units in the CSE or EE departments;
  2. at least 18 units at the graduate level of instruction;
  3. EE 540, and at least 6 units from the following: CSE 544, 550, 552, 572; EE 542, 545;

d. CSE 526, 528 or 529, and 543.

Mathematics Option (code 6-4011)

Students must complete a minimum of 30 graduate and approved upper-division course units including the following:

1. at least 18 units of computer science coursework;
2. at least 18 units at the graduate level of instruction; c. CSE 526, 528, 529, and 543.

d. CSE 550 or EE 540.

All students must complete either:

1. EE 640 and a comprehensive examination; or
2. a thesis with oral-defense which requires completion of CSE

697 (2 units) and 698 (4 units).

EFFECTIVE: FALL 1988

:jrb